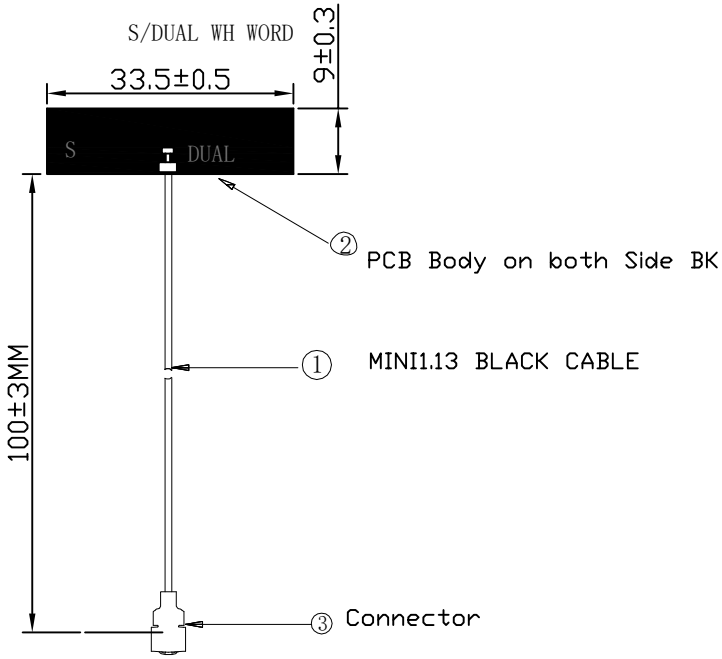
REV	DATE	DESCRIPTION
A	10-30-2023	New Issue



SPECIFICATION
1.Frequency Range: 2.4G–2.5Ghz/5.15Ghz–5.85Ghz
2.Impendance: 50Ω
3.Gain: 2.4~2.5Ghz/3.0~4.5dB
5.15~5.85Ghz/4.5~5.5dB

Packing
200pcs/Bag

NO	PARTNAME	DISCRIPTION	Q'TY	USAGE
③	CONNECTOR	MHF-13	1PCS	IPX
②	BODY	PCB DUAL FR4 T1.0MM	1PCS	XZS
①	CABLE	MINI.13 COAXIAL CABLE BK	1PCS	YD

XX.	±5
X.	±3.0
.X	±1.0
.XX	±0.5
.XXX	±0.1

APPROVED Roy
CHECKED Hellen
DRAWING Tom

CUSTOMER: HANSONG TECH
P/NO: :
PARTNAME: PCB ANTENNA
DRW NO : RC12WFI0434A1

REV	UNIT	FILE :
A	M/M	SHEET:

苏州点正电子科技有限公司
Suzhou Point Positive Electronic Technology Co.,ltd

Antenna Measurement Report

- Model: PCB Antenna
- Manufacture：Suzhou point positive electronic technology co.,ltd
- Series Number：QTKOTAPR00321
- Antenna Type:
  WLAN 802.11 a/b/g: Antenna
- Data：2023/10/08

OUTLINE SUMMARY

- Test Environment and Equipment
- Antenna Photo
- Test Data of Antenna:
  Test Result : Efficiency & Peak Gain
  Test Result : 3D Radiation Pattern Test

Taet Laboratory:
Name:**Suzhou Laboratory**
Address:No.99 Hongye RD.Suzhou Industrial Park Loufeng Hi-New-Tech Development Area,Suzhou,China
The test results relate only to the samples tested.

Test Environment and Equipments

The Gain, Efficiency, Directivity and 3D Pattern

Shanghai EM-Testing Co., Ltd.
https://www.em-testing.com/

Frequency Range :

WLAN 802.11 a/b/g: 2.40~2.50 & 5.125~5.85 GHz

Radiation Pattern Test System :

The Radiation Pattern Test System(EMT24)
The antenna under tested is arranged in the turned table and a decoupling sleeve is used to reduce feed line radiation (see figure. 1 &2). when viewed from the door of the chamber.

Antenna Measurement Photo

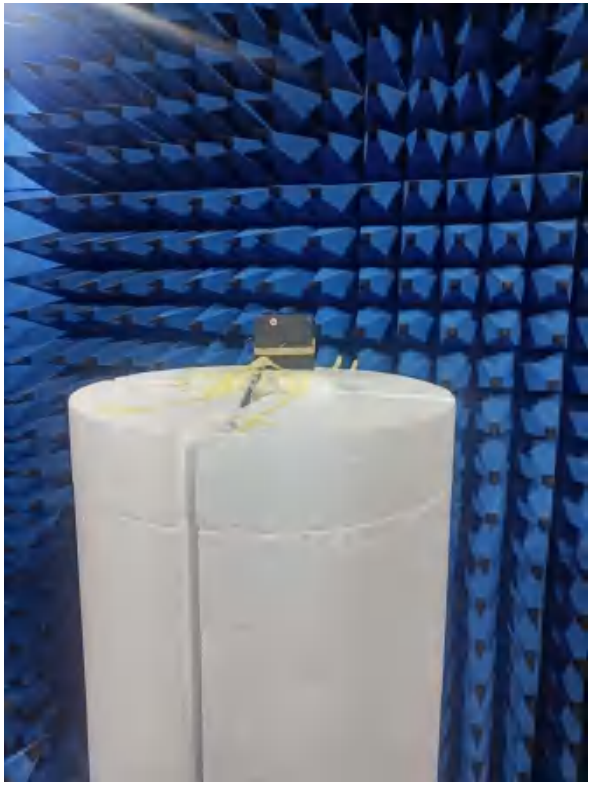


figure. 1

The axis arrangement is shown in Fig. 3

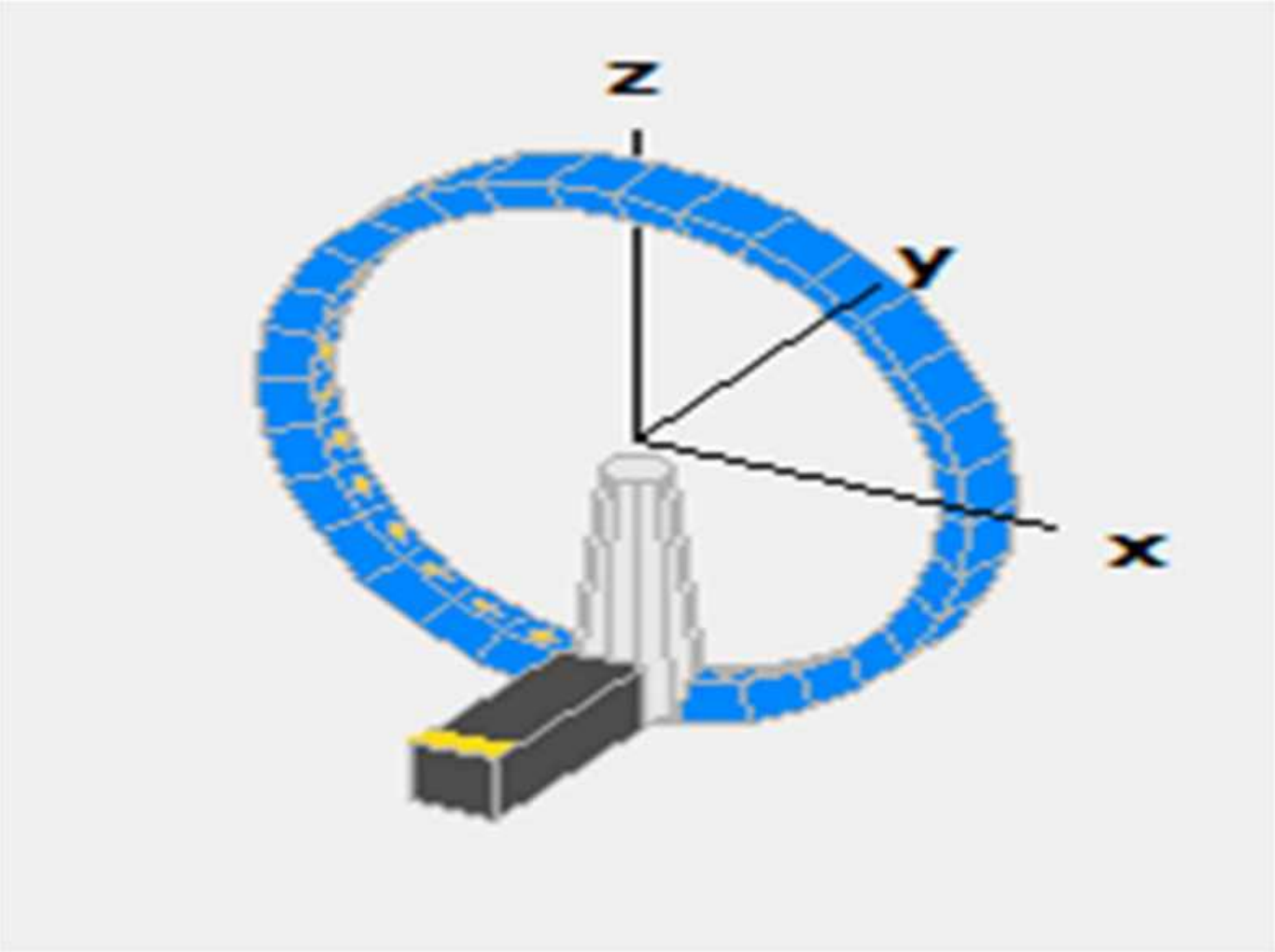
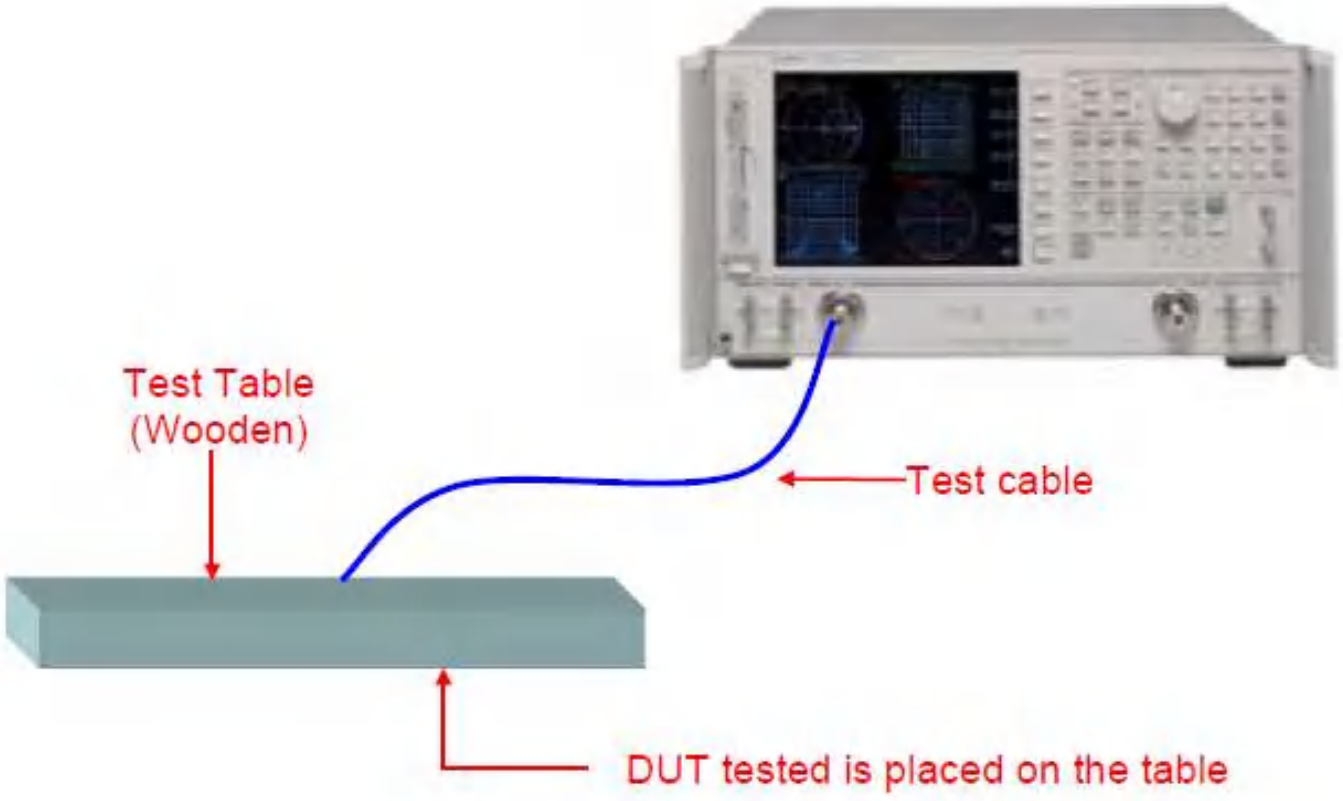


Fig. 3

Test Environment and Equipments

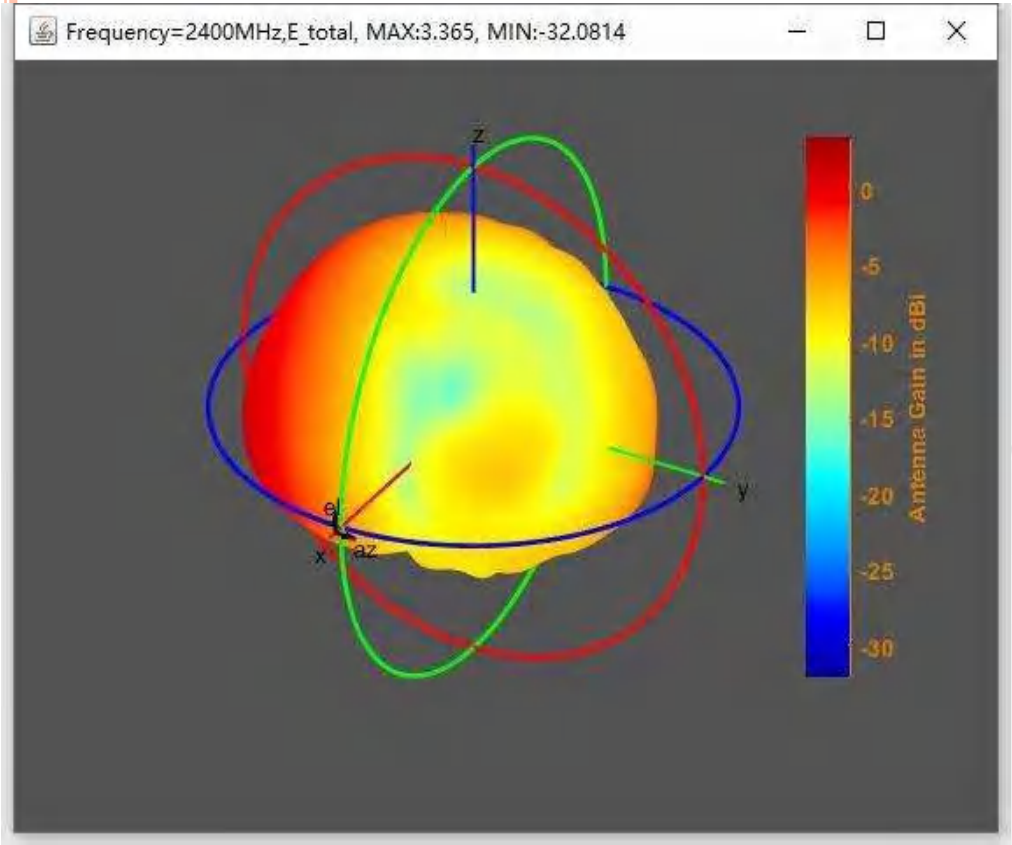
S-Parameter test

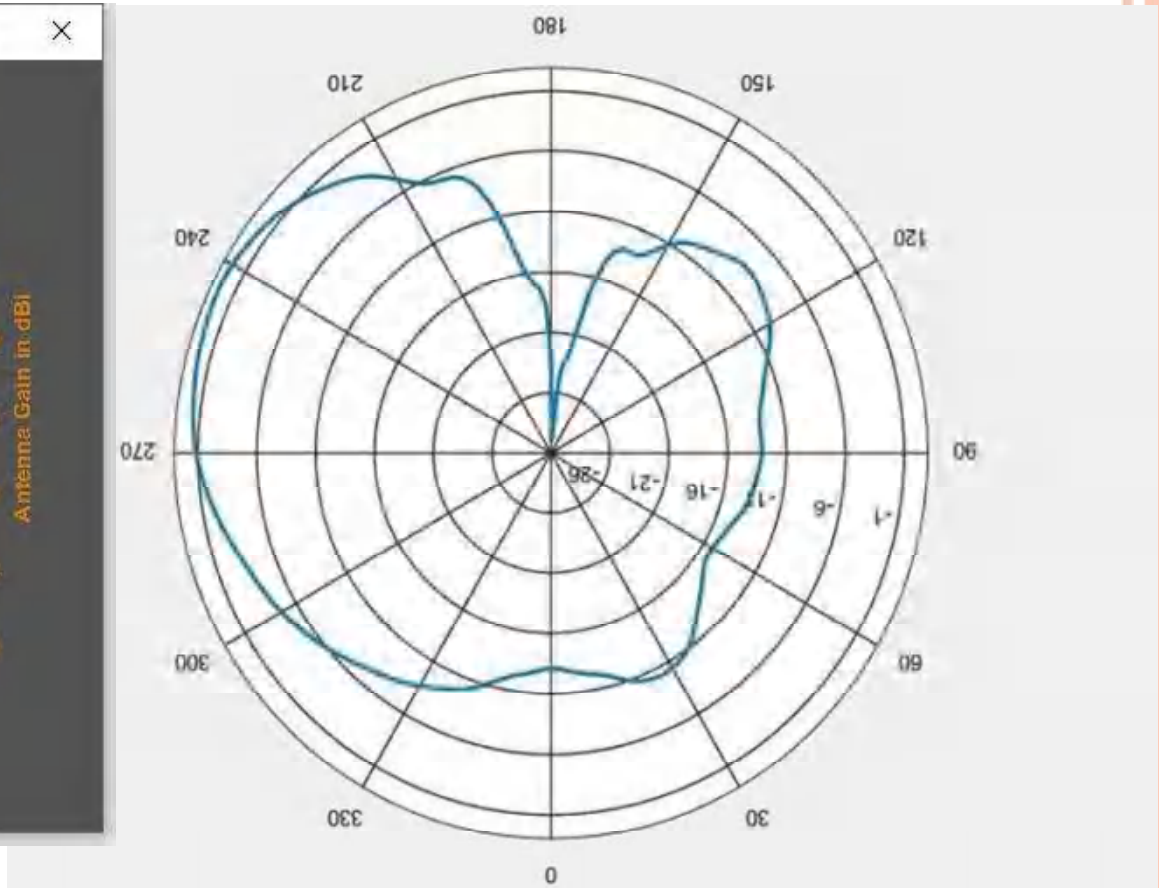
- Network Analyzer
- Testing range from 30KHz to 8.5GHz



Test Result : 3D/2D Radiation Pattern

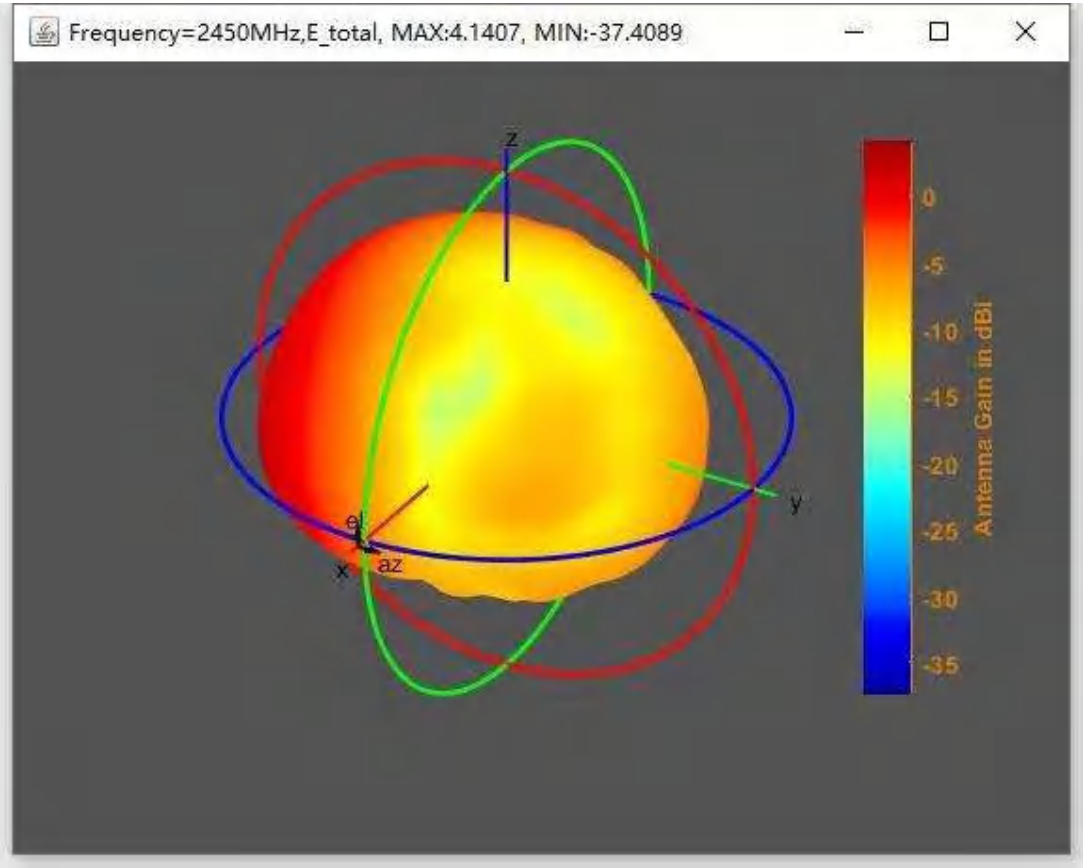
Antenna 2.4GHz

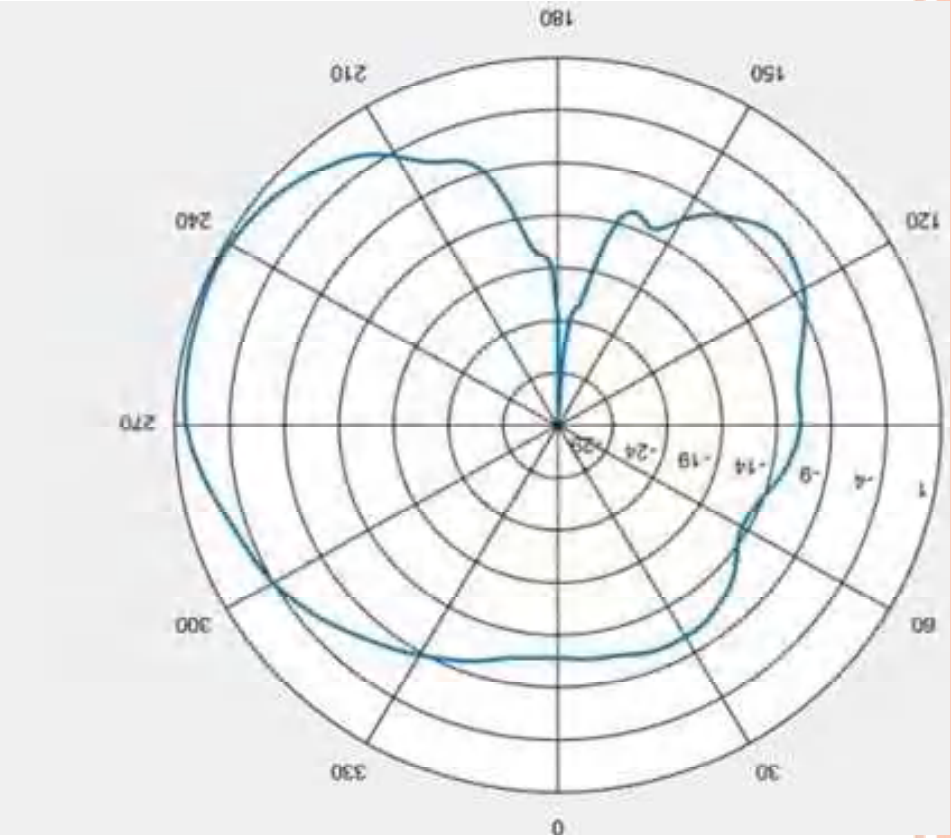




Test Result : 3D/2D Radiation Pattern

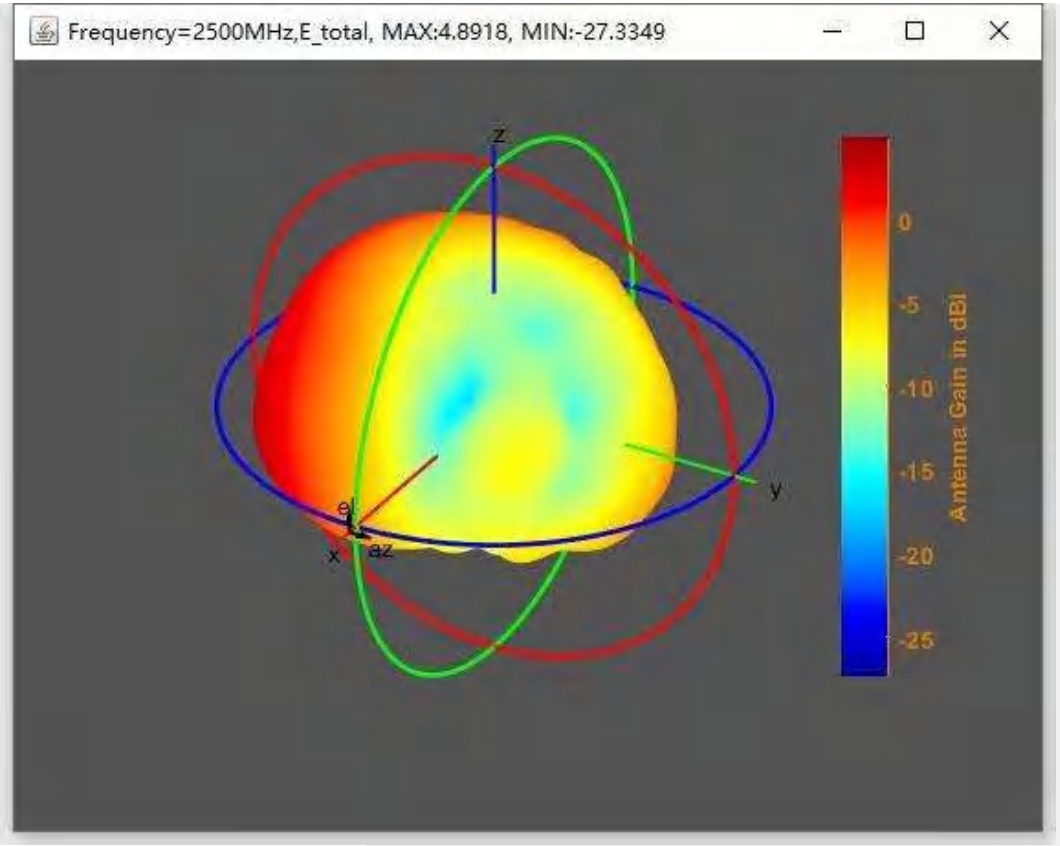
Antenna 2.45GHz

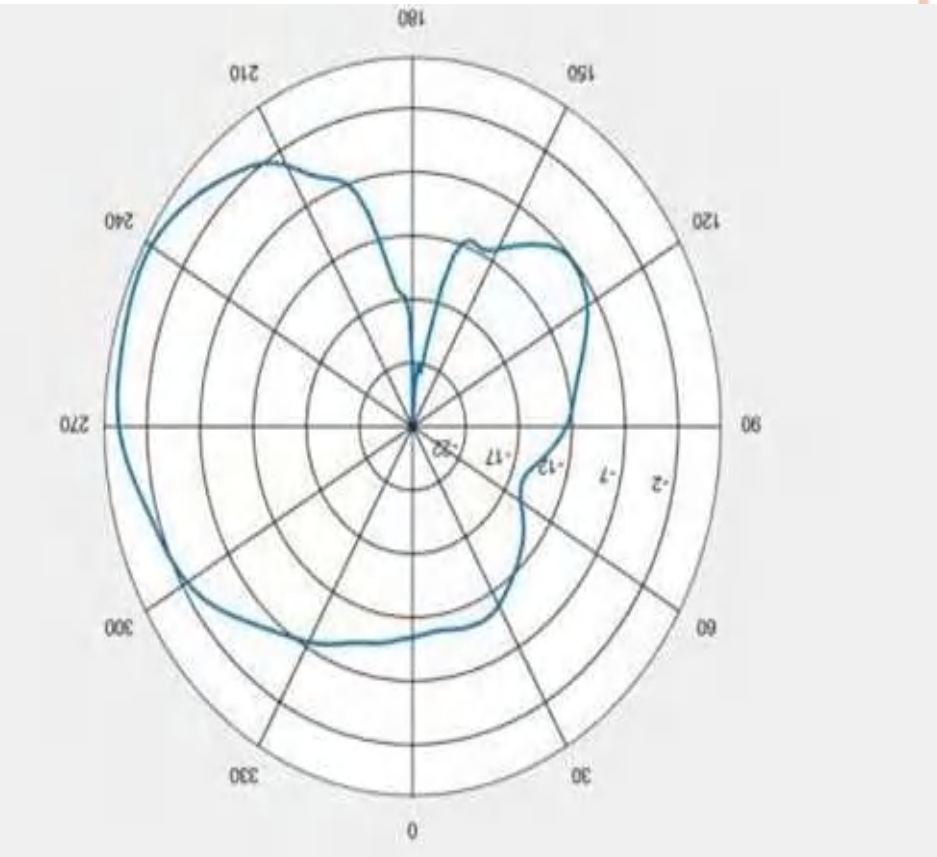




Test Result : 3D/2D Radiation Pattern

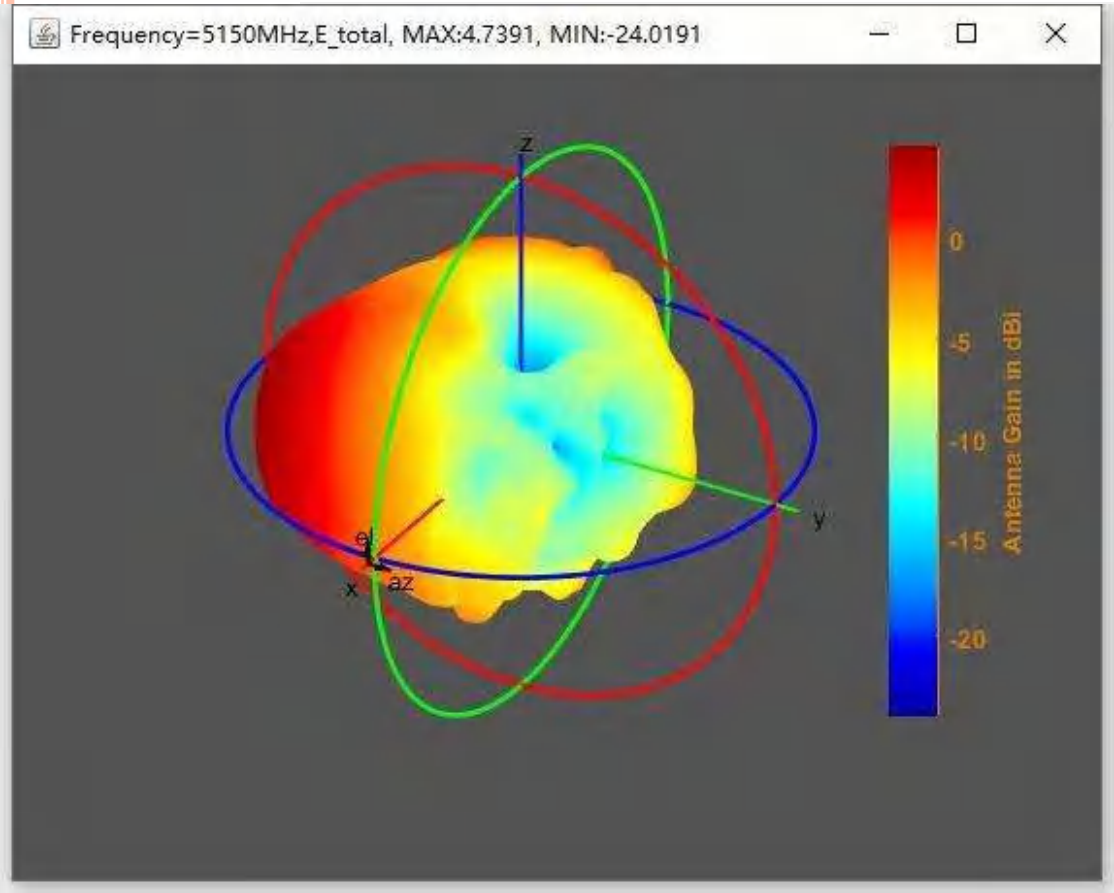
Antenna 2.5GHz

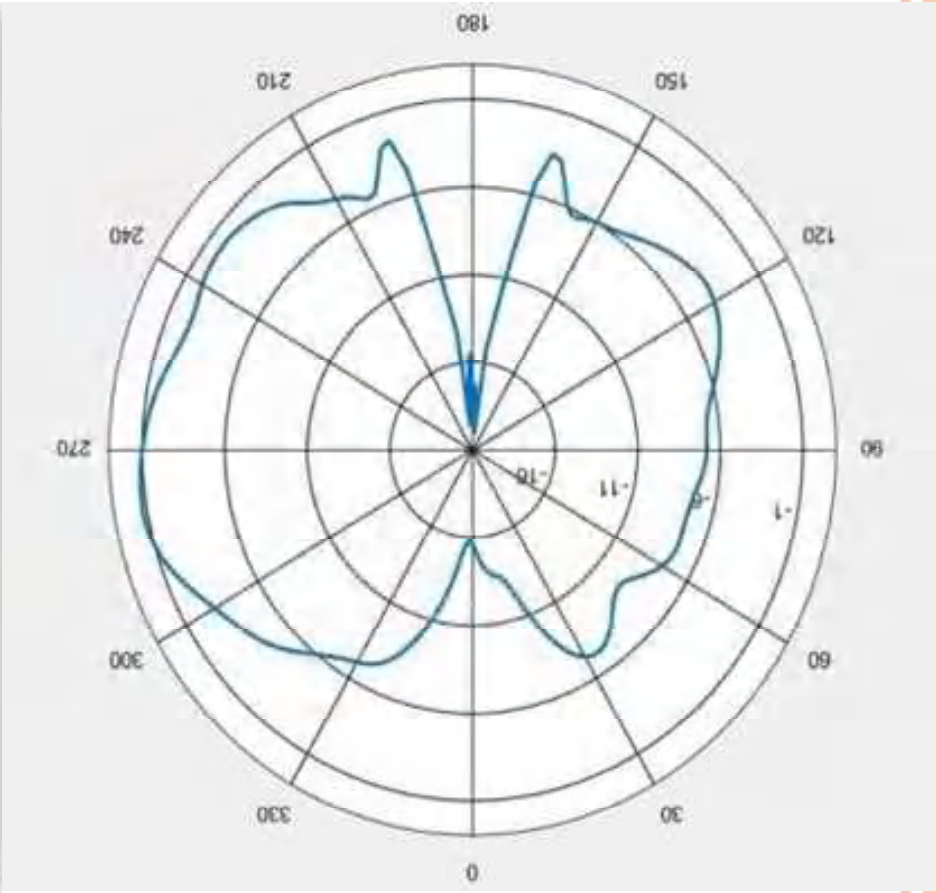




Test Result : 3D/2D Radiation Pattern

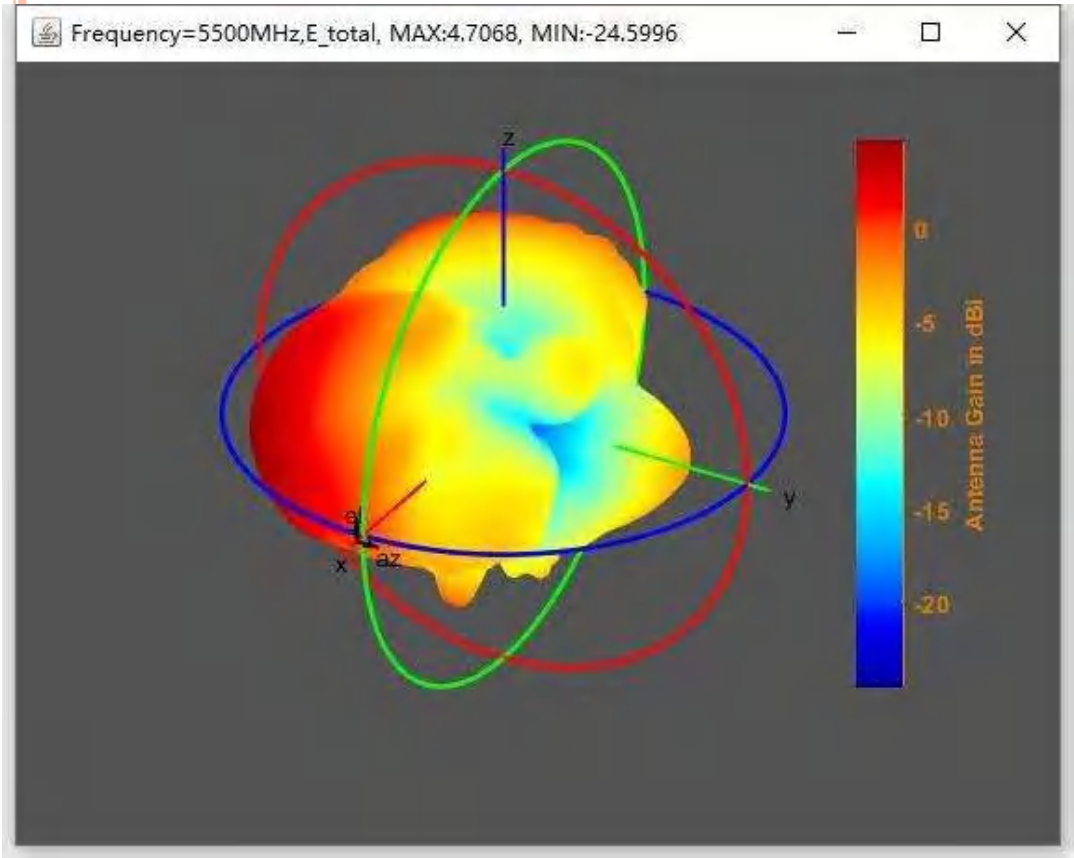
Antenna 5.15GHz

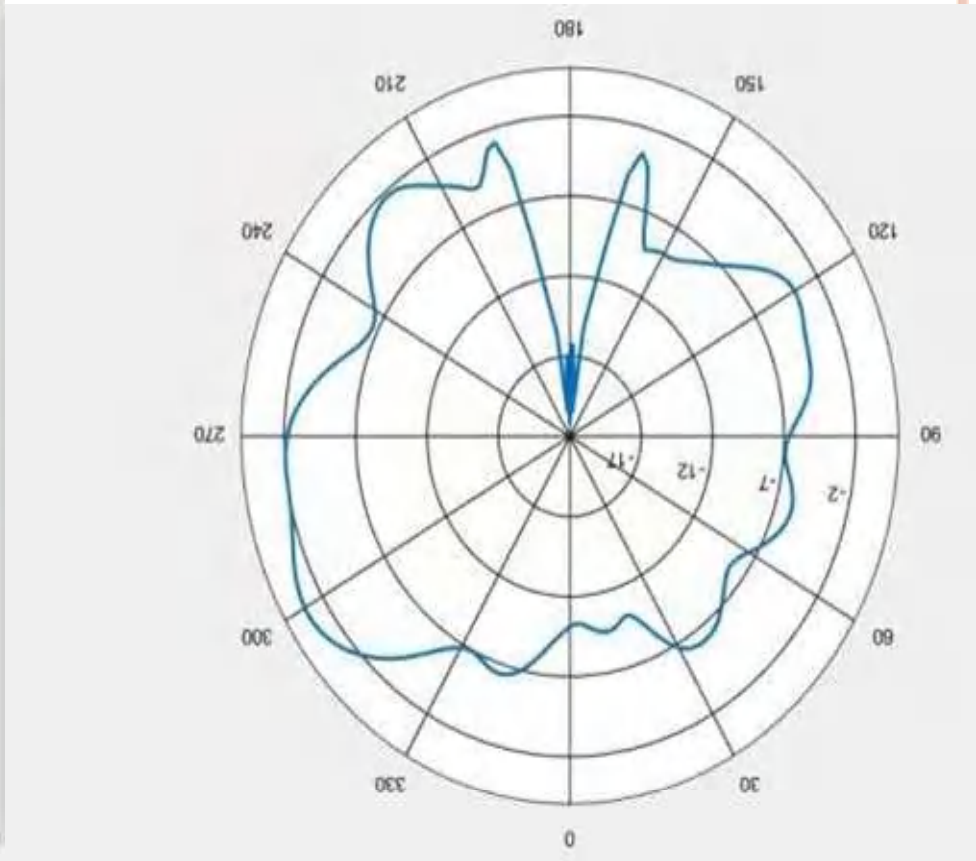




Test Result : 3D/2D Radiation Pattern

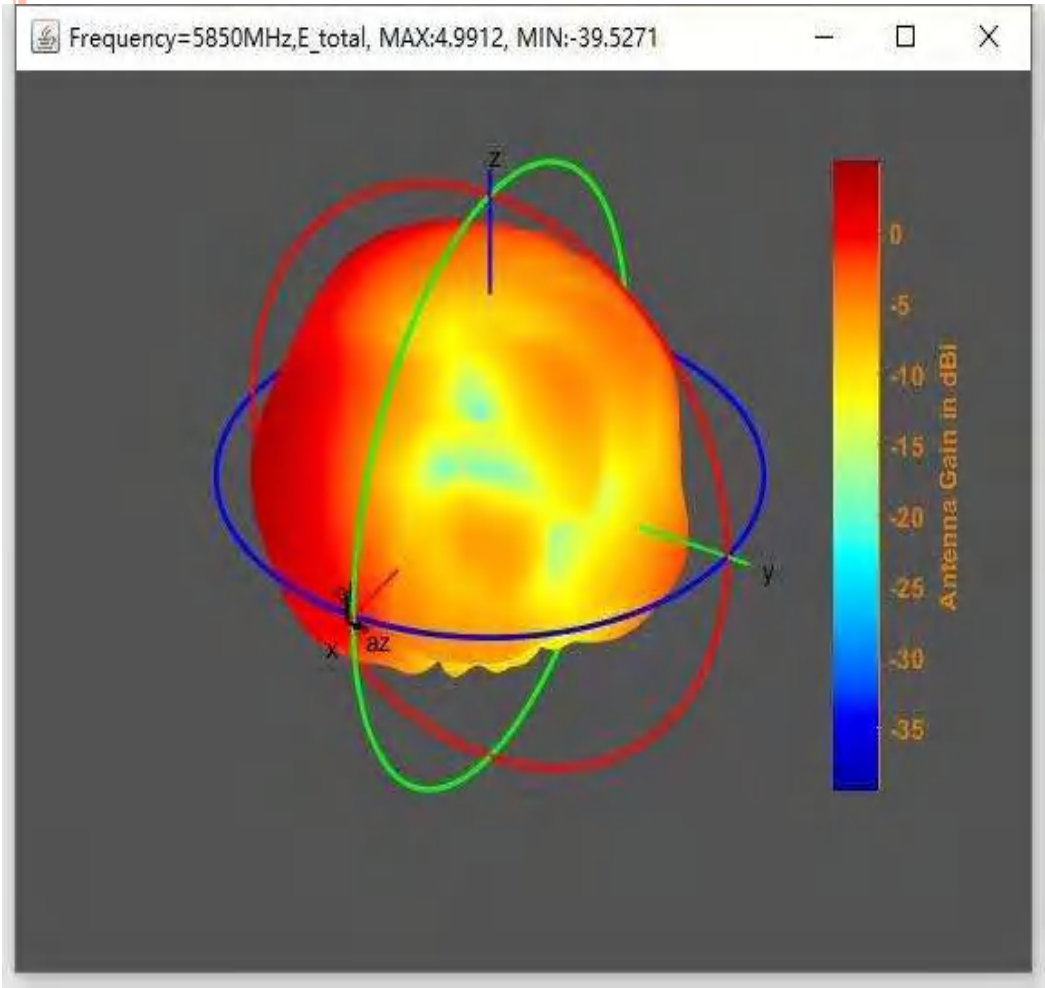
Antenna 5. 5GHz

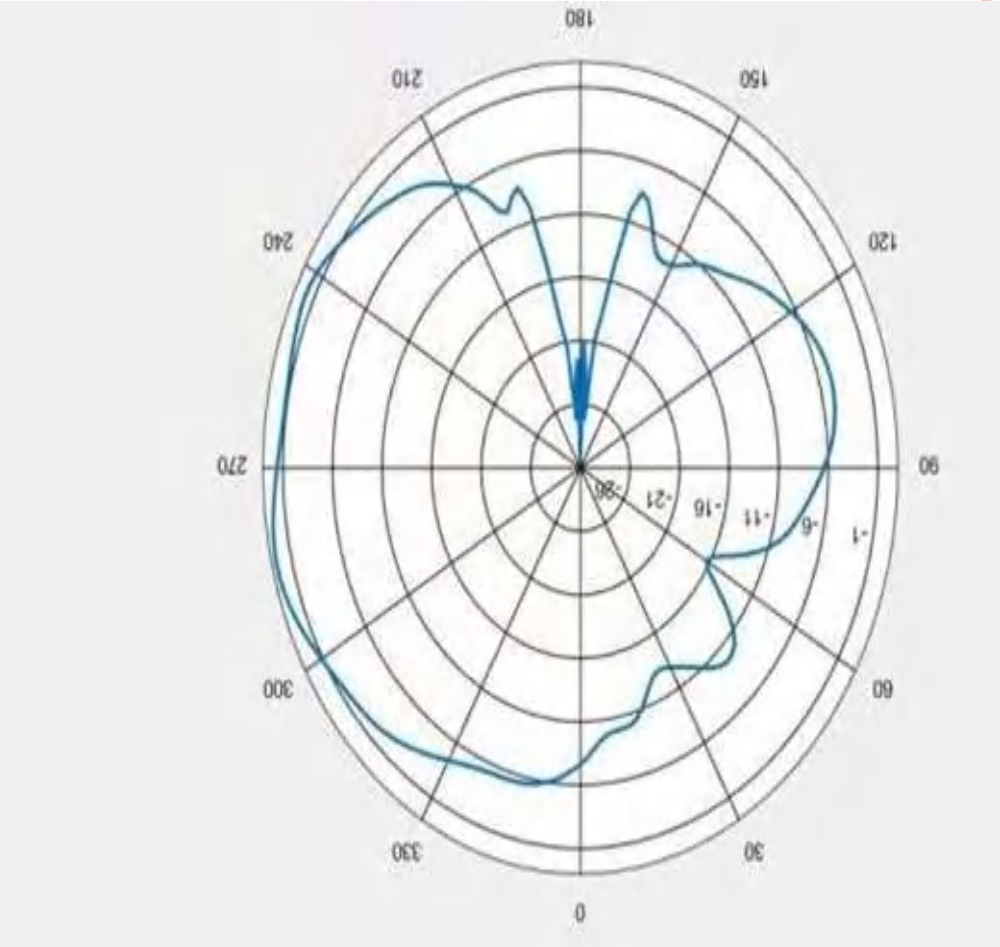




Test Result : 3D/2D Radiation Pattern

Antenna 1 5.850GHz





Test Result : Efficiency & Peak Gain

Frequency (MHz)	Directivity(dB)	Gain(dB)	Average Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	6.6222	3.365	-4.5201	-3.2572	47.2369
2440	6.6359	3.9824	-3.9335	-2.6536	54.2804
2500	6.689	4.1407	-3.8286	-2.5483	55.6116
5150	6.9006	4.7391	-3.2765	-2.1615	60.7926
5350	7.0589	5.0654	-3.1186	-1.9935	63.1901
5400	7.0878	4.9297	-3.2496	-2.1581	60.8407
5450	7.2401	5.0589	-3.2382	-2.1812	60.5176
5650	6.8671	4.4383	-3.4287	-2.4288	57.164
5700	6.573	4.1566	-3.4425	-2.4164	57.327
5750	6.5006	4.4531	-3.1211	-2.0474	62.4103
5800	6.5727	4.7468	-2.9447	-1.826	65.6757
5850	6.5851	4.9912	-2.735	-1.5939	69.2807

江阴市源达电工材料有限公司

JIANGYIN CITY YUANDA ELECTRICAL MATERIAL CO.,LTD.

中国江苏省江阴市青阳镇南陈村 邮编 214401

Nachen,Qingyang Town, Jiangyin City 214400,Jiangsu, China

客户/Customer:_____

客户料号/ Customer P/N:_____

规 格 书

Specification

50Ω(FEP)绝缘射频电缆

50Ω FEP Insulated Coaxial Cable

YD113 系列

YD113 SERIES

编制/Signed by: lai cool

编制日期/ Date: 25th November 2010

江阴市源达电工材料有限公司

JIANGYIN CITY YUANDA ELECTRICAL MATERIAL CO.,LTD.

中国江苏省江阴市青阳镇南陈村 邮编 214401

Nachen,Qingyang Town, Jiangyin City 214400,Jiangsu, China

1. 适用范围:

Scope

本规格书制定了 50Ω FEP 绝缘射频电缆 YD113 系列的结构和电气特性.

This specification covers the construction and the electrical properties of YD113 series of 50Ω FEP Insulation Coaxial Cable.

2. 结构/Construction:

单位/Unit:mm

项目/Item		详细资料/Details
导体/Conductor	材料/Material	镀锡铜线/Tinned Copper Wire
	构成(根/mm) Composition(No./mm)	7/0.083
	标称直径/NOM.O.D	0. 24±0.03
绝缘层 /Insulation	材料/Material	聚全氟乙丙烯（自然色）/FEP(Natural)
	标称绝缘厚度/Nom.Thick.（mm）	0.23
	标称外径/NOM.O.D	0.695±0.03
屏蔽层/Shield	材料/Material	镀锡铜线/Tinned annealed copper wire
	构成/Composition	0.05单线编织/Single Braid of 0.05
护套/Jacket	材料/Material	聚全氟乙丙烯/FEP
	标称护套厚度/ Nom.Thick（mm）	0.10
	标称外径/Nom.O.D（mm）	1.13±0.05
	颜色/Color	按与客户确认的颜色/According to corresponding have approved by the suppliers and customers

3.电气特性(20℃时)/Electrical Properties(at 20℃)

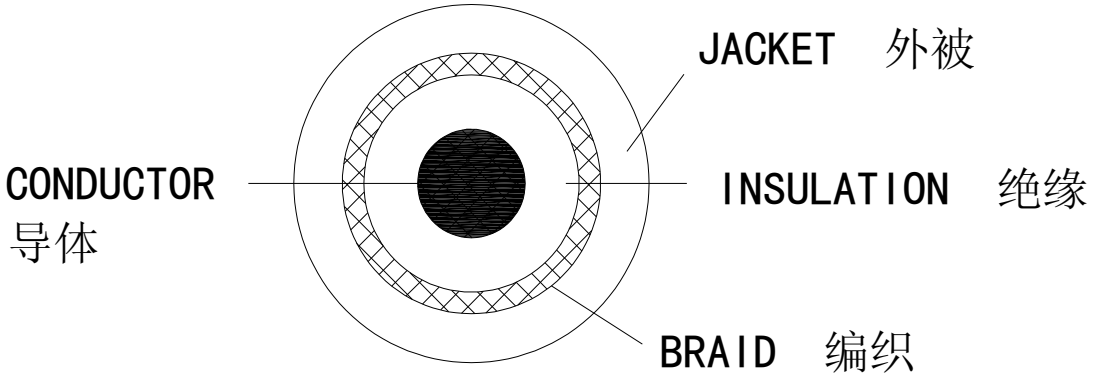
项目/Item	单位/Unit	详细资料/Details
导体电阻/Conductor Resistance	Ω/km	Max.560
绝缘电阻/Insulation Resistance	MΩ.km	Min.200
耐压强度/Dielectric Strength	V(AC)/min	1000
静电容/Capacitance	pF/m	98
特性阻抗/Characteristic Impedance	Ω	50±2.0

衰减/Attenuation	dB/m	1GHz	2.20
		2GHz	3.15
		3GHz	3.90
		4GHz	4.60
		5GHz	5.20
		6GHz	5.70
驻波比/Standing wave(0-6GHz)	/	≤1.35	

4.包装 Packing

标准单位包装长度为 1000 米/盘,每盘最多允许 5 个接头,接头最短长度 20 米,在搬运过程中不能损坏包装.

Standard unit length of finished cable shall be 1000m on reel, frequency of joint max.5/reel, the mini length is 20m. The finished cable shall be packed not be damaged during transportation



****

本产品有时不适合车载用途的情况也有,所以使用前请先和本公司业务部门进行商谈.

This product is not suitable for automobile application in some cases.Please contact with our sales department before you use this product.

****

规格书完

End of specification

Test Report

Report No. A2230486716101016

Company Name shown on Report	JIANGSU YUANDA OF CABLE TECHNOLOGY CO.,LTD/JIANGYIN YUANDA ELECTRIC MATERIAL CO.,LTD
Address	HANGKONG ROAD NO.126JIANHU COUNTY YANCHENG CITY JIANGSU PROVINCE/1339# XICHENG ROAD,QINGYANG TOWN,JIANGYIN CITY,JIANGSU PROVINCE
Sample Received Date	Sep. 19, 2023
Testing Period	Sep. 19, 2023 to Sep. 23, 2023
Test Requested	As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Beryllium(Be), Antimony(Sb), Phosphorus(P), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I), Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA), Phthalates in the submitted sample(s).
Test Method/Test Result(s)	Please refer to the following page(s).

Approved by Chen kaimin

Chen kaimin
Lab Manager

Date Sep. 25, 2023

No. R295821098

Centre Testing International Pinbiao(Shanghai) Co., Ltd. No.1351, Wanfang Road, Minhang District, Shanghai, China

Test Report

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

CTI Sample ID	Sample Name(s)	Material	Reference Report No. - CTI Sample ID
001	Coaxial cable	Silvery metal wire	A2230486716101001-001
002	Coaxial cable	Colorless transparent plastic	A2230486716101001-002
003	Coaxial cable	Silvery metal wire	A2230486716101001-003
008	Coaxial cable	Gray jacket	A2230486716101004-008

Remark:

The samples with the reference information in the table above are non-tested in this report.According to the client's statement, test results and the photosof the " CTI Sample ID " column reference to "Reference Report Number - CTI Sample ID " column.

****

Conclusion

Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	PASS

****

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

Test Report

Test Method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS
Beryllium(Be)	Refer to US EPA 3050B:1996 & US EPA 6010D:2018*	ICP-OES
Antimony(Sb)	Refer to US EPA 3052:1996 & US EPA 6010D:2018*	ICP-OES
Phosphorus(P)	Refer to US EPA 3052:1996 & US EPA 6010D:2018*	ICP-OES
Fluorine (F)	Refer to EN 14582:2016	IC
Chlorine (Cl)	Refer to EN 14582:2016	IC
Bromine (Br)	Refer to EN 14582:2016	IC
Iodine (I)	Refer to EN 14582:2016	IC
Perfluorooctane Sulfonates(PFOS)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007*	LC-MS-MS/LC-MS
Perfluorooctanoic Acid(PFOA)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007*	LC-MS-MS/LC-MS
Phthalates	IEC 62321-8:2017	GC-MS

Test Result(s)

Tested Item(s)	**Result**			**MDL**	**Limit**
	001	**002**	**003**		
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	--	N.D.	--	8 mg/kg	1000 mg/kg
	N.D.▾	--	N.D.▾	0.10 μg/cm² (LOQ)	1000 mg/kg

Test Report

Tested Item(s)	Result	MDL	Limit
	008		
Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg
	--	0.10 μg/cm² (LOQ)	1000 mg/kg

Tested Item(s)	Result		MDL	Limit
	002	008		
Polybrominated Biphenyls (PBBs)				
Monobromobiphenyl	N.D.	N.D.	5 mg/kg	1000 mg/kg
Dibromobiphenyl	N.D.	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	
Hexabromobiphenyl	N.D.	N.D.	5 mg/kg	
Heptabromobiphenyl	N.D.	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	N.D.	5 mg/kg	

Tested Item(s)	Result		MDL	Limit
	002	008		
Polybrominated Diphenyl Ethers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg	

Test Report

Tested Item(s)	Result		MDL	Limit
	002	008		
Phthalates (DBP, BBP, DEHP, DIBP)				
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg

Tested Item(s)	Result		MDL
	001	003	
Beryllium (Be)	N.D.	N.D.	10 mg/kg

Tested Item(s)	Result		MDL
	002	008	
Antimony (Sb)	N.D.*[1]	N.D.*[1]	10 mg/kg

Tested Item(s)	Result		MDL
	002	008	
Phosphorus (P)	N.D.*[1]	N.D.*[1]	50 mg/kg

Tested Item(s)	Result		MDL
	002	008	
Fluorine (F)	527575 mg/kg	503802 mg/kg	10 mg/kg
Chlorine (Cl)	N.D.	N.D.	10 mg/kg
Bromine (Br)	N.D.	N.D.	10 mg/kg
Iodine (I)	N.D.	N.D.	10 mg/kg

Tested Item(s)	Result		MDL
	002	008	
Perfluorooctane Sulfonates (PFOS)	N.D.	N.D.	0.010 mg/kg

Test Report

Tested Item(s)	Result		MDL
	002	008	
Perfluorooctanoic Acid (PFOA)	N.D.	N.D.	0.010 mg/kg

Tested Item(s)	Result		MDL
	002	008	
Phthalates			
*Di-n-hexyl phthalate (DNHP/DHEXP) CAS#:84-75-3	N.D.	N.D.	50 mg/kg
*Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	N.D.	50 mg/kg
Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	N.D.	50 mg/kg
Di-isononyl phthalate (DINP) CAS#:28553-12-0,68515-48-0	N.D.	N.D.	50 mg/kg
Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0,68515-49-1	N.D.	N.D.	50 mg/kg
*Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	N.D.	50 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Silvery metal wire
2	002	Colorless transparent plastic wire jacket
3	003	Silvery metal wire
4	008	Grey plastic wire jacket

Test Report

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury, Antimony, Phosphorus, Beryllium.**

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL or LOQ)

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm^2

-▼The sample is negative for Cr(VI) − The Cr(VI) concentration is below 0.10 μg/cm^2. The coating is considered a non-Cr(VI) based coating. Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

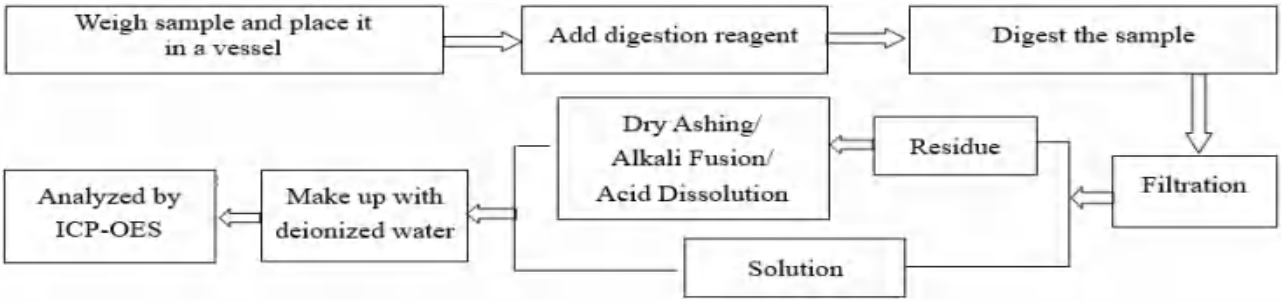
-*[1]= Testing results are only used for reference.

Note: **"*"indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.**

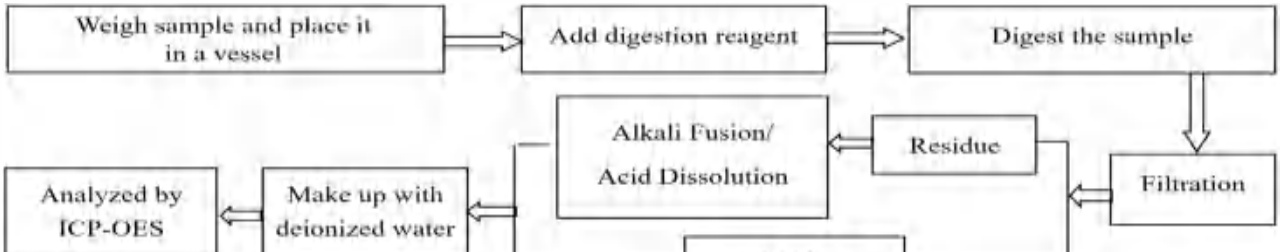
Test Report

Test Process

1. Lead (Pb), Cadmium (Cd), Chromium(Cr)

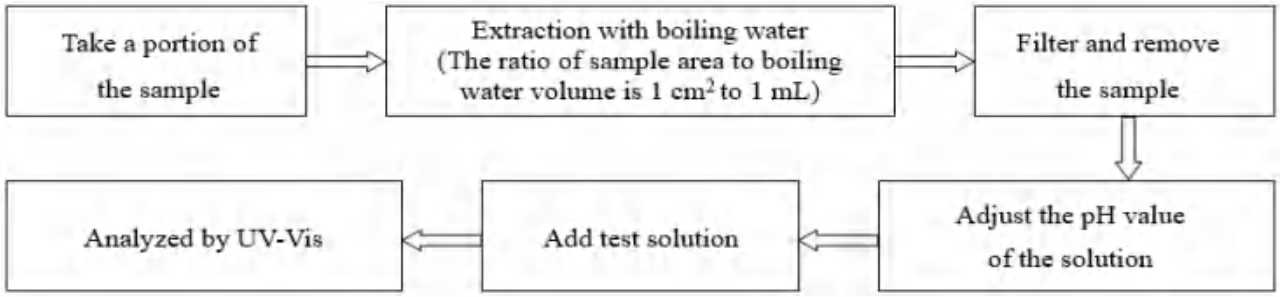


2. Mercury (Hg)

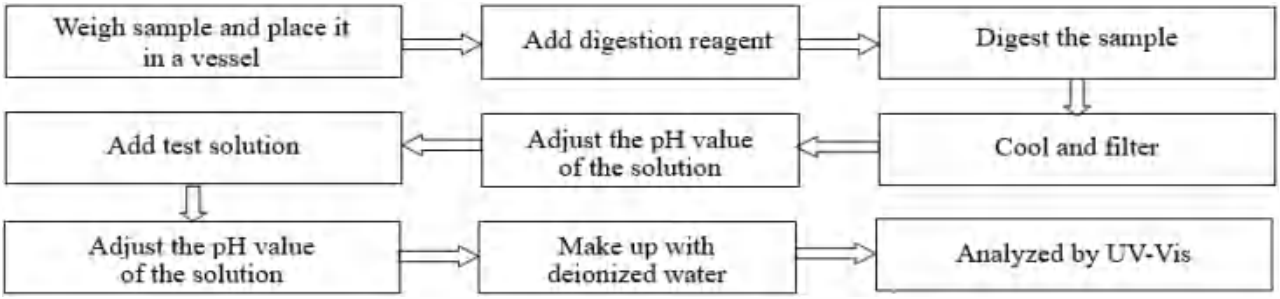


3. Hexavalent Chromium (Cr(VI))

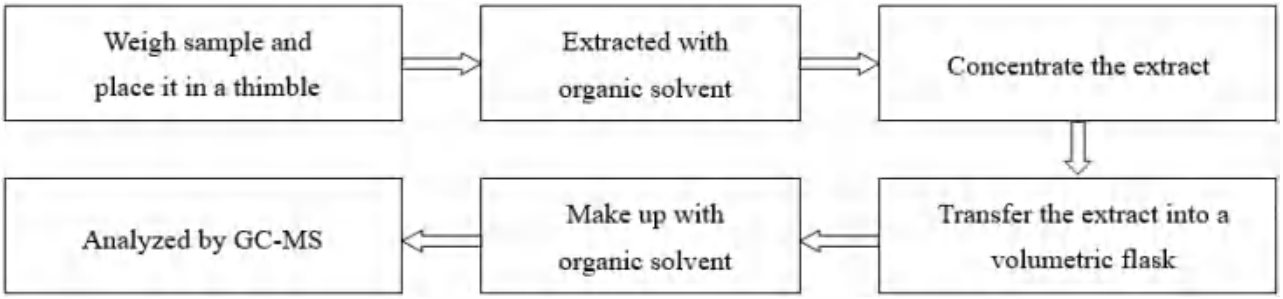
(1) IEC 62321-7-1:2015



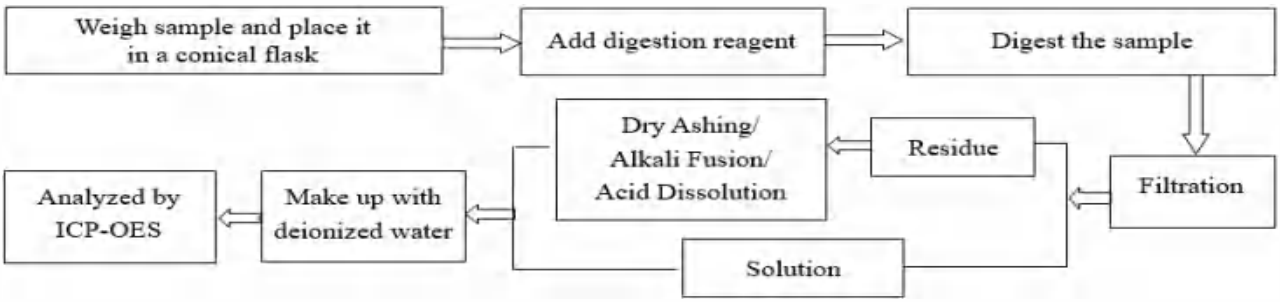
(2) IEC 62321-7-2:2017



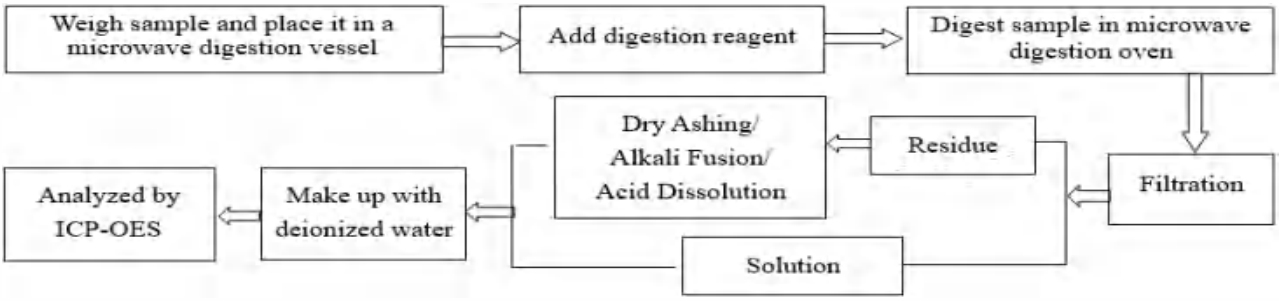
4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



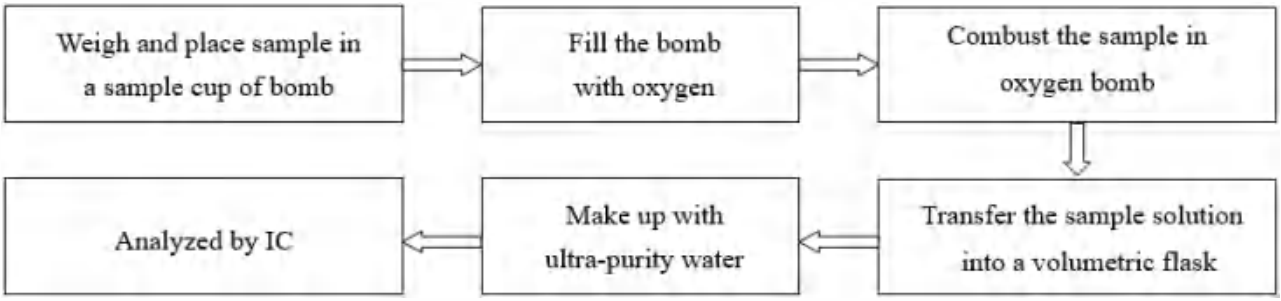
5. Beryllium(Be)



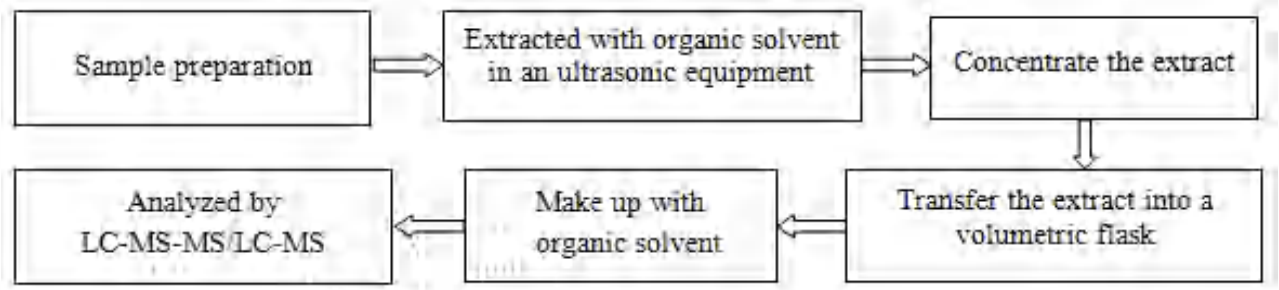
6. Antimony(Sb), Phosphorus(P)



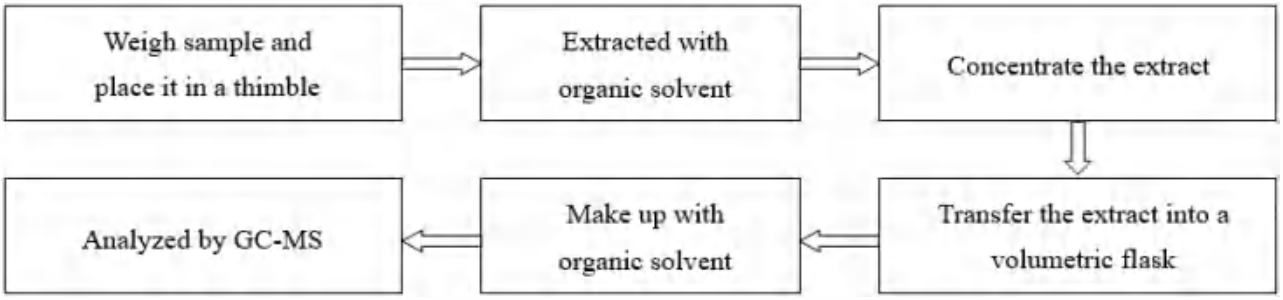
7. Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)



8. Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA)

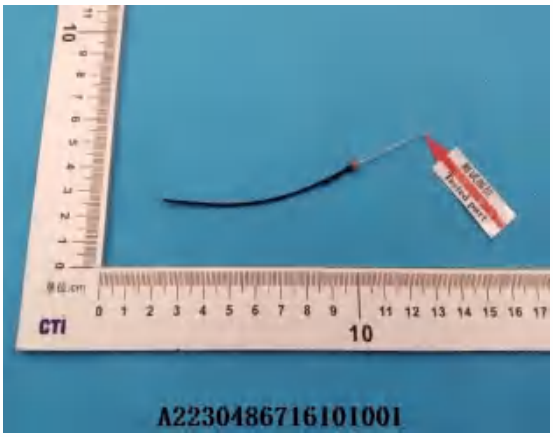


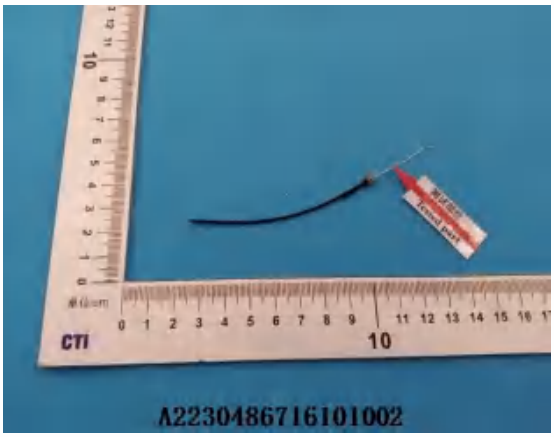
9. Phthalates

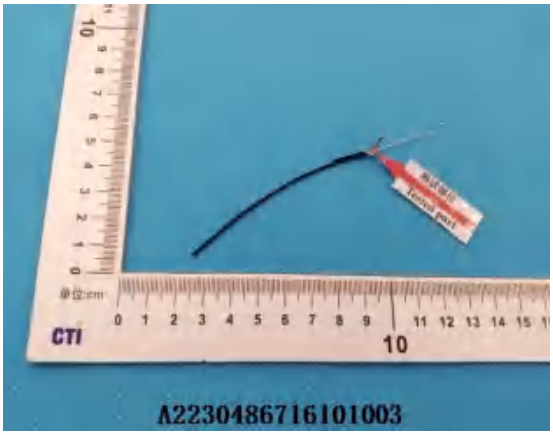


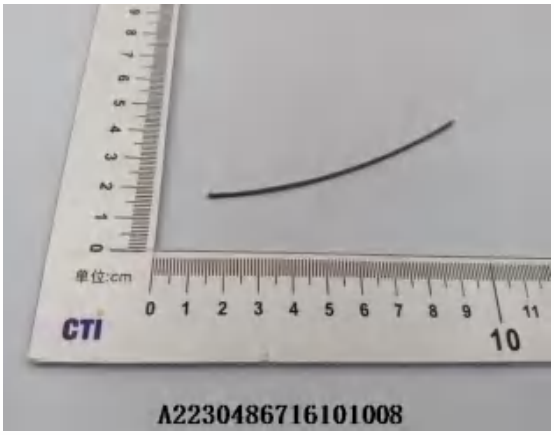
Test Report

Photo(s) of the sample(s)









Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full;
5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***

Appendix

Client Reference Information

RF0.64，RF0.81，RF1.13，RF1.32，RF1.37，RG142，RG174，RG178，RG179，RG180，RG187，RG188，RG316，RG316D,RG195，RG196，RG302，RG303，RG179D,RG223，RG304，RG393，RG400，RG402，RG405，SFF-50,SFF-75

Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A2230486716101016.

CTI 华测检测

Test Report

Company Name shown on Report	JIANGSU YUANDA OF CABLE TECHNOLOGY CO.,LTD/JIANGYIN YUANDA ELECTRIC MATERIAL CO.,LTD
Address	HANGKONG ROAD NO.126JIANHU COUNTY YANCHENG CITY JIANGSU PROVINCE/1339# XICHENG ROAD,QINGYANG TOWN,JIANGYIN CITY,JIANGSU PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	Coaxial cable and Electrical wire
Sample Received Date	Sep. 19, 2023
Testing Period	Sep. 19, 2023 to Sep. 23, 2023

Test Requested	1.As specified by client, to screen the 235 substances of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s). 2.As specified by client, to screen the 6 substances published on September 1st 2023 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s). 3.As specified by client, to screen the 1 substance published on June 1st 2021 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation (EC) No1907/2006 of REACH in the submitted sample(s). 4.As specified by client, to screen the 7 potential intentional substances for identification of SVHC in the submitted sample(s).
Test Method	Please refer to the following page(s).
Test Result(s)	Please refer to the following page(s).
Summary	According to the analytical results, concentrations of SVHC are ≤ 0.1% (w/w) in the submitted sample(s).

Approved by

Chen kaimin
Lab Manager

Date Sep. 23, 2023

No. R295828150

Centre Testing International Pinbiao(Shanghai) Co., Ltd. No.1351, Wanfang Road, Minhang District, Shanghai, China

Test Report

Test Result(s) 1

Batch	No.	Substance Name(s)	CAS No.	Concentration (%)	RL (%)
				001	
-	-	All tested SVHC (See the candidate list)	–	N.D.	-

Test Result(s) 2

Batch	No.	Substance Name(s)	CAS No.	Concentration (%)	RL (%)
				001	
-	-	All tested intention/potential intention for identification of SVHC (See the list of intention/potential intention for identification of SVHC)	-	N.D.	-

Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 for sample pretreatment.

Analyzed by ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, HPLC-DAD and LC-MS-MS.

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Mixed test, plastic wire jacket

Test Report

Remark:

1. The table of tested result(s) only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the List of SVHC/ intention/potential intention for identification of SVHC on next pages.
2. w/w = weight by weight; 0.1%= 1000 mg/kg =1000 ppm
3. N.D. = Not Detected (< RL)
4. RL = Report Limit (Concentration value will be shown if it ≥ RL. RL is not regulatory limit.)
5. ※= Intention for identification of SVHC
6. ⁂= Potential intention for identification of SVHC
7. *: Concentration value of the substance by the conversion from the test results of certain elements. Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE), Dibutylbis(pentane-2,4-dionato-O,O')tin, [Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety] by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
8. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
9. ***: C.I.: Colour Index
10. ****: Light fractions from distillation
11. *****: Concentration value of Disodiumtetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodiumtetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
12. ▲: Concentration value of Formaldehyde, oligomeric reaction products with aniline by the conversion from the test results of certain compounds(2,4-Diaminodiphenylmethane, 4,4'-Diaminodiphenylmethane, 2,2-Diaminodiphenylmethane).
13. ①: In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking MSDS or requesting from suppliers.
14. ②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
15. As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

Test Report

Candidate List of SVHC

Batch	No.	Substance Name(s)	CAS No.	RL (%)
I	1	Anthracene	120-12-7	0.005
I	2	4,4'- Diaminodiphenylmethane	101-77-9	0.005
I	3	Dibutyl phthalate(DBP)	84-74-2	0.005
I	4	Cobalt dichloride*	7646-79-9	0.01
I	5	Diarsenic pentaoxide*	1303-28-2	0.01
I	6	Diarsenic trioxide*	1327-53-3	0.01
I	7	Sodium dichromate*	7789-12-0 10588-01-9	0.01
I	8	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	0.005
I	9	Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	0.005
I	10	Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.005
I	11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	0.01
I	12	Bis(tributyltin)oxide (TBTO)*	56-35-9	0.005
I	13	Lead hydrogen arsenate*	7784-40-9	0.01
I	14	Benzyl butyl phthalate(BBP)	85-68-7	0.005
I	15	Triethyl arsenate*	15606-95-8	0.01
II	16	①Anthracene oil	90640-80-5	0.05
II	17	①Anthracene oil, anthracene paste, distn. lights ****	91995-17-4	0.05
II	18	①Anthracene oil, anthracene paste,anthracene fraction	91995-15-2	0.05
II	19	①Anthracene oil, anthracene-low	90640-82-7	0.05
II	20	①Anthracene oil, anthracene paste	90640-81-6	0.05
II	21	①Pitch, coal tar, high-temp.	65996-93-2	0.05
II	22	Acrylamide	79-06-1	0.01
II	23	2,4-dinitrotoluene	121-14-2	0.01
II	24	Diisobutyl phthalate (DIBP)	84-69-5	0.005
II	25	②Lead chromate	7758-97-6	0.05
II	26	②Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	0.05
II	27	②Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	0.05
II	28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	0.01
III	29	Trichloroethylene	79-01-6	0.005
III	30	Boric acid*	10043-35-3 11113-50-1	0.01
III	31	②Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	0.01
III	32	②Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	0.01
III	33	Sodium chromate*	7775-11-3	0.01
III	34	Potassium chromate*	7789-00-6	0.01
III	35	Ammonium dichromate*	7789-09-5	0.01
III	36	Potassium dichromate*	7778-50-9	0.01
IV	37	Cobalt(Ⅱ) sulphate*	10124-43-3	0.01
IV	38	Cobalt(Ⅱ) dinitrate*	10141-05-6	0.01
IV	39	Cobalt(Ⅱ) carbonate*	513-79-1	0.01
IV	40	Cobalt(Ⅱ) diacetate*	71-48-7	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
IV	41	2-methoxyethanol	109-86-4	0.005
IV	42	2-ethoxyethanol	110-80-5	0.005
IV	43	Chromium trioxide*	1333-82-0	0.01
IV	44	①Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.01
V	45	2-ethoxyethyl acetate	111-15-9	0.01
V	46	Strontium chromate*	7789-06-2	0.01
V	47	①1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.01
V	48	Hydrazine	7803-57-8 302-01-2	0.01
V	49	1-methyl-2-pyrrolidone (NMP)	872-50-4	0.01
V	50	1,2,3-trichloropropane	96-18-4	0.01
V	51	①1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.01
VI	52	Dichromium tris(chromate)*	24613-89-6	0.01
VI	53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.01
VI	54	Pentazinc chromate octahydroxide*	49663-84-5	0.01
VI	55	②Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	0.05
VI	56	②Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	0.05
VI	57	①Formaldehyde, oligomeric reaction products with aniline▲	25214-70-4	0.01
VI	58	Bis(2-methoxyethyl) phthalate	117-82-8	0.005
VI	59	2-Methoxyaniline(o-Anisidine)	90-04-0	0.005
VI	60	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.005
VI	61	1,2-dichloroethane	107-06-2	0.005
VI	62	Bis(2-methoxyethyl) ether	111-96-6	0.005
VI	63	Arsenic acid*	7778-39-4	0.01
VI	64	Calcium arsenate*	7778-44-1	0.01
VI	65	Trilead diarsenate*	3687-31-8	0.01
VI	66	N,N-dimethylacetamide (DMAC)	127-19-5	0.005
VI	67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.005
VI	68	Phenolphthalein	77-09-8	0.005
VI	69	Lead diazide, Lead azide*	13424-46-9	0.01
VI	70	Lead styphnate*	15245-44-0	0.01
VI	71	Lead dipicrate*	6477-64-1	0.01
VII	72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	0.01
VII	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.01
VII	74	Diboron trioxide*	1303-86-2	0.01
VII	75	Formamide	75-12-7	0.01
VII	76	Lead(II) bis(methanesulfonate)*	17570-76-2	0.01
VII	77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.01
VII	78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.01
VII	79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	0.01
VII	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.01
VII	81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)***	548-62-9	0.01
VII	82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5- dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)***	2580-56-5	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	0.01
VII	84	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	0.01
VIII	85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	0.05
VIII	86	①4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	0.05
VIII	87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA)	123-77-3	0.05
VIII	88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	0.05
VIII	89	Henicosafluoroundecanoic acid	2058-94-8	0.05
VIII	90	Pentacosafluorotridecanoic acid	72629-94-8	0.05
VIII	91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	0.05
VIII	92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.05
VIII	93	Heptacosafluorotetradecanoic acid	376-06-7	0.05
VIII	94	Diisopentylphthalate(DIPP)	605-50-5	0.05
VIII	95	①1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.05
VIII	96	n-pentyl-isopentylphthalate	776297-69-9	0.05
VIII	97	Methoxyacetic acid	625-45-6	0.05
VIII	98	Tricosafluorododecanoic acid	307-55-1	0.05
VIII	99	1,2-diethoxyethane	629-14-1	0.05
VIII	100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.05
VIII	101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.05
VIII	102	N-methylacetamide	79-16-3	0.05
VIII	103	Pentalead tetraoxide sulphate*	12065-90-6	0.01
VIII	104	Biphenyl-4-ylamine	92-67-1	0.05
VIII	105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.05
VIII	106	Dioxobis(stearato)trilead*	12578-12-0	0.01
VIII	107	Lead dinitrate*	10099-74-8	0.01
VIII	108	Tetralead trioxide sulphate*	12202-17-4	0.01
VIII	109	Lead monoxide (lead oxide)*	1317-36-8	0.01
VIII	110	Lead titanium trioxide*	12060-00-3	0.01
VIII	111	4,4'-methylenedi-o-toluidine	838-88-0	0.05
VIII	112	Acetic acid, lead salt, basic*	51404-69-4	0.01
VIII	113	Dimethyl sulphate	77-78-1	0.05
VIII	114	Furan	110-00-9	0.05
VIII	115	Pyrochlore, antimony lead yellow*	8012-00-8	0.01
VIII	116	Tetraethyllead*	78-00-2	0.01
VIII	117	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.01
VIII	118	Diethyl sulphate	64-67-5	0.05
VIII	119	Lead cyanamidate*	20837-86-9	0.01
VIII	120	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	0.01
VIII	121	Trilead dioxide phosphonate*	12141-20-7	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
VIII	122	*o*-Toluidine	95-53-4	0.05
VIII	123	*o*-aminoazotoluene	97-56-3	0.05
VIII	124	4-aminoazobenzene	60-09-3	0.05
VIII	125	6-methoxy-*m*-toluidine (*p*-cresidine)	120-71-8	0.05
VIII	126	Dibutyltin dichloride (DBTC)*	683-18-1	0.05
VIII	127	Lead titanium zirconium oxide*	12626-81-2	0.01
VIII	128	Methyloxirane (Propylene oxide)	75-56-9	0.05
VIII	129	1-bromopropane (n-propyl bromide)	106-94-5	0.05
VIII	130	Trilead bis(carbonate)dihydroxide*	1319-46-6	0.01
VIII	131	Fatty acids, C16-18, lead salts*	91031-62-8	0.01
VIII	132	Orange lead (lead tetroxide)*	1314-41-6	0.01
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
VIII	134	4,4'-oxydianiline and its salts	101-80-4	0.05
VIII	135	Lead oxide sulfate*	12036-76-9	0.01
VIII	136	Lead bis(tetrafluoroborate)*	13814-96-5	0.01
VIII	137	Silicic acid, lead salt*	11120-22-2	0.01
VIII	138	N,N-dimethylformamide	68-12-2	0.05
IX	139	Cadmium	7440-43-9	0.01
IX	140	Cadmium oxide*	1306-19-0	0.01
IX	141	Dipentyl phthalate (DPP)	131-18-0	0.01
IX	142	①4-Nonylphenol, branched and linear, ethoxylated*[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]*	-	0.05
IX	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.01
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.01
X	145	①Trixylyl phosphate	25155-23-1	0.01
X	146	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.01
X	147	Dihexyl phthalate	84-75-3	0.01
X	148	Cadmium sulphide*	1306-23-6	0.01
X	149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'- diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	0.01
X	150	Lead di(acetate)*	301-04-2	0.01
X	151	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.01
XI	152	①1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.01
XI	153	Cadmium chloride*	10108-64-2	0.01
XI	154	②Sodium perborate; perboric acid, sodium salt*****	15120-21-5 11138-47-9	0.01
XI	155	②Sodium peroxometaborate*****	7632-04-4	0.01
XII	156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.01
XII	157	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.01
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl- 7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*	15571-58-1	0.05
XII	159	Cadmium fluoride*	7790-79-6	0.01
XII	160	Cadmium sulphate*	10124-36-4 31119-53-6	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
XII	161	①Reaction mass of 2-ethylhexyl 10- ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)*	-	0.05
XIII	162	①1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5 68648-93-1	0.05
XIII	163	①5-sec-butyl-2-(2,4- dimethylcyclohex-3-en-1-yl)-5- methyl-1,3- dioxane [1], 5-sec- butyl-2-(4,6- dimethylcyclohex- 3-en-1-yl)- 5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	0.05
XIV	164	Nitrobenzene	98-95-3	0.01
XIV	165	2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.01
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.01
XIV	167	1,3-propanesultone	1120-71-4	0.01
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.01
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.01
XVI	170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	0.01
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	0.01
XVI	172	*p*-(1,1-dimethylpropyl)phenol	80-46-6	0.01
XVI	173	①4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.05
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	0.0005
XVIII	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	0.01
XVIII	176	Benzo[a]anthracene	56-55-3	0.01
XVIII	177	Cadmium nitrate*	10325-94-7	0.01
XVIII	178	Cadmium carbonate*	513-78-0	0.01
XVIII	179	Cadmium hydroxide*	21041-95-2	0.01
XVIII	180	Chrysene	218-01-9	0.01
XVIII	181	①Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]	-	0.05
XIX	182	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.01
XIX	183	Decamethylcyclopentasiloxane (D5)	541-02-6	0.01
XIX	184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.01
XIX	185	Lead	7439-92-1	0.01
XIX	186	Disodium octaborate*	12008-41-2	0.01
XIX	187	Benzo[ghi]perylene	191-24-2	0.01
XIX	188	①Terphenyl, hydrogenated	61788-32-7	0.01
XIX	189	Ethylenediamine (EDA)	107-15-3	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
XIX	190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.01
XIX	191	Dicyclohexyl phthalate (DCHP)	84-61-7	0.01
XX	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.01
XX	193	Benzo[k]fluoranthene	207-08-9	0.01
XX	194	Fluoranthene	206-44-0	0.01
XX	195	Phenanthrene	85-01-8	0.01
XX	196	Pyrene	129-00-0	0.01
XX	197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	0.01
XXI	198	2,3,3,3-tetrafluoro-2- (heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.01
XXI	199	2-methoxyethyl acetate	110-49-6	0.01
XXI	200	4-tert-butylphenol	98-54-4	0.01
XXI	201	①Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.01
XXII	202	2-benzyl-2-dimethylamino-4'- morpholinobutyrophenone	119313-12-1	0.01
XXII	203	2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one	71868-10-5	0.01
XXII	204	Diisohexyl phthalate	71850-09-4	0.01
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.01
XXIII	206	1-vinylimidazole	1072-63-5	0.01
XXIII	207	2-methylimidazole	693-98-1	0.01
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.01
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin *	22673-19-4	0.05
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.01
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety *	-	0.05
XXV	212	1,4-dioxane	123-91-1	0.01
XXV	213	2,2-bis(bromomethyl) propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	0.01
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.01
XXV	215	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	0.01
XXV	216	Glutaral	111-30-8	0.01
XXV	217	①Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.01
XXV	218	Orthoboric acid, sodium salt *	13840-56-7	0.01
XXV	219	①Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.01
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.01
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	0.01
XXVI	222	S-(tricyclo[5.2.1.$0^{2,6}$]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.01

Test Report

Batch	No.	Substance Name(s)	CAS No.	RL (%)
XXVI	223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.01
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.01
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis [2,4,6-tribromobenzene]	37853-59-1	0.01
XXVIII	226	2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol (TBBPA)	79-94-7	0.01
XXVIII	227	4,4'-sulphonyldiphenol (BPS)	80-09-1	0.01
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.01
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.01
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.01
XXVIII	231	Melamine	108-78-1	0.05
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.01
XXVIII	233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	0.05
XXIX	234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.01
XXIX	235	Bis(4-chlorophenyl) sulphone	80-07-9	0.01

List of intention/potential intention for identification of SVHC

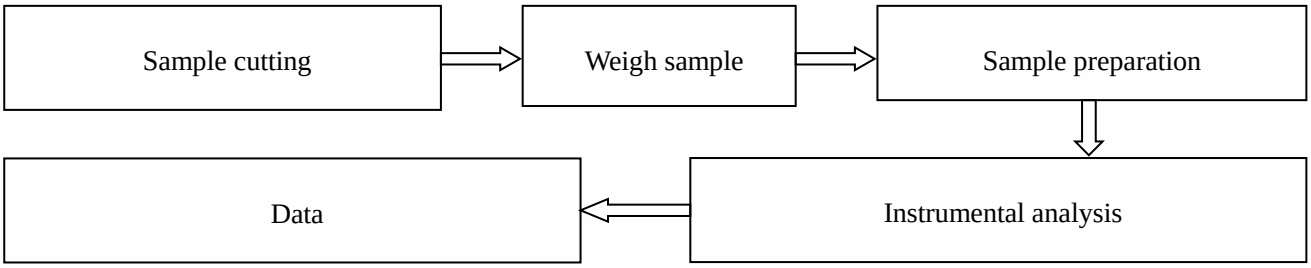
Batch	No.	Substance Name(s)	CAS No.	RL (%)
XXX	1	2,4,6-tri-tert-butylphenol (2,4,6-TTBP)	732-26-3	0.01
XXX	2	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.01
XXX	3	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.01
XXX	4	Bumetrizole (UV-326)	3896-11-5	0.01
XXX	5	Dibutyl phthalate (DBP)	84-74-2	0.005
XXX	6	①Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.01
※	7	Resorcinol	108-46-3	0.01
⁂	8	Triphenyl phosphate	115-86-6	0.01
⁂	9	Octamethyltrisiloxane	107-51-7	0.01
⁂	10	Hexamethyldisiloxane	107-46-0	0.01
⁂	11	Dodecamethylpentasiloxane	141-63-9	0.01
⁂	12	Decamethyltetrasiloxane	141-62-8	0.01
⁂	13	1,1,1,3,5,5,5-heptamethyltrisiloxane	1873-88-7	0.01
⁂	14	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.01

Test Report

Appendix:

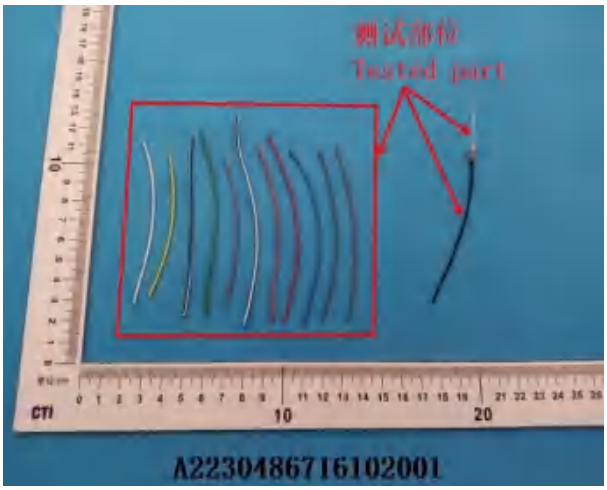
1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
   1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
   2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
   1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
   2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.

Test Process



Test Report

Photo(s) of the sample(s)



Statement:

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2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
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*** End of Report ***

Appendix

Client Reference Information

RF0.64、RF0.81，RF0.81L,RF1.13，RF1.13L,RF1.32，RF1.37,SFF，RF1.37L,RG178，RG178L，RG178D,RG179，RG179D,RG180，RG187，RG188，RG195，RG196，RG302，RG233，RG304，RG316，RG316D,RG142，RG393，RG400，UL1332，UL1330 ，UL1333 ，UL1726，UL1727，UL1857，UL1858，UL1859,UL1860,UL10362,UL1911,UL1933,UL5230,UL5231，FLR6Y，FLR7Y，FLR51Y，RG402，RG405，

Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A2230486716102001.

[redacted]

客户名称： 上海国纪电子材料有限公司

客户地址： 上海市松江区工业园区宝胜路33号

样品名称： FR-4.1无卤素环氧玻纤板

以上样品及信息由客户提供。

SGS工作编号：	SP22-026922 - SH
样品接收日期：	2022年11月11日
检测周期：	2022年11月11日 - 2022年11月17日
检测要求：	根据客户要求检测
检测方法：	请参见下一页
检测结果：	请参见下一页
结论：	基于所送样品进行的检测，镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基已基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的检测结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

通标标准技术服务（上海）有限公司
授权签名

刘盈妹

Annie Liu刘盈妹
批准签署人

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检测结果 :

检测样品描述 :

[redacted]	[redacted]	[redacted]
SN1	SHA22-159492.002	铜色/棕色固体板

备注 :

(1) 1 mg/kg = 0.0001%

(2) MDL = 方法检测限

(3) ND = 未检出 (< MDL)

(4) "-" = 未规定

[redacted]

检测方法 : 参考IEC 62321-4:2013+AMD1:2017， IEC 62321-5:2013，IEC 62321-7-2:2017，IEC 62321-6:2015和IEC 62321-8:2017，采用ICP-OES，UV-Vis和GC-MS进行分析。

检测项目	限值	单位	MDL	*002*
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	9
汞(Hg)	1000	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和(PBBs)	1000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND

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检测项目	限值	单位	MDL	002
五溴二苯醚	-	mg/kg	5	ND
六溴二苯醚	-	mg/kg	5	ND
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯(BBP)	1000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	1000	mg/kg	50	ND

备注 :

(1) 最大允许极限值引用自RoHS指令(EU) 2015/863 。
IEC 62321系列等同于 EN 62321系列
(2) 2021年7月22号开始，DEHP, BBP, DBP 和 DIBP的限制适用于医疗器械，包括体外医疗器械，监控仪表，包括工业监测和控制仪器。

[redacted]

检测方法 : 参照EN 14582: 2016方法 测定, 采用 IC进行分析.

检测项目	单位	MDL	002
氯 (Cl)	mg/kg	50	278
溴 (Br)	mg/kg	50	ND

[redacted]

检测方法 : 参照NIOSH 9002:1994, 用偏光显微镜定性测定石棉.

检测项目	CAS NO.	单位	MDL	002
阳起石	77536-66-4	%	0.1	阴性
铁石棉	12172-73-5	%	0.1	阴性
直闪石	77536-67-5	%	0.1	阴性
温石棉	12001-29-5 132207-32-0	%	0.1	阴性

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检测项目	CAS NO.	单位	MDL	002
青石棉	12001-28-4	%	0.1	阴性
透闪石	77536-68-6	%	0.1	阴性

备注 :

(1) 阴性=未检出石棉，阳性=检出石棉

[redacted]

检测方法 : 参考IEC 62321:2008，采用GC-MS分析六溴环十二烷含量.

检测项目	单位	MDL	002
六溴环十二烷(HBCDD)	mg/kg	10	ND

[redacted]

检测方法 : 参考 CEN/TS 15968：2010方法，采用HPLC-MS进行分析。

检测项目	CAS NO.	单位	MDL	002
全氟辛烷磺酸 (PFOS) 及衍生物	-	mg/kg	-	ND
全氟辛烷磺酸 (PFOS) ^	1763-23-1	mg/kg	10	ND
N-乙基全氟辛烷磺酰胺 (EtFOSA)	4151-50-2	mg/kg	10	ND
N-甲基全氟辛烷磺酰胺 (MeFOSA)	31506-32-8	mg/kg	10	ND
2-(N-乙基全氟辛基磺酰胺)乙醇 (EtFOSE)	1691-99-2	mg/kg	10	ND
2-(N-甲基全氟辛基磺酰胺)乙醇 (MeFOSE)	24448-09-7	mg/kg	10	ND
全氟辛基磺酰胺 (PFOSA)	754-91-6	mg/kg	10	ND
全氟辛酸 (PFOA) 及其盐+	-	mg/kg	10	ND

备注 :

(1) ^ 全氟辛烷磺酸 (PFOS)包含 PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH4 (CAS No.: 29081-56-9), PFOS-NH(OH)2 (CAS No.: 70225-14-8), PFOS-N(C2H5)4 (CAS No.: 56773-42-3), PFOS-DDA (CAS No.:251099-16-8) 和POSF (CAS No.: 307-35-7)

(2) PFOA及其盐+是指其酸/盐，包括全氟辛酸(CAS No.: 335-67-1)，全氟辛酸钠 (CAS No.: 335-95-5)，全氟辛酸钾 (CAS No.: 2395-00-8)， 全氟辛酸银 (CAS No.: 335-93-3)， 全氟辛酰氟 (CAS No.: 335-66-0) 和 全氟辛酸铵 (CAS No.: 3825-26-1) 。

[redacted]

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检测方法： 参考AfPS GS 2019:01 PAK方法检测，采用 GC-MS进行分析。

检测项目	单位	MDL	002
苯并(a)芘 (BaP)	mg/kg	0.1	ND
苯并(e)芘 (BeP)	mg/kg	0.1	ND
苯并(a)蒽 (BaA)	mg/kg	0.1	ND
苯并(b)荧蒽 (BbF)	mg/kg	0.1	ND
苯并(j)荧蒽 (BjF)	mg/kg	0.1	ND
苯并 (k)荧蒽 (BkF)	mg/kg	0.1	ND
䓛 (CHR)	mg/kg	0.1	ND
二苯并(a,h)蒽(DBA)	mg/kg	0.1	ND
苯并(g,h,i)苝(二萘嵌苯) (BPE)	mg/kg	0.1	ND
茚苯(1,2,3-c,d)芘 (IPY)	mg/kg	0.1	ND
菲 (PHE)	mg/kg	0.1	ND
芘 (PYR)	mg/kg	0.1	ND
蒽 (ANT)	mg/kg	0.1	ND
荧蒽 (FLT)	mg/kg	0.1	ND
4项多环芳香烃总和[菲 (PHE),芘 (PYR),蒽 (ANT),荧蒽 (FLT)]	mg/kg	-	ND
萘 (NAP)	mg/kg	0.1	ND
15项多环芳香烃总和	mg/kg	-	ND

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AfPS（德国产品安全委员会）:多环芳香烃的要求

参数 单位：mg/kg	1类	2类		3类	
	设计意图为放入口中的材料，或与皮肤长期接触（超过30秒）的材料用于 -2009/48/EC定义的玩具，或 -供3岁以下儿童[a,b]使用。	不属于第1类，设计意图或可预见[c]与皮肤长期接触（超过30秒）或短期重复接触[c]的材料		不属于第1和2类，设计意图或可预见与皮肤短期接触（不超过30秒）材料	
		a.供儿童使用的产品	b.其他产品	a.供儿童使用的产品	b.其他产品
苯并(a)芘 (BaP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(e)芘 (BeP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(a)蒽 (BaA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(b)荧蒽 (BbF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(j)荧蒽 (BjF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并 (k)荧蒽 (BkF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
䓛 (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
二苯并(a,h)蒽 (DBA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(g,h,i)苝(二萘嵌苯) (BPE)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚苯(1,2,3-c,d)芘 (IPY)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
菲 (PHE)，芘 (PYR)，蒽 (ANT)，荧蒽 (FLT)	< 1 （总和）	< 5 （总和）	< 10 （总和）	< 20 （总和）	< 50 （总和）
萘 (NAP)	< 1	< 2		< 10	
15 PAH之和	<1	< 5	< 10	< 20	< 50

注释:
[a] 儿童是指法定年龄未满 14 周岁的人。
[b] 供儿童使用包括儿童的主动接触或被动接触。
[c] "短期重复接触"的定义摘自 REACH 附录 XVII 第 50 条修正案（(EC) No. 1272/2013）。
[d] 根据德国产品安全法（ProdSG）（第一章第 2 条第 28 款）的定义，"可预见的使用"是指将产品投放市场的人无意但可以合理预见的方式使用产品。
备注:
德国产品安全委员会（AfPS）于 2020 年 4 月 10 日发布了关于多环芳香烃（PAHs）的新文件（AfPS GS 2019:01 PAK），该文件将于 2020 年 7 月 1 日起用于 GS-MARK 认证。

[redacted]

检测方法： 参照EN 14372: 2004的方法测定, 采用GC-MS进行分析.

检测项目	CAS NO.	单位	MDL	002
邻苯二甲酸二丁酯(DBP)	84-74-2	%	0.003	ND
邻苯二甲酸丁苄酯 (BBP)	85-68-7	%	0.003	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	117-81-7	%	0.003	ND
邻苯二甲酸二异壬酯 (DINP)	28553-12-0/ 68515-48-0	%	0.01	ND
邻苯二甲酸二正辛酯 (DNOP)	117-84-0	%	0.003	ND
邻苯二甲酸二异癸酯 (DIDP)	26761-40-0 /68515-49-1	%	0.01	ND
邻苯二甲酸二正己酯(DnHP)	84-75-3	%	0.003	ND

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检测项目	CAS NO.	单位	MDL	002
邻苯二甲酸二异丁酯(DIBP)	84-69-5	%	0.003	ND

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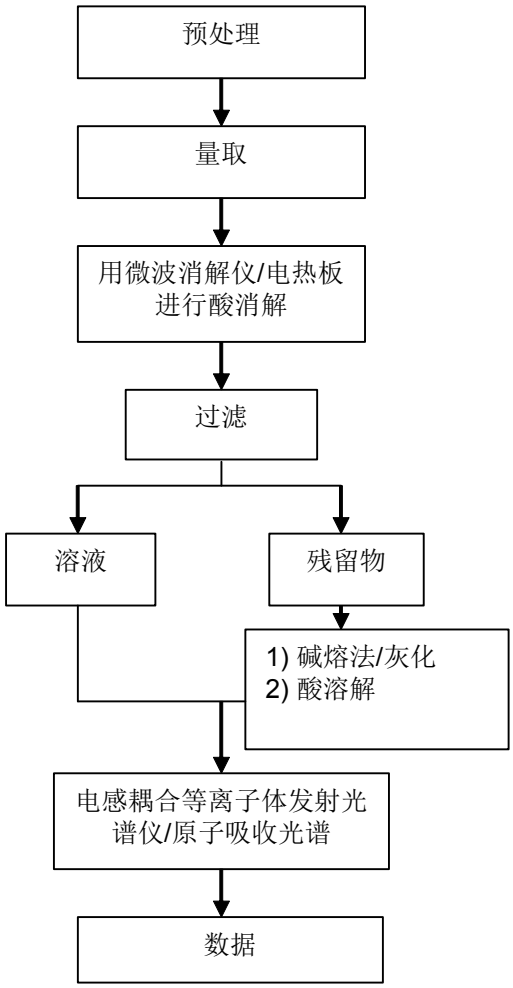
附件

元素(IEC62321) 检测流程图

1) 样品按照下述流程被完全消解



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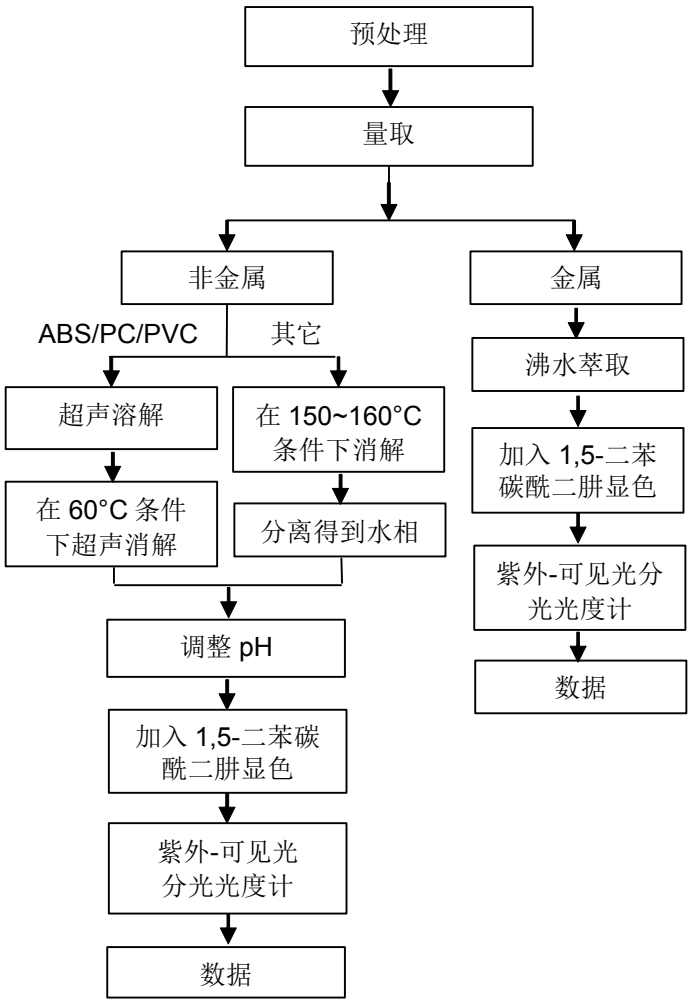
六价铬检测流程图



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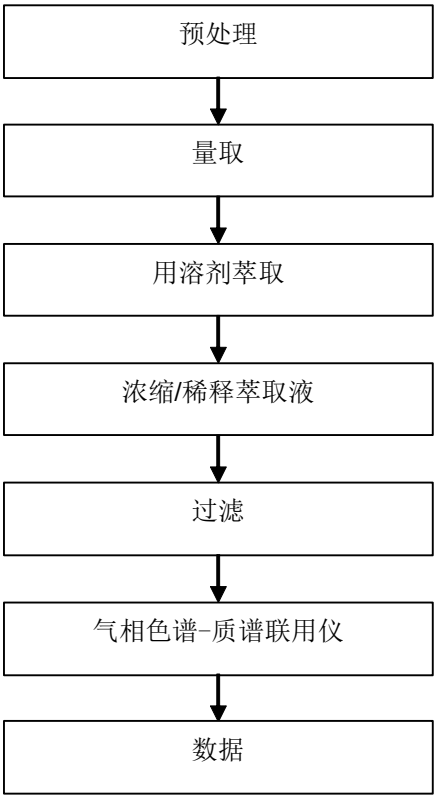
PBBs/PBDEs 检测流程图



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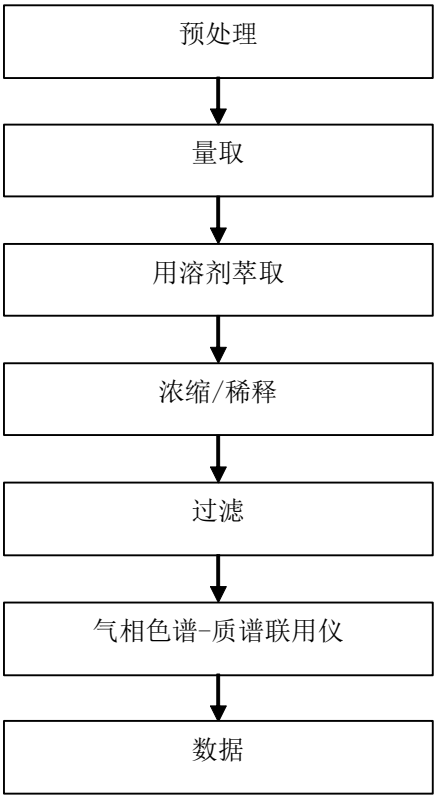
附件

Phthalates 检测流程图



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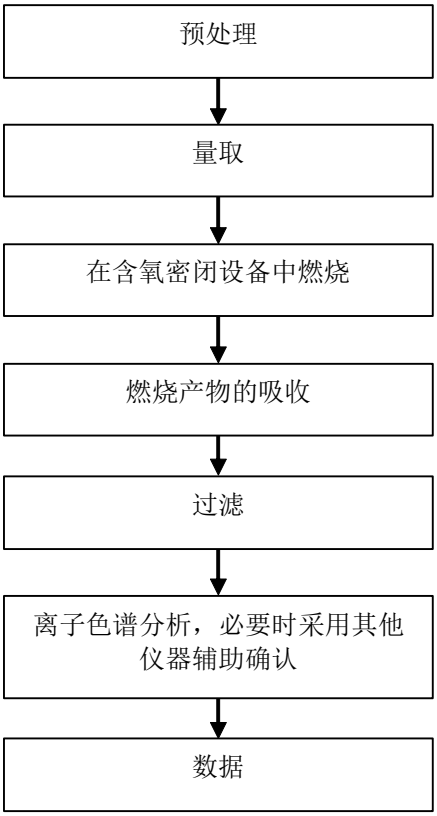
附件

卤素检测流程图



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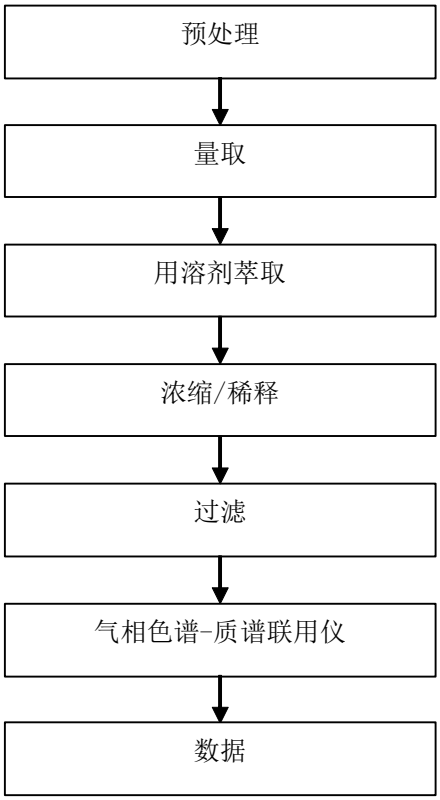
HBCDD 测试流程图



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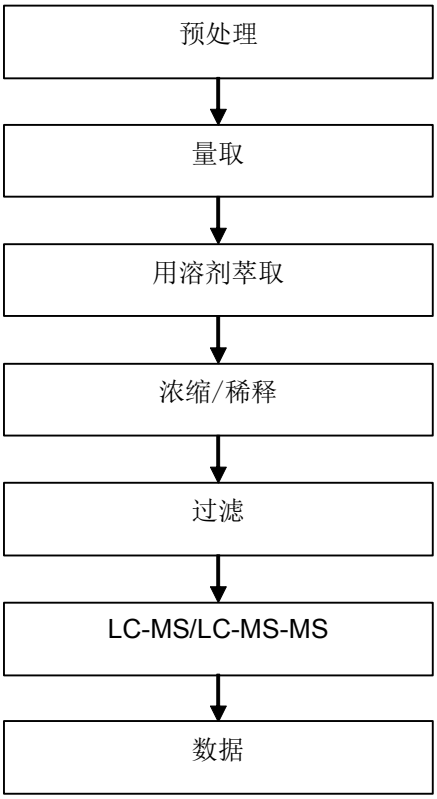
PFASs/ PFOS/PFOA 检测流程图



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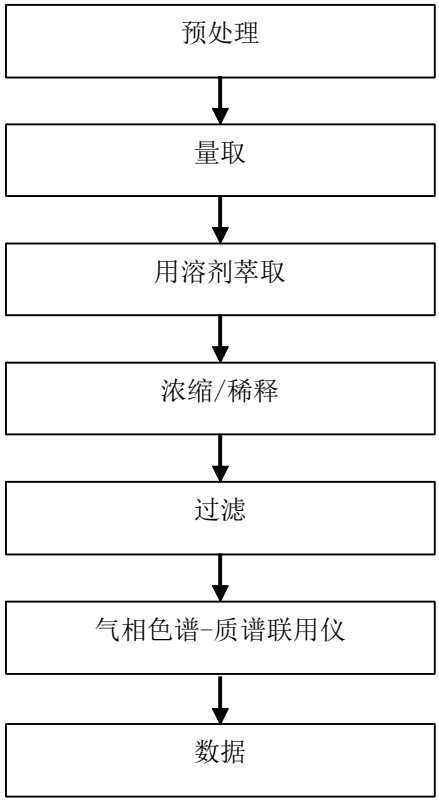
PAHs 检测流程图



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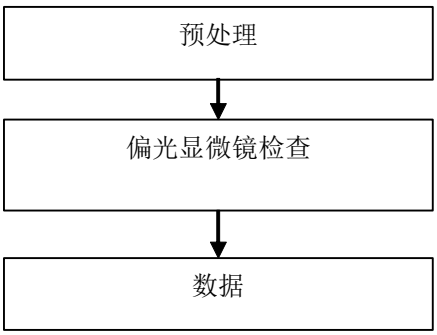
Asbestos 检测流程图



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样品照片:

SHA22-159492.002

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[redacted]

客户名称：　上海国纪电子材料有限公司
客户地址：　上海市松江区工业园区宝胜路33号

样品名称：　FR-4.1无卤素环氧玻纤板
以上样品及信息由客户提供。

SGS工作编号：　SP22-026922 - SH
样品接收日期：　2022年11月11日
检测周期：　2022年11月11日 - 2022年11月17日
检测要求：　根据客户要求，
(i) 基于欧洲化学品管理署截止2022年6月10日公布的供授权审议的高关注物质候选清单(根据欧盟第1907/2006号REACH法规)，对224种高关注物质(SVHC)进行筛分检测。
(ii) 基于欧洲化学品管理署截止2022年9月2日公布的潜在的高关注物质咨询清单(根据欧盟第1907/2006号REACH法规)，对9种高关注物质(SVHC)进行筛分检测。
检测结果：　请参见下一页

总结：

根据具体的范围和筛分检测，所提交样品中SVHC检测结果≤ 0.1% (w/w)。	通过

通标标准技术服务（上海）有限公司
授权签名

盛雯舒

Sue Sheng盛雯舒
批准签署人

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备注：

1. 本报告所涉及的关于特定高关注物质的化学分析是根据欧洲化学品管理署发布的下列文件，利用现有的分析技术完成的。
   http://echa.europa.eu/web/guest/candidate-list-table
   这些文件清单由欧洲化学品管理署评估, 将来可能会有变化。
2. REACH法规义务：
   2.1关于物品：
   告知：
   欧盟第1907/2006（EC）号法规第33条规定，含有满足第57条中的标准并根据第59条第一款被确定且质量分数大于0.1%的物质的物品的所有供应商应向物品接受者提供其可获取的充足信息，以使物品使用安全，这些信息至少包括含有的候选清单中物质的名称。

   通报：
   根据欧盟第1907/2006（EC）号法规，如果满足以下两个条件，如果物质符合第57条中的标准并根据第59条第一款被确定，物品的任何欧洲制造商或进口商应根据第7条第4款向欧盟化学品管理署进行通报：(a) 候选清单中的物质在物品中的总含量超过1吨/年/生产商或进口商；(b) 候选清单中的物质在物品中的总含量以质量分数计超过0.1% 的浓度。

   SGS采用欧盟法院对REACH物品定义的裁定，除非另有说明。详细的解释请见下列网址：
   http://www.sgs.com/-/media/global/documents/technical-documents/technical-bulletins/sgs-crs-position-statement-on-svhc-in-articles-a4-en-16-06.pdf?la=en

   2.2 关于材料：
   报告中的检测结果是基于检测样品。如样品是均一材质，当其构成成品时，此结果不能代表成品中的SVHC浓度。如样品为均一材质等比例合测，这些材质也可能来自不同的物品。

   如果样品是一种物质或混合物，并且直接出口到欧盟，客户有责任遵守欧盟第1907/2006号REACH法规第31 条供应链信息传递的义务和附件十四中的授权高关注物质授权的责任。

   2.3 关于物质和配制品：
   如果样品中高关注物质的浓度超过0.1% (w/w)和/或欧盟第1272/2008号CLP法规及其修订中设定的特殊浓度限值，建议客户根据欧盟第1907/2006号REACH法规对有关高关注物质准备安全数据表(SDS)以符合供应链通信的义务，如
   -根据欧盟第1272/2008号CLP法规被列为有害物质。
   -根据欧盟第1272/2008号CLP法规被列为有害混合物，而当中物质的浓度大于或等于欧盟第1272/2008号CLP法规列出的浓度限值;或
   -根据欧盟第1272/2008号CLP法规并未列为有害混合物，但包含：
   (a) 对人类健康或环境有害的物质，而在固体或液体混合物（即非气体混合物）中其浓度≥1％(w/w)或在气体混合物中占体积≥0.2％，或
   (b) PBT或vPvB物质，在固体或液体混合物（即非气体混合物）中个别浓度≥0.1％(w/w)，或
   (c) 授权审议的高关注物质候选清单上的物质（除上述以外的原因）在个别非气体混合物中的浓度≥0.1％(w/w)，或

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(d) 设有欧洲范围内工作场所接触限值的物质。

3. 如果样品中SVHC的检测结果超过报告限，建议客户进一步定量分析检测含有SVHC的组分并且得到SVHC物质的准确浓度。

[redacted]

检测样品描述：

[redacted]

SN1 SHA22-159500.002 铜色/棕色固体板

[redacted]

SGS内部方法-SHTC-CHEM-SOP-97-T, SHTC-CHEM-SOP-302-T ，采用ICP-OES、UV-VIS、GC-MS、HPLC-DAD/MS和比色法分析。

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[redacted]

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
-	所有检测的候选清单中的SVHC	-	ND	-

[redacted]

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
-	所有检测的潜在的SVHC	-	ND	-

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注释：

(1) 上表仅显示检出的SVHC，低于RL的SVHC没有列出。所有检测的SVHC请参见附录。
(2) RL = 报告限（当检测结果 ≥ RL时显示数据。RL不同于法规限值。）
ND = 未检出(< RL)，ND针对SVHC物质。
(3) * 检测结果是由选定的元素的结果并基于最坏的情况计算得出；
** 检测结果是由选定的标记物的结果并基于最坏的情况计算得出。
硼化合物的结果由ICP-OES检测的水提取硼元素结果换算得出。
四氧化二硼钡的结果由ICP-OES检测的水提取硼和钡元素结果换算得出。
RL = 0.005% 是针对元素 (例如钴、砷 、铅 、铬 (VI) 、铝、锆、硼、锶、锌、锑、钛、钡、镉)，除了钼的RL= 0.0005%，硼的RL= 0.0025%(仅对四氟硼酸铅) ，氟的RL=0.050%。
(4) § 只有当物质包含米氏酮(CAS No.: 90-94-8) 或米氏碱(CAS No.: 101-61-1) 的浓度≥ 0.1%(w / w) 的情况下，该物质才被提议定为SVHC。
(5) / = 潜在的SVHC
除非另有说明，参照ILAC-G8:09/2019，使用简单接受（w=0）的二元判定规则进行符合性判定。
除非另有说明，此报告结果仅对检测的样品负责。本报告未经本公司书面许可，不可部分复制。
检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的，仅供内部参考。

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I	1	4,4'-二氨基二苯甲烷(MDA)	101-77-9	0.050
I	2	2,4,6-三硝基-5-叔丁基间二甲苯(二甲苯麝香)	81-15-2	0.050
I	3	C10-13 氯代烃(短链氯化石蜡)	85535-84-8	0.050
I	4	蒽	120-12-7	0.050
I	5	邻苯二甲酸丁苄酯(BBP)	85-68-7	0.050
I	6	邻苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	0.050
I	7	氧化双三丁基锡(TBTO)	56-35-9	0.050
I	8	二氯化钴*	7646-79-9	0.005
I	9	五氧化二砷*	1303-28-2	0.005
I	10	三氧化二砷*	1327-53-3	0.005
I	11	邻苯二甲酸二丁酯(DBP)	84-74-2	0.050
I	12	六溴环十二烷(HBCDD) 及其非对映异构体(α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	砷酸氢铅*	7784-40-9	0.005
I	14	重铬酸钠*	7789-12-0, 10588-01-9	0.005
I	15	三乙基砷酸酯*	15606-95-8	0.005
II	16	2,4-二硝基甲苯	121-14-2	0.050
II	17	丙烯酰胺	79-06-1	0.050
II	18	蒽油**	90640-80-5	0.050
II	19	蒽油，蒽糊**	90640-81-6	0.050
II	20	蒽油，蒽糊，蒽馏分**	91995-15-2	0.050

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II	21	蒽油，蒽糊，轻油**	91995-17-4	0.050
II	22	蒽油，含蒽量少**	90640-82-7	0.050
II	23	邻苯二甲酸二异丁酯	84-69-5	0.050
II	24	钼铬红(C.I.颜料红104)*	12656-85-8	0.005
II	25	铬酸铅*	7758-97-6	0.005
II	26	铅铬黄(C.I.颜料黄34)*	1344-37-2	0.005
II	27	沥青，煤焦油，高温**	65996-93-2	0.050
II	28	磷酸三(2-氯乙基)酯	115-96-8	0.050
III	29	重铬酸铵*	7789-09-5	0.005
III	30	硼酸*	-	0.005
III	31	无水四硼酸钠*	1303-96-4, 1330-43-4, 12179-04-3	0.005
III	32	铬酸钾*	7789-00-6	0.005
III	33	重铬酸钾*	7778-50-9	0.005
III	34	铬酸钠*	7775-11-3	0.005
III	35	水合硼酸钠*	12267-73-1	0.005
III	36	三氯乙烯	79-01-6	0.050
IV	37	乙二醇乙醚	110-80-5	0.050
IV	38	乙二醇单甲醚	109-86-4	0.050
IV	39	铬酸, 铬酸及重铬酸低聚物, 重铬酸*	-	0.005

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IV	40	三氧化铬*	1333-82-0	0.005
IV	41	碳酸钴*	513-79-1	0.005
IV	42	乙酸钴*	71-48-7	0.005
IV	43	硝酸钴*	10141-05-6	0.005
IV	44	硫酸钴*	10124-43-3	0.005
V	45	1,2,3-三氯丙烷	96-18-4	0.050
V	46	1,2-苯二酸-二(C6-8支链)烷基酯(富C7)	71888-89-6	0.050
V	47	1,2-苯二酸-二(C7-11支链与直链)烷基(醇)酯	68515-42-4	0.050
V	48	1-甲基-2-吡咯烷酮	872-50-4	0.050
V	49	乙二醇乙醚醋酸酯	111-15-9	0.050
V	50	联氨	7803-57-8, 302-01-2	0.050
V	51	铬酸锶*	7789-06-2	0.005
VI	52	1,2-二氯乙烷	107-06-2	0.050
VI	53	4,4'-二氨基-3,3'-二氯二苯甲烷	101-14-4	0.050
VI	54	2-甲氧基苯胺	90-04-0	0.050
VI	55	对特辛基苯酚	140-66-9	0.050
VI	56	硅酸铝耐火陶瓷纤维*	-	0.005
VI	57	砷酸*	7778-39-4	0.005
VI	58	二乙二醇二甲醚	111-96-6	0.050
VI	59	邻苯二甲酸二甲氧基乙酯	117-82-8	0.050

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VI	60	砷酸钙*	7778-44-1	0.005
VI	61	铬酸铬*	24613-89-6	0.005
VI	62	甲醛与苯胺的低聚物	25214-70-4	0.050
VI	63	叠氮化铅*	13424-46-9	0.005
VI	64	苦味酸铅*	6477-64-1	0.005
VI	65	史蒂芬酸铅*	15245-44-0	0.005
VI	66	N,N-二甲基乙酰胺	127-19-5	0.050
VI	67	氢氧化铬酸锌*	49663-84-5	0.005
VI	68	酚酞	77-09-8	0.050
VI	69	氢氧化铬酸锌钾*	11103-86-9	0.005
VI	70	砷酸铅*	3687-31-8	0.005
VI	71	氧化锆硅酸铝耐火陶瓷纤维*	-	0.005
VII	72	C.I.碱性蓝26§	2580-56-5	0.050
VII	73	C.I.碱性紫3§	548-62-9	0.050
VII	74	三乙二醇二甲醚(TEGDME)	112-49-2	0.050
VII	75	乙二醇二甲醚(EGDME)	110-71-4	0.050
VII	76	4,4'-二(二甲氨基)二苯甲酮(米氏酮)	90-94-8	0.050
VII	77	4,4'-二(二甲氨基)-4''-甲氨基三苯甲醇§	561-41-1	0.050
VII	78	三氧化二硼*	1303-86-2	0.005
VII	79	甲酰胺	75-12-7	0.050
VII	80	甲基磺酸铅*	17570-76-2	0.005

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VII	81	N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷(米氏碱)	101-61-1	0.050
VII	82	1,3,5-三(环氧乙基甲基)-1,3,5-三嗪-2,4,6-(1H, 3H,5H)-三酮(TGIC)	2451-62-9	0.050
VII	83	C.I.溶剂蓝4§	6786-83-0	0.050
VII	84	1,3,5-三-[(2S和2R)-2,3-环氧丙基]-1,3,5-三嗪-2,4,6-(1H, 3H, 5H)-三酮(β-TGIC)	59653-74-6	0.050
VIII	85	二盐基邻苯二甲酸铅*	69011-06-9	0.005
VIII	86	1,2-苯二酸-二(支链与直链)戊基酯	84777-06-0	0.050
VIII	87	乙二醇二乙醚	629-14-1	0.050
VIII	88	1-溴丙烷	106-94-5	0.050
VIII	89	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷	143860-04-2	0.050
VIII	90	对特辛基苯酚乙氧基醚	-	0.050
VIII	91	4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	0.050
VIII	92	4,4'-二氨基二苯醚及其盐	101-80-4	0.050
VIII	93	4-氨基偶氮苯	60-09-3	0.050
VIII	94	2,4-二氨基甲苯	95-80-7	0.050
VIII	95	4-壬基(支链与直链)苯酚	-	0.050
VIII	96	2-甲氧基-5-甲基苯胺	120-71-8	0.050
VIII	97	碱式乙酸铅*	51404-69-4	0.005
VIII	98	4-氨基联苯	92-67-1	0.050
VIII	99	十溴二苯醚(DecaBDE)	1163-19-5	0.050
VIII	100	环己烷-1,2-二羧酸酐,顺式-环己烷-1,2-二羧酸酐,反式-环己烷-1,2-二羧酸酐	-	0.050

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VIII	101	偶氮二甲酰胺	123-77-3	0.050
VIII	102	二丁基二氯化锡(DBTC)	683-18-1	0.050
VIII	103	硫酸二乙酯	64-67-5	0.050
VIII	104	邻苯二甲酸二异戊酯	605-50-5	0.050
VIII	105	硫酸二甲酯	77-78-1	0.050
VIII	106	地乐酚	88-85-7	0.050
VIII	107	双(十八酸基)二氧代三铅*	12578-12-0	0.005
VIII	108	C16-18-脂肪酸铅*	91031-62-8	0.005
VIII	109	呋喃	110-00-9	0.050
VIII	110	全氟十一烷酸	2058-94-8	0.050
VIII	111	全氟十四烷酸	376-06-7	0.050
VIII	112	甲基六氢邻苯二甲酸酐,4-甲基六氢邻苯二甲酸酐,1-甲基六氢邻苯二甲酸酐,3-甲基六氢邻苯二甲酸酐	-	0.050
VIII	113	四氟硼酸铅*	13814-96-5	0.005
VIII	114	氨基氰铅盐*	20837-86-9	0.005
VIII	115	硝酸铅*	10099-74-8	0.005
VIII	116	一氧化铅*	1317-36-8	0.005
VIII	117	碱式硫酸铅*	12036-76-9	0.005
VIII	118	四氧化三铅*	1314-41-6	0.005
VIII	119	钛酸铅*	12060-00-3	0.005
VIII	120	钛酸铅锆*	12626-81-2	0.005

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VIII	121	甲氧基乙酸	625-45-6	0.050
VIII	122	1,2-环氧丙烷	75-56-9	0.050
VIII	123	N,N-二甲基甲酰胺	68-12-2	0.050
VIII	124	N-甲基乙酰胺	79-16-3	0.050
VIII	125	邻苯二甲酸正戊基异戊基酯	776297-69-9	0.050
VIII	126	邻-氨基偶氮甲苯	97-56-3	0.050
VIII	127	2-氨基甲苯	95-53-4	0.050
VIII	128	全氟十三烷酸	72629-94-8	0.050
VIII	129	硫酸四氧化五铅*	12065-90-6	0.005
VIII	130	铅锑黄*	8012-00-8	0.005
VIII	131	掺杂铅的硅酸钡*	68784-75-8	0.005
VIII	132	硅酸铅*	11120-22-2	0.005
VIII	133	二碱式亚硫酸铅*	62229-08-7	0.005
VIII	134	四乙基铅*	78-00-2	0.005
VIII	135	硫酸三氧化四铅*	12202-17-4	0.005
VIII	136	全氟十二烷酸	307-55-1	0.050
VIII	137	碱式碳酸铅*	1319-46-6	0.005
VIII	138	二碱式亚磷酸铅*	12141-20-7	0.005
IX	139	4-壬基(支链与直链)苯酚乙氧基醚	-	0.050
IX	140	全氟辛酸铵(APFO)**	3825-26-1	0.050
IX	141	氧化镉*	1306-19-0	0.005

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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
IX	142	镉	7440-43-9	0.005
IX	143	邻苯二甲酸二正戊酯(DPP)	131-18-0	0.050
IX	144	全氟辛酸(PFOA)	335-67-1	0.050
X	145	硫化镉*	1306-23-6	0.005
X	146	邻苯二甲酸二正己酯	84-75-3	0.050
X	147	C.I.直接红28	573-58-0	0.050
X	148	C.I.直接黑38	1937-37-7	0.050
X	149	2-巯基咪唑啉	96-45-7	0.050
X	150	乙酸铅*	301-04-2	0.005
X	151	磷酸三二甲苯酯	25155-23-1	0.050
XI	152	邻苯二甲酸二(支链与直链)己基酯	68515-50-4	0.050
XI	153	氯化镉*	10108-64-2	0.005
XI	154	水合过硼酸钠*	-	0.005
XI	155	过硼酸钠*	7632-04-4	0.005
XII	156	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚(UV-328)	25973-55-1	0.050
XII	157	2-苯并三唑-2-基-4,6-二叔丁基苯酚(UV-320)	3846-71-7	0.050
XII	158	二正辛基-双(2-乙基己基巯基乙酸酯)锡 (DOTE)	15571-58-1	0.050
XII	159	氟化镉 *	7790-79-6	0.005
XII	160	硫酸镉 *	10124-36-4,31119-53-6	0.005
XII	161	二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)和单辛基-三(2-乙基己基巯基乙酸酯)锡(MOTE)的反应物	-	0.050

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XIII	162	1,2-苯二甲酸, 二(C6-10)烷基酯 / 1,2-苯二甲酸, 混合二己二辛二癸酯, 其中邻苯二甲酸二己酯含量≥0.3%	-	0.050
XIII	163	5-二级丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1]，5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]	-	0.050
XIV	164	1,3-丙磺酸内酯	1120-71-4	0.050
XIV	165	2,4-二叔丁基-6-(5-氯苯并三唑-2-基)苯酚(UV-327)	3864-99-1	0.050
XIV	166	2-(2H-苯并三唑-2-基)-4-叔丁基-6-仲丁基苯酚 (UV-350)	36437-37-3	0.050
XIV	167	硝基苯	98-95-3	0.050
XIV	168	全氟壬酸及其钠盐和铵盐	-	0.050
XV	169	苯并(a)芘	50-32-8	0.050
XVI	170	4,4'-异亚丙基联苯酚 (双酚A)	80-05-7	0.050
XVI	171	4-庚基(支链与直链)苯酚	-	0.050
XVI	172	全氟癸酸 (PFDA) 及其钠盐和铵盐	-	0.050
XVI	173	对叔戊基苯酚	80-46-6	0.050
XVII	174	全氟己烷-1-磺酸及其盐	-	0.050
XVIII	175	双(六氯环戊二烯)环辛烷(包含任何顺式与反式同分异构体或其组合)	-	0.050
XVIII	176	苯并蒽(BaA)	56-55-3	0.050
XVIII	177	硝酸镉*	10325-94-7	0.005
XVIII	178	碳酸镉*	513-78-0	0.005
XVIII	179	氢氧化镉*	21041-95-2	0.005
XVIII	180	屈(CHR)	218-01-9	0.050

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XVIII	181	1,3,4-噻二唑-2,5-二硫酮、甲醛与支链和直链4-庚基苯酚的反应产物(RP-HP)[含有支链和直链4-庚基苯酚重量比≥0.1%]	-	0.050
XIX	182	1,2,4-苯三酸酐(偏苯三酸酐)(TMA)	552-30-7	0.050
XIX	183	苯并(g,h,i)苝(二萘嵌苯) (BPE)	191-24-2	0.050
XIX	184	十甲基环五硅氧烷(D5)	541-02-6	0.050
XIX	185	邻苯二甲酸二环己酯(DCHP)	84-61-7	0.050
XIX	186	氧化硼钠*	12008-41-2	0.005
XIX	187	十二甲基环六硅氧烷(D6)	540-97-6	0.050
XIX	188	乙二胺(EDA)	107-15-3	0.050
XIX	189	铅	7439-92-1	0.005
XIX	190	八甲基环四硅氧烷(D4)	556-67-2	0.050
XIX	191	氢化三联苯	61788-32-7	0.050
XX	192	1,7,7-三甲基-3-(苯基亚甲基)双环[2.2.1]庚-2-酮 (3-亚苄基樟脑)	15087-24-8	0.050
XX	193	4,4'-(1,3-二甲基丁基)二苯酚(1,3-DMBBP)	6807-17-6	0.050
XX	194	苯并 (k)荧蒽(BkF)	207-08-9	0.050
XX	195	荧蒽(FLT)	206-44-0	0.050
XX	196	菲(PHE)	85-01-8	0.050
XX	197	芘(PYR)	129-00-0	0.050
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(包括单体和组合)(HFPO-DA)	-	0.050
XXI	199	2-甲氧基乙基乙酸酯	110-49-6	0.050
XXI	200	4-叔丁基苯酚(PTBP)	98-54-4	0.050

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XXI	201	三(4-壬基苯基，支链和直链)亚磷酸酯(TNPP)(含≥0.1%的支链和直链4-壬基苯酚)	-	0.050
XXII	202	2-苄基-2-二甲基氨基-4'-吗啉基苯基丁酮	119313-12-1	0.050
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮	71868-10-5	0.050
XXII	204	邻苯二甲酸二异己酯	71850-09-4	0.050
XXII	205	全氟丁烷磺酸及其盐	-	0.050
XXIII	206	1-乙烯基咪唑	1072-63-5	0.050
XXIII	207	2-甲基咪唑	693-98-1	0.050
XXIII	208	对羟基苯甲酸丁酯	94-26-8	0.050
XXIII	209	双(乙酰丙酮基)二丁基锡**	22673-19-4	0.050
XXIV	210	四乙二醇二甲醚	143-24-8	0.050
XXIV	211	二月桂酸二辛基锡及任何其他二辛基锡双(脂肪酰氧基)衍生物**	-	0.050
XXV	212	1,4-二氧六环	123-91-1	0.050
XXV	213	二溴新戊二醇(BMP); 三溴新戊醇(TBNPA); 2,3-二溴-1-丙醇(2,3-DBPA)	-	0.050
XXV	214	铃兰醛及其立体异构体	-	0.050
XXV	215	双酚B	77-40-7	0.050
XXV	216	戊二醛	111-30-8	0.050
XXV	217	中链氯化石蜡(MCCP)	-	0.050
XXV	218	原硼酸钠盐*	13840-56-7	0.005
XXV	219	对十二烷基苯酚及其异构体(PDDP)	-	0.050

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XXVI	220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]二环[2.2.1]庚-2-酮，包括各个异构体和/或其组合(4-MBC)	-	0.050
XXVI	221	2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚) (DBMC)	119-47-1	0.050
XXVI	222	S-(三环[5.2.1.0'2,6]癸-3-烯-8(或9)-基) O-(异丙基或异丁基或2-乙基己基) O-(异丙基或异丁基或2-乙基己基)二硫代磷酸酯	255881-94-8	0.050
XXVI	223	乙烯基-三(2-甲氧基乙氧基)硅烷	1067-53-4	0.050
XXVII	224	N-羟甲基丙烯酰胺	924-42-5	0.050
/	225	1,2-双(2,4,6-三溴苯氧基)乙烷	37853-59-1	0.050
/	226	四溴双酚A	79-94-7	0.050
/	227	双酚S	80-09-1	0.050
/	228	四氧化二硼钡*	13701-59-2	0.005
/	229	四溴邻苯二甲酸双(2-乙基己基)酯	-	0.050
/	230	对羟基苯甲酸异丁酯	4247-02-3	0.050
/	231	三聚氰胺	108-78-1	0.050
/	232	全氟庚酸及其盐类	-	0.050
/	233	全氟异丙基吗啉和全氟丙基吗啉混合物*	-	0.050

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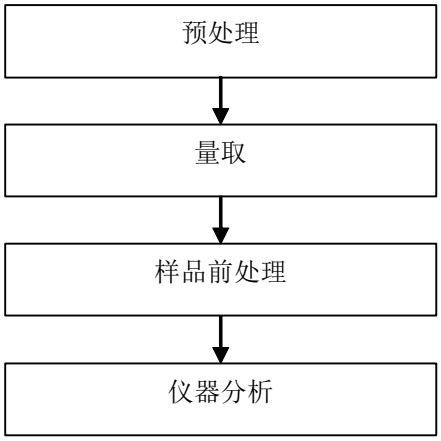
附件

SVHC 检测流程图



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CTI 华测检测

CMA 210900341277

CNAS 中国认可 国际互认 检测 TESTING CNAS L9541

检测报告
Test Report

报告编号 A2230532766101002E
Report No. A2230532766101002E

报告抬头公司名称 新东方油墨有限公司
Company Name shown on Report NEWEAST PRINTING INK CO.,LTD
地 址 浙江省嘉兴市桐乡崇福大道2320号
Address 2320 CHONGFU AVENUE,TONGXIANG CITY,ZHEJIANG

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	油墨
Sample Name	INK
样品型号	NSR-9000M1/W11
Part No.	NSR-9000M1/W11
样品接收日期	2023.10.16
Sample Received Date	Oct. 16, 2023
样品检测日期	2023.10.16-2023.10.20
Testing Period	Oct. 16, 2023 to Oct. 20, 2023

检测要求 根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)，邻苯二甲酸酯(DBP，BBP，DEHP，DIBP)进行测试。

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

检测依据/检测结果 请参见下页。
Test Method/Test Result(s) Please refer to the following page(s).

批 准
Approved by

陈凯敏
实验室经理 Lab Manager

日 期
Date 2023.10.20

No. R295824248

上海华测品标检测技术有限公司
Centre Testing International Pinbiao(Shanghai) Co., Ltd.

上海市闵行区万芳路1351号
No.1351, Wanfang Road, Minhang District, Shanghai, China

检测报告
Test Report

检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	IEC 62321-5:2013	ICP-OES
镉 Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017和/或IEC 62321-5:2013测试总铬含量 IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

检测报告
Test Report

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	002	
铅 Lead (Pb)	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	002	
多溴联苯 Polybrominated Biphenyls (PBBs)		
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	002	
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)		
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg

检测报告
Test Report

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	002	
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)		
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg

样品/部位描述Sample/Part Description

序号 No.	CTI样品ID CTI Sample ID	描述 Description
1	002	白色固体 White solid

备注: 对于检测铅，镉，汞之样品已消解完全。
-N.D. = 未检出（小于方法检出限）
-mg/kg = ppm = 百万分之一

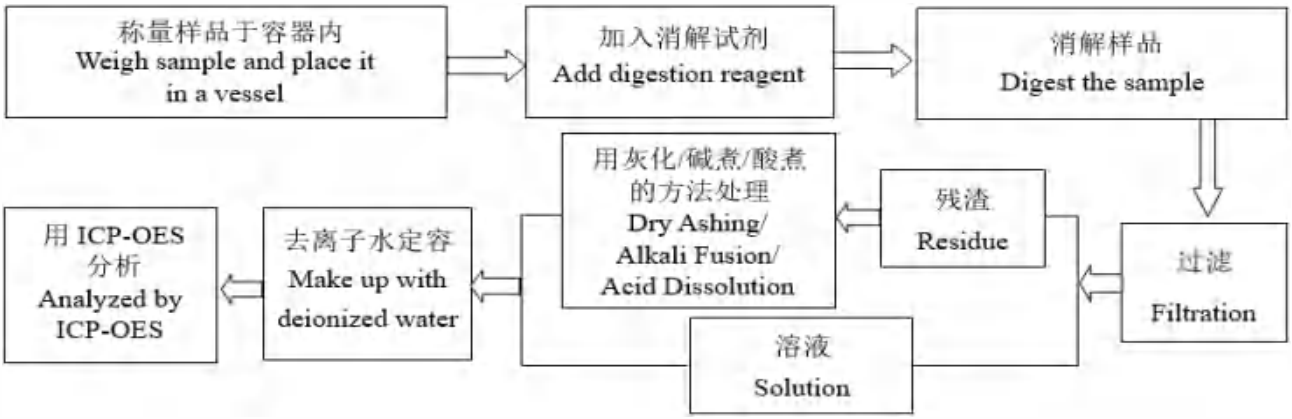
Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

检测报告
Test Report

检测流程 Test Process

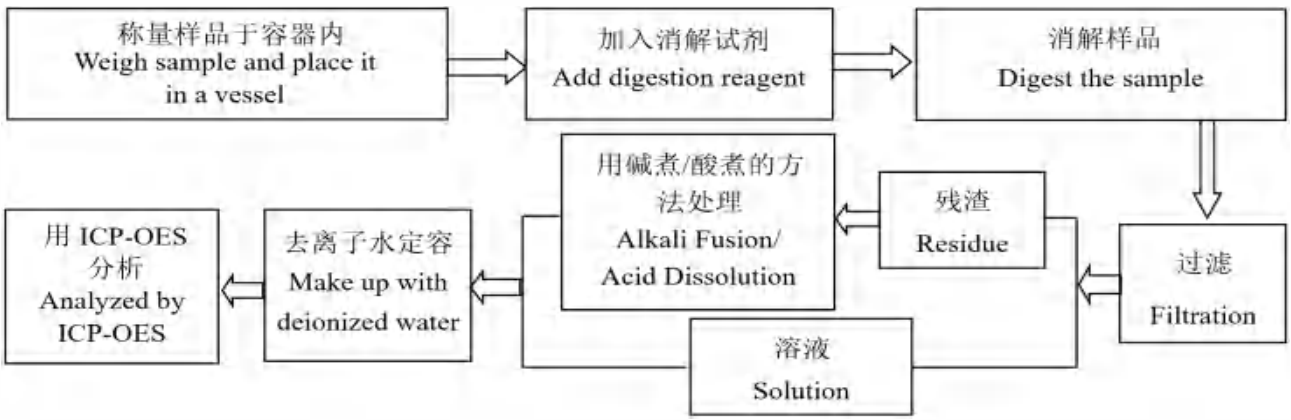
1. 铅(Pb)，镉(Cd)，铬(Cr)

Lead (Pb), Cadmium (Cd), Chromium (Cr)



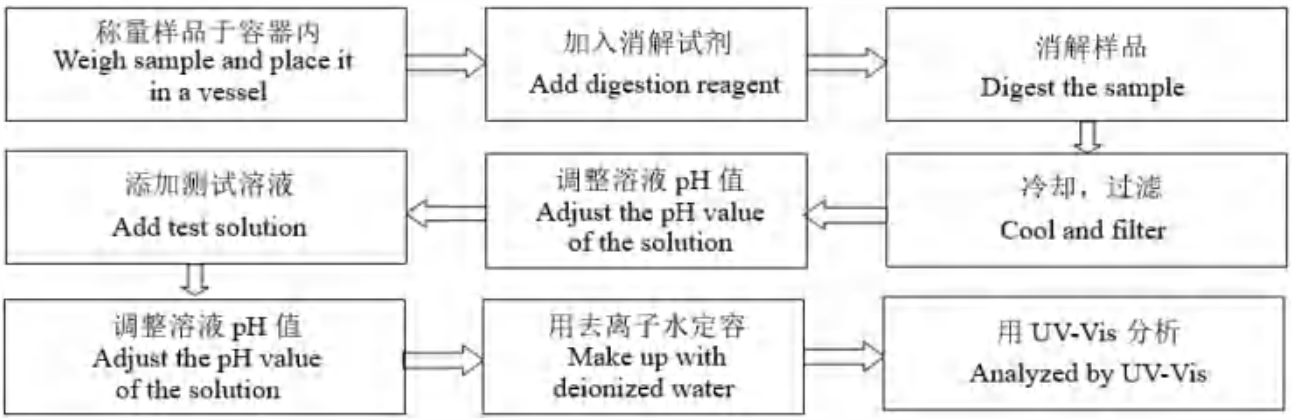
2. 汞(Hg)

Mercury (Hg)

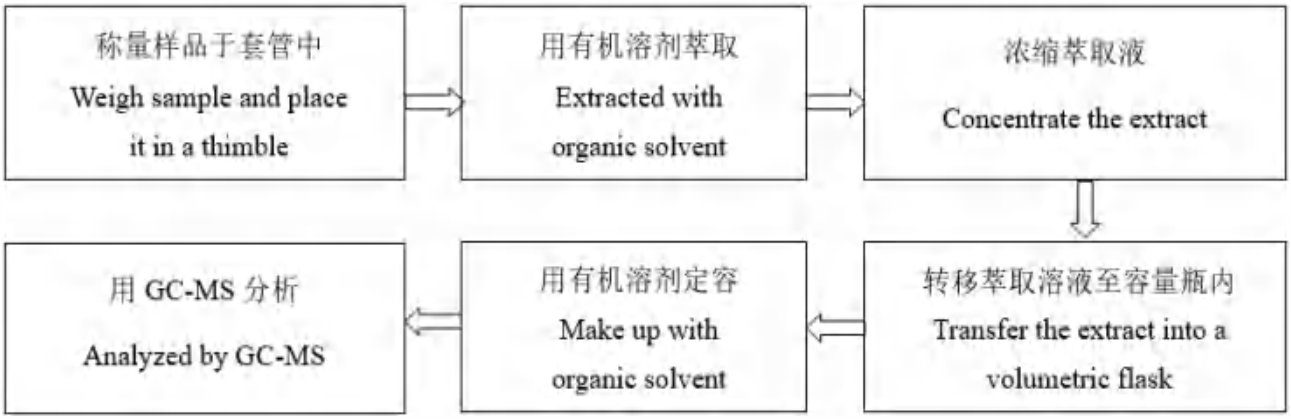


3. 六价铬(Cr(VI))

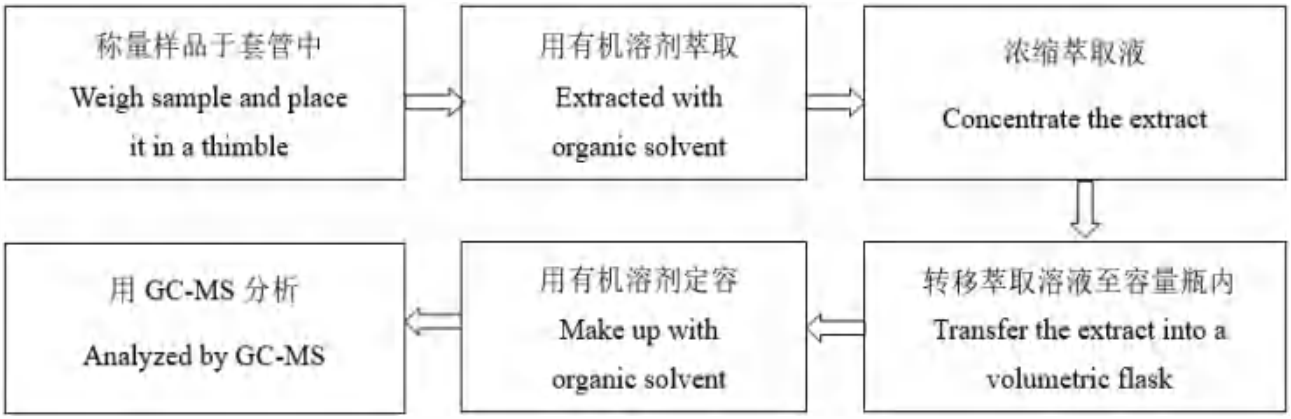
Hexavalent Chromium (Cr(VI))



4. 多溴联苯(PBBs)， 多溴二苯醚(PBDEs)
Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)

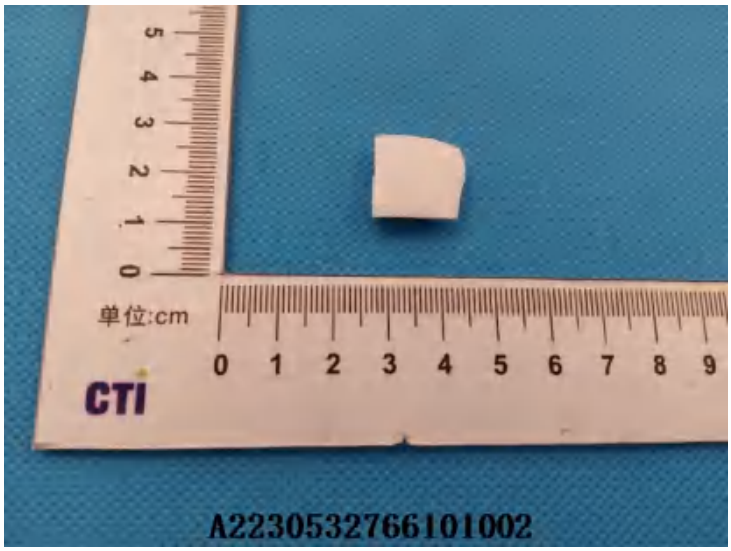


5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)
Phthalates (DBP, BBP, DEHP, DIBP)



检测报告
Test Report

样品图片
Photo(s) of the sample(s)



声明Statement：

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI未核实其真实性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未经CTI书面同意，不得部分复制本报告；
   Without written approval of CTI, this report can’t be reproduced except in full;
5. 如检测报告中的英文内容与中文内容有差异，以中文为准。
   In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

报告结束

*** End of report ***

附录Appendix

客户参考信息Client Reference Information

NSR-9000M1/W/ W2(LED)/
W3(LED)/W(LED)/WM/W66M/WD120/W50/WD150/WD300/WT2000/WT2001/WT2002/
WT2002(XH)/WT2003/WT2005/WT2000-5/WT2006/WT2007/WT2008/WT2009/WT2010
/WT2011/WT2012/WT2013/WT200/WT201/WT202
/WT203/WT205/WT207/WT208/WT209/WT210/WT211/WT212/WT4000/WT4001/WT4001(T)/WT4002/WT4003/W
T4005/WT4006/WT4007/WT4008/WT4009/WT4010/WT8001/WT502/WT400/WT401/WT402/WT403/WT405/WT40
6/WT407/WT408/WT409/WT410/WT412
(F/W)/(F/WD100)/(F/WM)/(F/WD200)/(F/W(LED))/ (F/W2(LED)) /(FW1)/(F/W2)/(F/W3)/(F/W5)/(F/W6)/(F/W7)/
[F/W7(H)]/(F/W11)/(F/W15)/(F/W11M)/(F/W12M)/(F/W13M)/(F/W15M)/(F/W18M)/(F/W11)/(F/W66)/(F/W50M)/
(F/WM-2)/(F/WM-7)/(F/WM-6)/(F/WM-8)/(F/WM-9)/(F/WM-10)/(F/WM-3)/(F/WM-5)/(F/WM-11)/
[F/W6(NS-411)]/PET4W/PET4W-1/PET4W-2/PET4W-3/PET4WM-1/PET4WM-1/PET4WM-2/PET4WM-3/PET4WM
-4/PET4WM-5/PET4WM-6/PET4WM-7/PET4WM-8/NS-411/W /[F/W(NS-411)]/[W1(NS-411)/W2(NS-411)]/
[W3(NS-411)]/[W6(NS-411)]/GY60/ GY70/ GY6M/ GYM/ GY9M/ GY1/ GY1M/ GY75/ GY75M/GY66/ (F/GY40)/
(F/GY80M)/ (F/GY50) / GY2M / (F/GY40M)/ (F/GY62M)/ (F/GY50M) /(F/GY6M)/ (F/GY75M)/ (F/GY9M)/ (F/GYM)
/ (F/GY)/ (F/GY2)/ (F/GY3)/ (F/GY2M)/ (F/GY3M)/ (F/GY5M)/ (F/GY7M)/ (F/GY11M) / (F/GY1M)/ (F/GY12M)/
(F/GY13M)/ (F/GY15M)/ (F/GY16M)/ (F/GY17M)/<F/GY(NS-411)>+HD-70(HF)/NSR-9000H1/NSR-9000H1F

声明Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI未核实其真实性。
   The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. 附录内容为A2230532766101002E报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2230532766101002E.

CTI 华测检测

检测报告
Test Report

报告编号 A2230450357101001E
Report No. A2230450357101001E

报告抬头公司名称 新东方油墨有限公司
Company Name shown on Report NEWEAST PRINTING INK CO.,LTD
地址 浙江省嘉兴市桐乡崇福大道 2320 号
Address 2320 CHONGFU AVENUE,TONGXIANG CITY,ZHEJIANG

以下测试之样品及样品信息由申请者提供并确认
The following sample(s)and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称 Sample Name	油墨 INK
样品型号 Part No.	NSR-9000M1F/W11 NSR-9000M1F/W11
样品接收日期 Sample Received Date	2023.09.01 Sep. 1, 2023
样品检测日期 Testing Period	2023.09.01-2023.09.08 Sep. 1, 2023 to Sep. 8, 2023

检测要求/检测依据/检测结果 请参见下页。
Test Requested/Test Method/Test Result(s) Please refer to the following page(s).

摘要

1.根据分析结果，所提交样品中二苯基(2,4,6-三甲基苯甲酰基)氧化膦的浓度大于 0.1%（w/w）。
2.根据分析结果,所提交样品中 1 种意向 SVHC 物质的浓度小于 0.1%（w/w）。
3.根据分析结果，所提交样品中 11 种潜在意向 SVHC 物质的浓度均小于 0.1%（w/w）。

Summary

1.According to the analytical results, concentrations of Diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide is more than0.1% (w/w) in the submitted sample(s).
2.According to the analytical results, concentration of 1 substance for intention for identification of SVHC is less than 0.1%(w/w) in the submitted sample(s).
3.According to the analytical results, concentrations of 11 potential intentional substances for identification of SVHC are all less than 0.1% (w/w) in the submitted sample(s).

批准 Approved by 陈凯敏 实验室经理 Lab Manager
日期 Date 2023.09.08

No. R295821383

上海华测品标检测技术有限公司
Centre Testing International Pinbiao(Shanghai) Co., Ltd.
上海市闵行区万芳路 1351 号
No.1351, Wanfang Road, Minhang District, Shanghai, China

检测报告
Test Report

检测要求	1.根据客户要求，参照法规(EC) No 1907/2006(REACH)，对所提交样品中 235 种高关注物质(SVHC)进行筛选测试。 2.根据客户要求，对由欧盟成员国向欧盟化学管理局(ECHA)所提交的 1 种于 2021 年 6 月 1 日公布意向成为法规(EC) No 1907/2006(REACH)中高关注度物质(SVHC)的候选物质进行筛选测试。 3.根据客户要求，对 11 种潜在意向 SVHC 物质进行筛选测试。
Test Requested	1.As specified by client, to screen the 235 substances of very high concern (SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s). 2.As specified by client, to screen the 1 substance published on June 1st 2021 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation(EC) No1907/2006 of REACH in the submitted sample(s). 3.As specified by client, to screen the 11 potential intentional substances for identification of SVHC in the submitted sample(s).

检测报告
Test Report

检测结果1Test Result(s) 1

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	浓度 Concentration (%) 001	报告检出限 Report Limit (%)
XXIX	234	二苯基(2,4,6-三甲基苯甲酰基)氧化膦 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	1.37	0.01
-	-	其他 SVHC 物质（见候选清单） Other tested SVHC (See the candidate list)	-	-	N.D.	-

检测结果 2 Test Result(s) 2

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	浓度 Concentration (%) 001	报告检出限 Report Limit(%)
-	-	所有意向 SVHC 物质（见意向 SVHC 物质清单（2021 年 6 月 1 日公布）） All tested intention for identification of SVHC(See the list of intention for identification of SVHC(Published on June 1st 2021))	-	-	N.D.	-

检测结果 3 Test Result(s) 3

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	浓度 Concentration (%) 001	报告检出限 Report Limit (%)
-	-	所有潜在意向 SVHC 物质（见物质清单） All tested potential intentional substances for identification of SVHC (See the substance list)	-	-	N.D.	-

检测依据 Test Method:

参考 US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 进行样品预处理。

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 for sample pretreatment.

采用 ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID 及 LC-MS-MS 分析。

Analyzed by ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID and LC-MS-MS.

检测报告
Test Report

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	001	白色固体 White solid

备注 Remark:

1. 结果仅显示检出的 SVHC 物质/意向 SVHC 物质/潜在意向 SVHC 物质，低于报告检出限的 SVHC 物质/意向 SVHC 物质/潜在意向 SVHC 物质没有列出。所有测试的 SVHC 物质/意向 SVHC 物质/潜在意向 SVHC 物质见下页的 SVHC/意向 SVHC/潜在意向 SVHC 候选清单。
   The table of tested result(s) only shows detected SVHC/intention for identification of SVHC/potential intentional substances for identification of SVHC, and SVHC/intention for identification of SVHC/potential intentional substances for identification of SVHC that below Report Limit are not reported. Please refer to the Candidate List of SVHC/ intention for identification of SVHC/potential intentional substances for identification of SVHC on next pages.
2. w/w % = 重量百分比 weight by weight; 0.1%=1000mg/kg =1000ppm
3. N.D. = 未检出 Not Detected (小于报告检出限<report limit)
4. *:该物质的浓度值是由物质中的特征元素测试结果换算而来。Concentration value of the substance by the conversion fromthe test results of certain elements.
   三丁基氧化锡(TBTO)、二丁基二氯化锡(DBTC)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料、双(乙酰丙酮酸)二丁基锡、[二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数]的浓度值是由其特定化合物(三丁基锡(TBT)、二丁基锡(DBT)、二辛基锡(DOT)、单辛基锡(MOT))的结果换算而来。
   Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(reaction mass of DOTEand MOTE),Dibutylbis(pentane-2,4-dionato-O,O')tin,[Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety] by theconversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
5. **:在化学物质及其混合物的分类，标记与包装法规，即 CLP 法规(法规(EC)No 1272/2008)的附录 VI 中，索引号 650-017-00-8 适用于所有的耐火陶瓷纤维材料。All refractory ceramic fibres are coveredby index number 650-017-00-8 in Annex VI of theRegulation on Classification, Labeling and Packagingof chemical substances and mixtures, the so called CLP Regulation(Regulation (EC) No 1272/2008).
6. ***:C.I.:颜料索引号 Colour Index
7. ****:蒸馏所分离出来的轻油部分 Light fractions from distillation
8. *****:四硼酸钠，无水和四硼酸钠，水合物的浓度均由四硼酸钠浓度表示，没有考虑结晶水。过硼酸钠，水合物；过硼酸钠盐和过硼酸钠，无水的浓度均由过硼酸钠浓度表示，没有考虑结晶水。
   Concentration value of Disodiumtetraborate,anhydrous and Tetraboron disodiumheptaoxide,hydrate is evaluated by Disodiumtetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.

9. ▲:甲醛与苯胺的低聚物的浓度值是由其特定化合物(2,4-二氨基二苯甲烷、4,4’-二氨基二苯基甲烷、2,2-二氨基二苯甲烷)的结果换算而来。Concentration value ofFormaldehyde, oligomeric reaction products with anilineby the conversion from the test results ofcertain compounds (2,4-Diaminodiphenylmethane,4,4’- Diaminodiphenylmethane, 2,2-Diaminodiphenylmethane).
10. ①:由于这些物质是 UVCB 物质(未知成分或可变成分的，复杂反应物或生物材料的物质)，由各种不同的成分组成，所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。当其测试结果≥0.1% w/w 时，对于该物质是否存在于样品中需核查相应物料的 MSDS 或向供应商进行确认。In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking MSDS or requesting from suppliers.
11. ②:由于此物质含有多种物质，测试结果是基于此物质中最具有代表性的主要组成化合物的含量，其主要组成化合物的测试结果是基于特征元素的浓度换算而来。In view of the substance containvariable substances, the test resultsare calculated based onmain constituents of the representativecompounds for the substances,and the test results of the representative compounds are calculated basedon the result of specified heavy metal elements.

注释 Note:

本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

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SVHC 候选清单 Candidate List of SVHC

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
I	1	蒽 Anthracene	120-12-7	204-371-1	0.005
I	2	4,4'-二氨基二苯基甲烷 4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	0.005
I	3	邻苯二甲酸二丁酯 Dibutyl phthalate(DBP)	84-74-2	201-557-4	0.005
I	4	二氯化钴 Cobalt dichloride*	7646-79-9	231-589-4	0.01
I	5	五氧化二砷 Diarsenic pentaoxide*	1303-28-2	215-116-9	0.01
I	6	三氧化二砷 Diarsenic trioxide*	1327-53-3	215-481-4	0.01
I	7	重铬酸钠 Sodium dichromate*	7789-12-0 10588-01-9	234-190-3	0.01
I	8	二甲苯麝香 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	201-329-4	0.005
I	9	邻苯二甲酸二(2-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	0.005
I	10	六溴环十二烷 Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 221-695-9	0.005
I	11	短链氯化石蜡 Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	287-476-5	0.01
I	12	三丁基氧化锡 Bis(tributyltin) oxide (TBTO)*	56-35-9	200-268-0	0.005
I	13	砷酸氢铅 Lead hydrogen arsenate*	7784-40-9	232-064-2	0.01
I	14	邻苯二甲酸丁基苄酯 Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	0.005
I	15	三乙基砷酸酯 Triethyl arsenate*	15606-95-8	427-700-2	0.01
II	16	①蒽油 Anthracene oil	90640-80-5	292-602-7	0.05
II	17	①蒽油,蒽糊,轻油 Anthracene oil, anthracene paste, distn. lights ****	91995-17-4	295-278-5	0.05
II	18	①蒽油,蒽糊,蒽馏分 Anthracene oil, anthracene paste,anthracene fraction	91995-15-2	295-275-9	0.05
II	19	①蒽油,含蒽量少 Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05
II	20	①蒽油,蒽糊 Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05
II	21	①煤焦油沥青,高温 Pitch, coal tar, high-temp.	65996-93-2	266-028-2	0.05

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II	22	丙烯酰胺 Acrylamide	79-06-1	201-173-7	0.01
II	23	2,4-二硝基甲苯 2,4-dinitrotoluene	121-14-2	204-450-0	0.01
II	24	邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.005
II	25	②铬酸铅 Lead chromate	7758-97-6	231-846-0	0.05
II	26	②钼铬红(C.I.颜料红 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	0.05
II	27	②铅铬黄(C.I.颜料黄 34) Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	0.05
II	28	磷酸三(2-氯乙基)酯 Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	0.01
III	29	三氯乙烯 Trichloroethylene	79-01-6	201-167-4	0.005
III	30	硼酸 Boricacid*	10043-35-3 11113-50-1	233-139-2 234-343-4	0.01
III	31	②四硼酸钠，无水 Disodiumtetraborate,anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.01
III	32	②四硼酸钠，水合物 Tetraboron disodiumheptaoxide,hydrate*****	12267-73-1	235-541-3	0.01
III	33	铬酸钠 Sodium chromate*	7775-11-3	231-889-5	0.01
III	34	铬酸钾 Potassium chromate*	7789-00-6	232-140-5	0.01
III	35	重铬酸铵 Ammonium dichromate*	7789-09-5	232-143-1	0.01
III	36	重铬酸钾Potassium dichromate*	7778-50-9	231-906-6	0.01
IV	37	硫酸钴 Cobalt(II) sulphate*	10124-43-3	233-334-2	0.01
IV	38	硝酸钴 Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.01
IV	39	碳酸钴 Cobalt(II) carbonate*	513-79-1	208-169-4	0.01
IV	40	醋酸钴 Cobalt(II) diacetate*	71-48-7	200-755-8	0.01
IV	41	乙二醇单甲醚2-methoxyethanol	109-86-4	203-713-7	0.005
IV	42	乙二醇单乙醚2-ethoxyethanol	110-80-5	203-804-1	0.005
IV	43	三氧化铬Chromium trioxide*	1333-82-0	215-607-8	0.01
IV	44	①铬酸及其低聚物、重铬酸及其低聚物Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01
V	45	乙二醇乙醚乙酸酯 2-ethoxyethyl acetate	111-15-9	203-839-2	0.01
V	46	铬酸锶 Strontium chromate*	7789-06-2	232-142-6	0.01
V	47	①1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	0.01
V	48	肼 Hydrazine	7803-57-8 302-01-2	206-114-9	0.01
V	49	N-甲基吡咯烷酮 1-methyl-2-pyrrolidone (NMP)	872-50-4	212-828-1	0.01

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V	50	1，2，3-三氯丙烷 1,2,3-trichloropropane	96-18-4	202-486-1	0.01
V	51	①邻苯二甲酸二C6-8支链烷基酯（C7富集） 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	0.01
VI	52	铬酸铬 Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01
VI	53	氢氧化铬酸锌钾 Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	0.01
VI	54	氢氧化铬酸锌 Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.01
VI	55	②硅酸铝耐火陶瓷纤维 Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	0.05
VI	56	②氧化锆硅酸铝耐火陶瓷纤维 Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	0.05
VI	57	①甲醛与苯胺的低聚物 Formaldehyde, oligomeric reaction products with aniline▲	25214-70-4	500-036-1	0.01
VI	58	邻苯二甲酸二甲氧基乙酯 Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.005
VI	59	2-甲氧基苯胺(邻甲氧基苯胺) 2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	0.005
VI	60	4-(1,1,3,3-四甲基丁基)苯酚 (别名：对特辛基苯酚) 4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	0.005
VI	61	1,2-二氯乙烷 1,2-dichloroethane	107-06-2	203-458-1	0.005
VI	62	双(2-甲氧基乙基)醚 (别名：二乙二醇二甲醚) Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.005
VI	63	砷酸 Arsenic acid*	7778-39-4	231-901-9	0.01
VI	64	砷酸钙 Calcium arsenate*	7778-44-1	231-904-5	0.01
VI	65	砷酸铅 Trileaddiarsenate*	3687-31-8	222-979-5	0.01
VI	66	N,N-二甲基乙酰胺 N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005
VI	67	4,4'-亚甲基双(2-氯苯胺) 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005
VI	68	酚酞 Phenolphthalein	77-09-8	201-004-7	0.005
VI	69	叠氮化铅 Lead diazide, Lead azide*	13424-46-9	236-542-1	0.01
VI	70	2,4,6-三硝基间苯二酚铅 (别名：收敛酸铅) Lead styphnate*	15245-44-0	239-290-0	0.01
VI	71	苦味酸铅 Lead dipicrate*	6477-64-1	229-335-2	0.01
VII	72	1,2-二(2-甲氧基乙氧基)乙烷 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01

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VII	73	乙二醇二甲醚 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01
VII	74	三氧化二硼 Diboron trioxide*	1303-86-2	215-125-8	0.01
VII	75	甲酰胺 Formamide	75-12-7	200-842-0	0.01
VII	76	甲基磺酸铅 Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.01
VII	77	异氰尿酸三缩水甘油脂 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	0.01
VII	78	异氰脲酸 β-三缩水甘油酯 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	423-400-0	0.01
VII	79	4,4'-二(N,N-二甲氨基)二苯甲酮(米氏酮) 4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01
VII	80	4,4'-(对二甲氨基)二苯基甲烷 (米氏碱) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.01
VII	81	C.I.碱性紫 3[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)***	548-62-9	208-953-6	0.01
VII	82	C.I.碱性蓝 26 [4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)***	2580-56-5	219-943-6	0.01
VII	83	C.I.溶剂蓝 4 α,α-Bis[4-(dimethylamino) phenyl]-4(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	229-851-8	0.01
VII	84	α,α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇 4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01
VIII	85	十溴二苯醚 Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	0.05

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VIII	86	①4-壬基酚，分支或线性的壬基酚，包括含有 9 个碳烷基链的所有独立的同分异构体和所有含有线性或分支 9 个碳烷基链的 UVCB 物质 4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	-	0.05
VIII	87	偶氮二甲酰胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA)	123-77-3	204-650-8	0.05
VIII	88	对特辛基苯酚乙氧基醚 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	-	0.05
VIII	89	全氟十一烷酸 Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.05
VIII	90	全氟十三酸 Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.05
VIII	91	六氢邻苯二甲酸酐，顺式-六氢邻苯二甲酸酐，反式-六氢邻苯二甲酸酐 Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05
VIII	92	甲基六氢苯酐，4-甲基六氢苯酐，1-甲基六氢化邻苯二甲酸酐，3-甲基六氢苯二甲酯酐 Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	0.05
VIII	93	全氟十四酸 Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	0.05
VIII	94	邻苯二甲酸二异戊酯 Diisopentyl phthalate (DIPP)	605-50-5	210-088-4	0.05
VIII	95	①支链和直链 1,2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05
VIII	96	邻苯二甲酸正戊基异戊基酯 n-pentyl-isopentylphthalate	776297-69-9	933-378-9	0.05
VIII	97	甲氧基乙酸 Methoxyacetic acid	625-45-6	210-894-6	0.05
VIII	98	全氟十二烷酸 Tricosafluorododecanoic acid	307-55-1	206-203-2	0.05
VIII	99	乙二醇二乙醚 1,2-diethoxyethane	629-14-1	211-076-1	0.05

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VIII	100	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.05
VIII	101	2,4-二氨基甲苯 4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	0.05
VIII	102	N-甲基乙酰胺 N-methylacetamide	79-16-3	201-182-6	0.05
VIII	103	氧化铅与硫酸铅的复合物 Pentaleadtetraoxide sulphate*	12065-90-6	235-067-7	0.01
VIII	104	4-氨基联苯 Biphenyl-4-ylamine	92-67-1	202-177-1	0.05
VIII	105	地乐酚 Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.05
VIII	106	双(十八酸基)二氧代三铅 Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.01
VIII	107	硝酸铅 Lead dinitrate*	10099-74-8	233-245-9	0.01
VIII	108	三碱式硫酸铅 Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.01
VIII	109	氧化铅 Lead monoxide (lead oxide)*	1317-36-8	215-267-0	0.01
VIII	110	钛酸铅 Lead titanium trioxide*	12060-00-3	235-038-9	0.01
VIII	111	4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05
VIII	112	碱式乙酸铅 Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.01
VIII	113	硫酸二甲酯 Dimethyl sulphate	77-78-1	201-058-1	0.05
VIII	114	呋喃 Furan	110-00-9	203-727-3	0.05
VIII	115	颜料黄 41 Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.01
VIII	116	四乙基铅 Tetraethyllead*	78-00-2	201-075-4	0.01
VIII	117	二盐基邻苯二甲酸铅 [Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	0.01
VIII	118	硫酸二乙酯 Diethyl sulphate	64-67-5	200-589-6	0.05
VIII	119	氨基氰铅盐 Lead cyanamidate*	20837-86-9	244-073-9	0.01
VIII	120	掺杂铅的硅酸钡 Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	0.01
VIII	121	磷酸氧化铅 Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.01
VIII	122	邻甲基苯胺 *o*-Toluidine	95-53-4	202-429-0	0.05
VIII	123	邻氨基偶氮甲苯 *o*-aminoazotoluene	97-56-3	202-591-2	0.05
VIII	124	4-对氨基偶氮苯 4-aminoazobenzene	60-09-3	200-453-6	0.05
VIII	125	6-甲氧基-间甲苯胺 6-methoxy-*m*-toluidine (*p*-cresidine)	120-71-8	204-419-1	0.05
VIII	126	二丁基二氯化锡 Dibutyltin dichloride (DBTC)*	683-18-1	211-670-0	0.05
VIII	127	钛酸铅锆 Lead titanium zirconium oxide*	12626-81-2	235-727-4	0.01

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VIII	128	环氧丙烷 Methyloxirane (Propylene oxide)	75-56-9	200-879-2	0.05
VIII	129	1-溴代正丙烷 1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.05
VIII	130	碱式碳酸铅 Trilead bis(carbonate) dihydroxide*	1319-46-6	215-290-6	0.01
VIII	131	C16-18-脂肪酸铅盐 Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.01
VIII	132	四氧化三铅 Orange lead (lead tetroxide)*	1314-41-6	215-235-6	0.01
VIII	133	二碱式亚硫酸铅(II) Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.01
VIII	134	4,4'-二氨基二苯醚及其盐 4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05
VIII	135	碱式硫酸铅 Lead oxide sulfate*	12036-76-9	234-853-7	0.01
VIII	136	四氟硼酸铅 Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.01
VIII	137	硅酸铅 Silicic acid, lead salt*	11120-22-2	234-363-3	0.01
VIII	138	N,N-二甲基甲酰胺 N,N-dimethylformamide	68-12-2	200-679-5	0.05
IX	139	镉 Cadmium	7440-43-9	231-152-8	0.01
IX	140	氧化镉 Cadmium oxide*	1306-19-0	215-146-2	0.01
IX	141	邻苯二甲酸二戊酯 Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.01
IX	142	①乙氧基化的支链和直链的 4-壬基酚（直链和/或支链的具有 9 个碳原子的烷基链共价键合在 4 位的乙氧基酚，囊括了 UVCB 和定义明确的物质，聚合物及同系物，其中包括任何单独的异构体和/或它们的组合）4-Nonylphenol, branched and linear,ethoxylated *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]*	-	-	0.05
IX	143	全氟辛酸铵 Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.01
IX	144	全氟辛烷酸 Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01
X	145	①磷酸三(二甲苯)酯 Trixylyl phosphate	25155-23-1	246-677-8	0.01

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X	146	C.I.直接黑 38 Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo) naphthalene-2,7-disulphonate (C.I. Direct Black 38)***	1937-37-7	217-710-3	0.01
X	147	邻苯二甲酸二己酯 Dihexyl phthalate	84-75-3	201-559-5	0.01
X	148	硫化镉 Cadmium sulphide*	1306-23-6	215-147-8	0.01
X	149	C.I.直接红 28 Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	209-358-4	0.01
X	150	醋酸铅(II)Lead di(acetate)*	301-04-2	206-104-4	0.01
X	151	1,2-亚乙基硫脲 Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01
XI	152	①邻苯二甲酸二己酯，直链和支链 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.01
XI	153	氯化镉 Cadmium chloride *	10108-64-2	233-296-7	0.01
XI	154	②过硼酸钠，水合物；过硼酸钠盐 Sodium perborate; perboric acid, sodium salt *****	15120-21-5 11138-47-9	239-172-9 234-390-0	0.01
XI	155	②过硼酸钠，无水 Sodium peroxometaborate *****	7632-04-4	231-556-4	0.01
XII	156	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.01
XII	157	2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑 2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.01
XII	158	二正辛基-双(巯乙酸2-乙基己酯)锡2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*	15571-58-1	239-622-4	0.05
XII	159	氟化镉Cadmium fluoride*	7790-79-6	232-222-0	0.01
XII	160	硫酸镉 Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XII	161	①二正辛基-双(巯乙酸2-乙基己酯)锡(DOTE)和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)*	-	-	0.05
XIII	162	①1,2-苯二羧酸, 二-C6-10-烷基酯；（葵基，己基，辛基）酯与1,2-苯二甲酸的复合物，其邻苯二甲酸二己酯含量≥0.3% (EC No. 201-559-5)1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2- benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	0.05
XIII	163	①5-仲丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1]，5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]（卡拉花醛及其异构体以及它们的混合物）5-sec-butyl-2-(2,4- dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	-	0.05
XIV	164	硝基苯 Nitrobenzene	98-95-3	202-716-0	0.01
XIV	165	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.01
XIV	166	2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.01
XIV	167	1,3-丙烷磺内酯 1,3-propanesultone	1120-71-4	214-317-9	0.01
XIV	168	全氟壬酸及其钠和铵盐 Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3 - -	0.01
XV	169	苯并(a)芘 Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.01
XVI	170	双酚 A 4,4'-isopropylidenediphenol (bisphenol A) (BPA)	80-05-7	201-245-8	0.01
XVI	171	全氟癸酸(PFDA)及其钠盐和铵盐 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	221-470-5 206-400-3 -	0.01

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XVI	172	4-(1,1-二甲基丙基)苯酚 (别名：对叔戊基苯酚) *p*-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.01
XVI	173	①支链与直链的 4-庚基酚(直链和/或支链的具有 7 个碳原子的烷基链共价键在 4 位的苯酚，囊括了 UVCB 和定义明确的物质，其中包括任何单独异构体和/或它们的组合)4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	0.05
XVII	174	全氟己基磺酸及其盐 Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.0005
XVIII	175	得克隆(包括其所有反式和顺式异构体及其组合) Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	-	0.01
XVIII	176	苯并[a]蒽Benzo[a]anthracene	56-55-3	200-280-6	0.01
XVIII	177	硝酸镉Cadmium nitrate*	10325-94-7	233-710-6	0.01
XVIII	178	碳酸镉Cadmium carbonate*	513-78-0	208-168-9	0.01
XVIII	179	氢氧化镉Cadmium hydroxide*	21041-95-2	244-168-5	0.01
XVIII	180	䓛Chrysene	218-01-9	205-923-4	0.01
XVIII	181	①1,3,4-噻二唑烷-2,5-二硫酮，甲醛和4-庚基苯酚的支链和直链(RP-HP)的反应产物[4-庚基苯酚，支链和直链含量≥0.1% w/w] Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]	-	-	0.05
XIX	182	八甲基环四硅氧烷 Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01
XIX	183	十甲基环五硅氧烷 Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01
XIX	184	十二甲基环六硅氧烷 Dodecamethylcyclohexasiloxane(D6)	540-97-6	208-762-8	0.01
XIX	185	铅 Lead	7439-92-1	231-100-4	0.01
XIX	186	八硼酸二钠 Disodium octaborate*	12008-41-2	234-541-0	0.01
XIX	187	苯并(g,h,i)苝Benzo[ghi]perylene	191-24-2	205-883-8	0.01
XIX	188	①氢化三联苯 Terphenyl, hydrogenated	61788-32-7	262-967-7	0.01
XIX	189	乙二胺 Ethylenediamine (EDA)	107-15-3	203-468-6	0.01

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XIX	190	偏苯三酸酐 Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.01
XIX	191	邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.01
XX	192	4,4'-(1,3-二甲基丁基)二苯酚 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.01
XX	193	苯并[k]荧蒽 Benzo[k]fluoranthene	207-08-9	205-916-6	0.01
XX	194	荧蒽 Fluoranthene	206-44-0	205-912-4	0.01
XX	195	菲 Phenanthrene	85-01-8	201-581-5	0.01
XX	196	芘 Pyrene	129-00-0	204-927-3	0.01
XX	197	1,7,7-三甲基-3-(苯亚甲基)双环[2,2,1]庚-2-酮 1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	239-139-9	0.01
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(HFPO-DA) 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	0.01
XXI	199	甲二醇乙醚乙酸酯 2-methoxyethyl acetate	110-49-6	203-772-9	0.01
XXI	200	4-叔丁基苯酚 4-tert-butylphenol	98-54-4	202-679-0	0.01
XXI	201	①三(壬基苯基)亚磷酸酯(TNPP)其中4-壬基苯酚(支链和直链) (4-NP)含量大于等于0.1 % Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01
XXII	202	2-苄基-2-二甲基氨基-1-(4-吗啉苯基)丁酮 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.01
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01
XXII	204	邻苯二甲酸二异己酯 Diisohexyl phthalate	71850-09-4	276-090-2	0.01
XXII	205	全氟丁烷磺酸(PFBS)及其盐 Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01
XXIII	206	1-乙烯基咪唑 1-vinylimidazole	1072-63-5	214-012-0	0.01
XXIII	207	2-甲基咪唑 2-methylimidazole	693-98-1	211-765-7	0.01
XXIII	208	对羟基苯甲酸丁酯 Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.01

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XXIII	209	双(乙酰丙酮酸)二丁基锡 Dibutylbis(pentane-2,4-dionato-O,O')tin *	22673-19-4	245-152-0	0.05
XXIV	210	四乙二醇二甲醚 bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01
XXIV	211	二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数 Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety *	-	-	0.05
XXV	212	1,4-二恶烷 1,4-dioxane	123-91-1	204-661-8	0.01
XXV	213	2,2-双(溴甲基) -1,3-丙二醇 三溴新戊醇/3-溴-2,2-二溴乙基丙醇 2,3-二溴丙醇 2,2-bis(bromomethyl) propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	221-967-7 253-057-0 202-480-9	0.01
XXV	214	2-(4-叔丁基苄基)丙醛及其立体异构体 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	0.01
XXV	215	2,2-二(4-羟基苯基)丁烷(双酚 B)4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	201-025-1	0.01
XXV	216	戊二醛 Glutaral	111-30-8	203-856-5	0.01
XXV	217	①中链氯化石蜡 (UVCB 物质，由≥80%的直链氯代烷烃组成，碳链长度在 C14 到 C17 之间) Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	-	0.01
XXV	218	硼酸钠盐 Orthoboric acid, sodium salt *	13840-56-7	237-560-2	0.01
XXV	219	①烷基酚，碳链(C12 为主，直链或支链)主要在对位，包括其任何单个异构体或组合 Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XXVI	220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]双环[2.2.1]庚-2-酮，包括任何单独的异构体和/或其组合 (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	0.01
XXVI	221	2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚) 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	204-327-1	0.01
XXVI	222	S-(三环[5.2.1.0^{2,6}]癸-3-烯-8(或 9)-基)O-(异丙基或异丁基或 2-乙基己基)O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯 S-(tricyclo[5.2.1.0^{2,6}]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	0.01
XXVI	223	乙烯基-三(2-甲氧基乙氧基)硅烷 tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.01
XXVII	224	N-羟甲基丙烯酰胺 N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01
XXVIII	225	1,2-二(2,4,6-三溴苯氧基)乙烷 1,1'-[ethane-1,2-diylbisoxy]bis [2,4,6-tribromobenzene]	37853-59-1	253-692-3	0.01
XXVIII	226	四溴双酚 A 2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol (TBBPA)	79-94-7	201-236-9	0.01
XXVIII	227	双酚 S 4,4'-sulphonyldiphenol (BPS)	80-09-1	201-250-5	0.01
XXVIII	228	偏硼酸钡 Barium diborontetraoxide*	13701-59-2	237-222-4	0.01
XXVIII	229	3,4,5,6-四溴-1,2-苯二羧酸双(2-乙基己基)酯,包括任何单独的异构体和/或其组合 Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	0.01
XXVIII	230	4-羟基苯甲酸 2-甲基丙酯 Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	0.01
XXVIII	231	三聚氰胺 Melamine	108-78-1	203-615-4	0.05
XXVIII	232	全氟庚酸及其盐 Perfluoroheptanoic acid and its salts	-	-	0.01
XXVIII	233	2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)吗啉和 2,2,3,3,5,5,6,6-八氟烷-4-(七氟丙基)吗啉的反应物料 Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	473-390-7	0.05

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XXIX	234	二苯基(2,4,6-三甲基苯甲酰基)氧化膦 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	0.01
XXIX	235	4,4'-二氯二苯砜 Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	0.01

意向 SVHC 物质清单（2021 年 6 月 1 日公布）
List of intention for identificationof SVHC (Published on June 1st 2021)

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 ReportLimit(%)
-	1	间苯二酚 Resorcinol	108-46-3	203-585-2	0.01

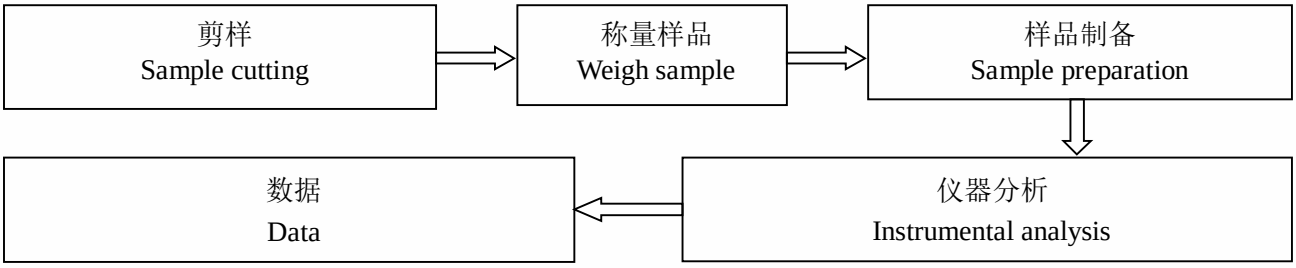
潜在意向 SVHC 物质清单
List of potential intentional substances for identification of SVHC

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
-	1	2-[2-羟基-5-(1,1,3,3-四甲丁基)苯基]苯并三唑 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	221-573-5	0.01
-	2	2-(5-氯-2H-苯三唑-2-基)-6-(1,1-二甲基乙基)-4-甲基苯酚 Bumetrizole (UV-326)	3896-11-5	223-445-4	0.01
-	3	磷酸三苯酯 Triphenyl phosphate	115-86-6	204-112-2	0.01
-	4	八甲基三硅氧烷 Octamethyltrisiloxane	107-51-7	203-497-4	0.01
-	5	六甲基二硅氧烷 Hexamethyldisiloxane	107-46-0	203-492-7	0.01
-	6	十二甲基五硅氧烷 Dodecamethylpentasiloxane	141-63-9	205-492-2	0.01
-	7	十甲基四硅氧烷 Decamethyltetrasiloxane	141-62-8	205-491-7	0.01
-	8	1,1,1,3,5,5,5-七甲基三硅氧烷 1,1,1,3,5,5,5-heptamethyltrisiloxane	1873-88-7	217-496-1	0.01
-	9	1,1,1,3,5,5,5-七甲基-3-[(三甲基甲硅烷基)氧基]三硅氧烷 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	241-867-7	0.01
-	10	2-(4-甲基苄基)-2-(二甲基氨基)-1-(4-吗啉苯基)-1-丁酮 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	438-340-0	0.01
-	11	2,4,6-三叔丁基苯酚 2,4,6-tri-tert-butylphenol (2,4,6-TTBP)	732-26-3	211-989-5	0.01

附加信息 Appendix:

1. 根据欧盟 REACH 法规（编号 1907/2006）第 33 条款之规定，物品类产品如果含有候选列表上的高度关注物质且在物品中的质量百分比超过 0.1%时，物品供应方需履行相关信息传递义务:
   Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
   1) 物品供应方应提供给接收方关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。Any supplier shall provide the recipient of the article with sufficient information to allowsafe use of the article including, as a minimum, the name of that substance.
   2) 应消费者请求，物品供应方应在 45 天内免费提供关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
2. 根据欧盟 REACH 法规（编号 1907/2006）第 31 条款及附件 2 之规定，提供高度关注物质的物质类产品供应方，应免费提供接收方该物质的安全数据表。The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
3. 根据欧盟 REACH 法规（编号 1907/2006）第 31、32 条款及附件 2 之规定，提供含有高度关注物质的混合物产品供应方需传递相关信息:
   The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
   1) 如果混合物产品按照 1999/45/EC 被判定为危险品时，供应方应免费提供产品的安全数据表。Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
   2) 如果混合物产品按照 1999/45/EC 判定并非危险品，但是任一高度关注物质在非气体混合物中质量分数超过 0.1%或在气体混合物中体积分数超过 0.2%，供应方也应免费提供产品的安全数据表。Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.

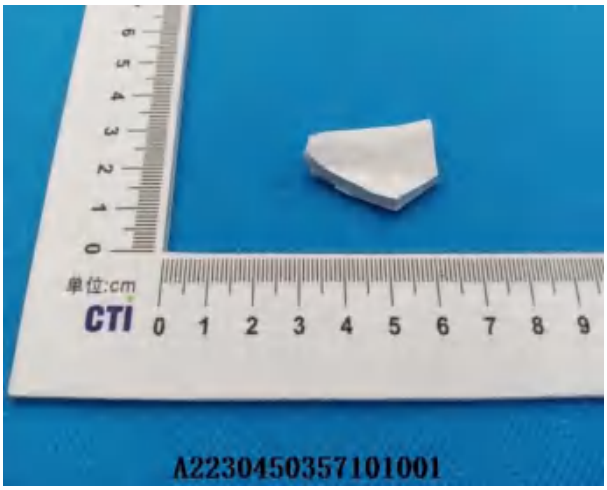
检测流程 Test Process



检测报告
Test Report

样品图片

Photo(s) of the sample(s)



声明 Statement：

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未经 CTI 书面同意，不得部分复制本报告；
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5. 如检测报告中的英文内容与中文内容有差异，以中文为准。
   In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
*** End of Report ***

附录 Appendix

客户参考信息 Client Reference Information

NSR-9000M1/W/ W2(LED)/
W3(LED)/W(LED)/WM/W66M/WD120/W50/WD150/WD300/WT2000/WT2001/WT2002/
WT2002(XH)/WT2003/WT2005/WT2000-5/WT2006/WT2007/WT2008/WT2009/WT2010 /
WT2011/WT2012/WT2013/WT200/WT201/WT202/
WT203/WT205/WT207/WT208/WT209/WT210/WT211/WT212/WT4000/WT4001/WT4001(T)/WT4002/WT4003/WT4005/WT4006/WT4007/WT4008/WT4009/WT4010/WT8001/WT502/WT400/WT401/WT402/WT403/WT405/WT406/WT407/WT408/WT409/WT410/WT412
(F/W)/(F/WD100)/(F/WM)/(F/WD200)/(F/W(LED))/ (F/W2(LED)) /
(FW1)/(F/W2)/(F/W3)/(F/W5)/(F/W6)/(F/W7)/[F/W7(H)]/
（F/W11)/(F/W15)/(F/W11M)/(F/W12M)/(F/W13M)/(F/W15M)/(F/W18M)/(F/W11)/(F/W66)/(F/W50M)/(F/WM-2)/(F/WM-7)/(F/WM-6)/(F/WM-8)/(F/WM-9)/(F/WM-10)/(F/WM-3)/(F/WM-5)/(F/WM-11)/[F/W6(NS-411)]/
PET4W/PET4W-1/PET4W-2/PET4W-3/PET4WM-1/PET4WM-1/PET4WM-2/PET4WM-3/PET4WM-4/PET4WM-5/PET4WM-6/PET4WM-7/PET4WM-8/NS-411/W /[F/W（NS-411）]/[W1（NS-411）/W2（NS-411）]/[W3（NS-411）]/[W6（NS-411）]/GY60/ GY70/ GY6M/ GYM/ GY9M/ GY1/ GY1M/ GY75/ GY75M/GY66/
(F/GY40)/ (F/GY80M)/ (F/GY50) / GY2M / (F/GY40M)/ (F/GY62M)/ (F/GY50M) /(F/GY6M)/ (F/GY75M)/
(F/GY9M)/ (F/GYM) / (F/GY)/ (F/GY2)/ (F/GY3)/ (F/GY2M)/ (F/GY3M)/ (F/GY5M)/ (F/GY7M)/ (F/GY11M) /
(F/GY1M)/ (F/GY12M)/ (F/GY13M)/ (F/GY15M)/ (F/GY16M)/ (F/GY17M)/<F/GY(NS-411)>+HD-70（HF）/
NSR-9000H1/NSR-9000H1F

声明 Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性。
   The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. 附录内容为 A2230450357101001E 报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2230450357101001E.

CTI 华测检测

CMA 210900341277

CNAS 中国认可 国际互认 检测 TESTING CNAS L9541

检测报告
Test Report

报告编号 A2230532766101003E
Report No. A2230532766101003E

报告抬头公司名称 新东方油墨有限公司
Company Name shown on Report NEWEAST PRINTING INK CO.,LTD
地 址 浙江省嘉兴市桐乡崇福大道2320号
Address 2320 CHONGFU AVENUE,TONGXIANG CITY,ZHEJIANG

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	油墨
Sample Name	INK
样品型号	NSR-9000M1/W11
Part No.	NSR-9000M1/W11
样品接收日期	2023.10.16
Sample Received Date	Oct. 16, 2023
样品检测日期	2023.10.16-2023.10.20
Testing Period	Oct. 16, 2023 to Oct. 20, 2023

检测要求 根据客户要求，对所提交样品中的氟(F)，氯(Cl)，溴(Br)，碘(I)进行测试。
Test Requested As specified by client, to test Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I) in the submitted sample(s).

检测依据/检测结果 请参见下页。
Test Method/Test Result(s) Please refer to the following page(s).

批 准
Approved by

陈凯敏
实验室经理 Lab Manager

日 期
Date 2023.10.20

No. R295824248

上海华测品标检测技术有限公司
Centre Testing International Pinbiao(Shanghai) Co., Ltd.

上海市闵行区万芳路1351号
No.1351, Wanfang Road, Minhang District, Shanghai, China

检测报告
Test Report

检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
氟 Fluorine (F)	参考EN 14582:2016 Refer to EN 14582:2016	IC
氯 Chlorine (Cl)	参考EN 14582:2016 Refer to EN 14582:2016	IC
溴 Bromine (Br)	参考EN 14582:2016 Refer to EN 14582:2016	IC
碘 Iodine (I)	参考EN 14582:2016 Refer to EN 14582:2016	IC

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	003	
氟 Fluorine (F)	93 mg/kg	10 mg/kg
氯 Chlorine (Cl)	218 mg/kg	10 mg/kg
溴 Bromine (Br)	N.D.	10 mg/kg
碘 Iodine (I)	N.D.	10 mg/kg

样品/部位描述Sample/Part Description

序号 No.	CTI样品ID CTI Sample ID	描述 Description
1	003	白色固体 White solid

备注:
-N.D. = 未检出（小于方法检出限）
-mg/kg = ppm = 百万分之一

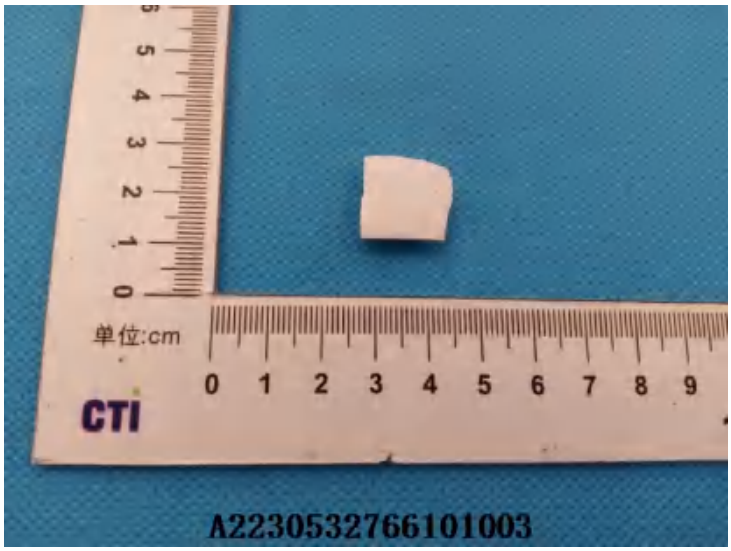
Remark:
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

检测报告
Test Report

检测流程 Test Process

检测报告
Test Report

样品图片
Photo(s) of the sample(s)



声明Statement：

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI未核实其真实性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未经CTI书面同意，不得部分复制本报告；
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   In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

报告结束

*** End of report ***

附录Appendix

客户参考信息Client Reference Information

NSR-9000M1/W/ W2(LED)/
W3(LED)/W(LED)/WM/W66M/WD120/W50/WD150/WD300/WT2000/WT2001/WT2002/
WT2002(XH)/WT2003/WT2005/WT2000-5/WT2006/WT2007/WT2008/WT2009/WT2010
/WT2011/WT2012/WT2013/WT200/WT201/WT202
/WT203/WT205/WT207/WT208/WT209/WT210/WT211/WT212/WT4000/WT4001/WT4001(T)/WT4002/WT4003/W
T4005/WT4006/WT4007/WT4008/WT4009/WT4010/WT8001/WT502/WT400/WT401/WT402/WT403/WT405/WT40
6/WT407/WT408/WT409/WT410/WT412
(F/W)/(F/WD100)/(F/WM)/(F/WD200)/(F/W(LED))/ (F/W2(LED)) /(FW1)/(F/W2)/(F/W3)/(F/W5)/(F/W6)/(F/W7)/
[F/W7(H)]/(F/W11)/(F/W15)/(F/W11M)/(F/W12M)/(F/W13M)/(F/W15M)/(F/W18M)/(F/W11)/(F/W66)/(F/W50M)/
(F/WM-2)/(F/WM-7)/(F/WM-6)/(F/WM-8)/(F/WM-9)/(F/WM-10)/(F/WM-3)/(F/WM-5)/(F/WM-11)/
[F/W6(NS-411)]/PET4W/PET4W-1/PET4W-2/PET4W-3/PET4WM-1/PET4WM-1/PET4WM-2/PET4WM-3/PET4WM
-4/PET4WM-5/PET4WM-6/PET4WM-7/PET4WM-8/NS-411/W /[F/W(NS-411)]/[W1(NS-411)/W2(NS-411)]/
[W3(NS-411)]/[W6(NS-411)]/GY60/ GY70/ GY6M/ GYM/ GY9M/ GY1/ GY1M/ GY75/ GY75M/GY66/ (F/GY40)/
(F/GY80M)/ (F/GY50) / GY2M / (F/GY40M)/ (F/GY62M)/ (F/GY50M) /(F/GY6M)/ (F/GY75M)/ (F/GY9M)/ (F/GYM)
/ (F/GY)/ (F/GY2)/ (F/GY3)/ (F/GY2M)/ (F/GY3M)/ (F/GY5M)/ (F/GY7M)/ (F/GY11M) / (F/GY1M)/ (F/GY12M)/
(F/GY13M)/ (F/GY15M)/ (F/GY16M)/ (F/GY17M)/<F/GY(NS-411)>+HD-70(HF)/NSR-9000H1/NSR-9000H1F

声明Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI未核实其真实性。
   The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. 附录内容为A2230532766101003E报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2230532766101003E.

检测报告
Test Report

报告编号 A2230519765101001E
Report No. A2230519765101001E

报告抬头公司名称 广州市红太电子科技有限公司
Company Name shown on Report GUANGZHOU HONGTAI ELECTRONIC TECHNOLOGY CO.,LTD.
地 址 广州市南沙区榄核镇稳盈街12号
Address NO.12,WENYING STREET,LANHE TOWN,NANSHA DISTRICT,GUANGZHOU CITY

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	感光防焊油墨系列
Sample Name	Photoimageable solder mask series
样品型号	HT-50/HT-50H系列
Part No.	HT-50/HT-50H series
样品颜色	黑色
Color	Black
样品接收日期	2023.10.10
Sample Received Date	Oct. 10, 2023
样品检测日期	2023.10.10-2023.10.14
Testing Period	Oct. 10, 2023 to Oct. 14, 2023

检测要求 根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)，邻苯二甲酸酯(DBP，BBP，DEHP，DIBP)进行测试。

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

检测依据/检测结果 请参见下页。
Test Method/Test Result(s) Please refer to the following page(s).

批 准
Approved by

郑晴涛
技术经理 Technical Manager

日 期
Date 2023.10.14

No. R177737752

华测检测认证集团股份有限公司
Centre Testing International Group Co.,Ltd.
广东省深圳市宝安区新安街道兴东社区华测检测大楼
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

检测报告
Test Report

检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	IEC 62321-5:2013	ICP-OES
镉 Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017和/或IEC 62321-5:2013测试总铬含量 IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

检测报告
Test Report

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
铅 Lead (Pb)	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
多溴联苯 Polybrominated Biphenyls (PBBs)		
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)		
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg

检测报告
Test Report

报告编号 A2230519765101001E
Report No. A2230519765101001E

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)		
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg

样品/部位描述Sample/Part Description

序号 No.	CTI样品ID CTI Sample ID	描述 Description
1	001	黑色油墨（干重） Black ink(dry weight)

备注: -对于检测铅，镉，汞之样品已消解完全。
-测试样品经过150℃烘烤2小时后测试。
-N.D. = 未检出（小于方法检出限）
-mg/kg = ppm = 百万分之一

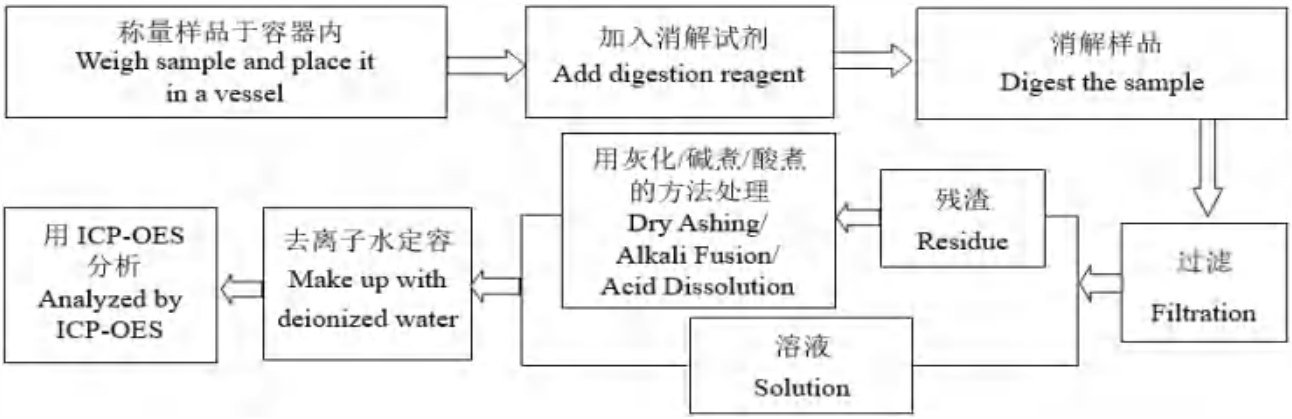
Remark: **-The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-The sample was tested after drying for 2 hours under 150°C.
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

检测报告
Test Report

检测流程 Test Process

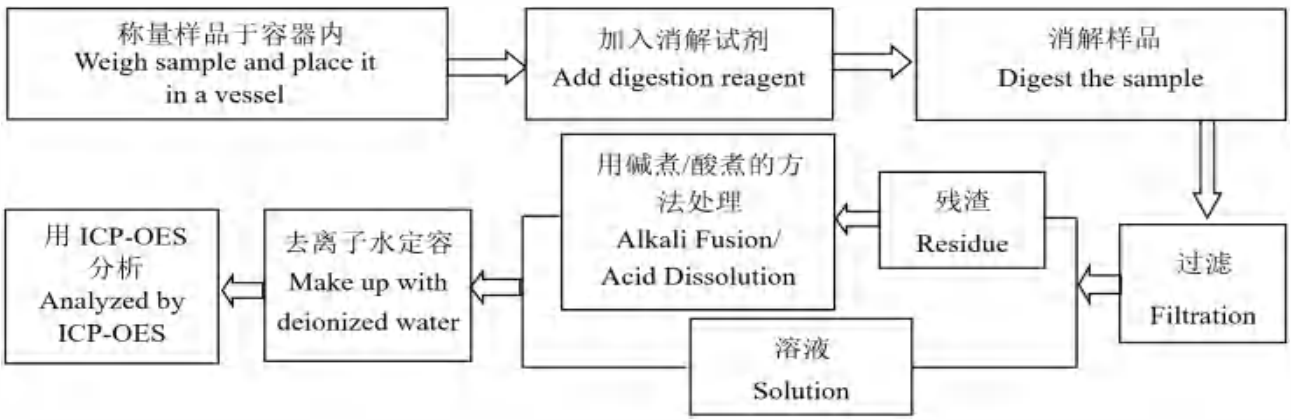
1. 铅(Pb)，镉(Cd)，铬(Cr)

Lead (Pb), Cadmium (Cd), Chromium (Cr)



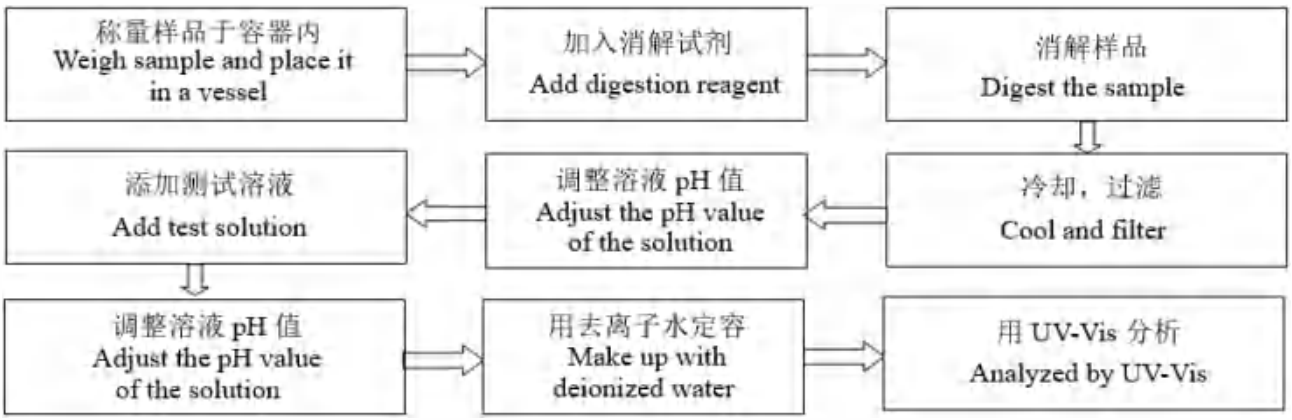
2. 汞(Hg)

Mercury (Hg)



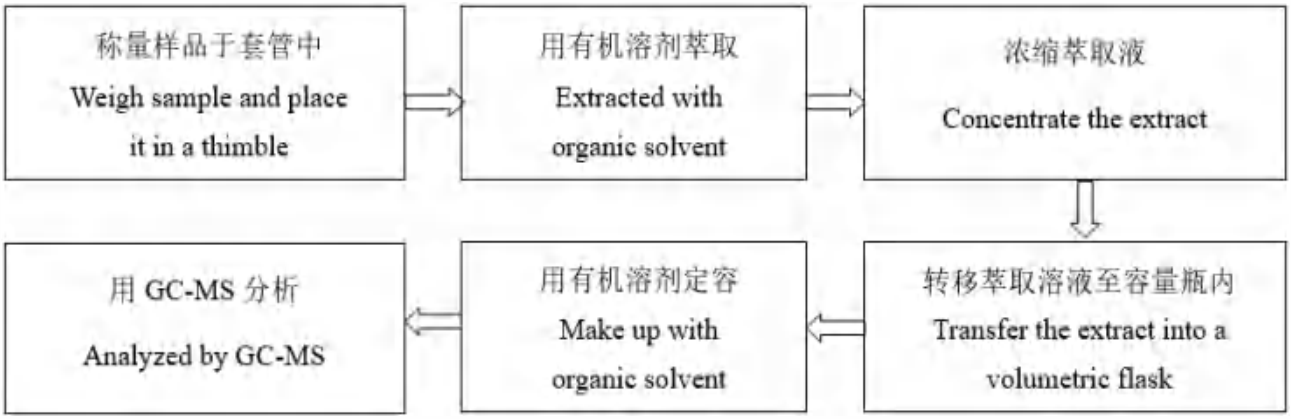
3. 六价铬(Cr(VI))

Hexavalent Chromium (Cr(VI))



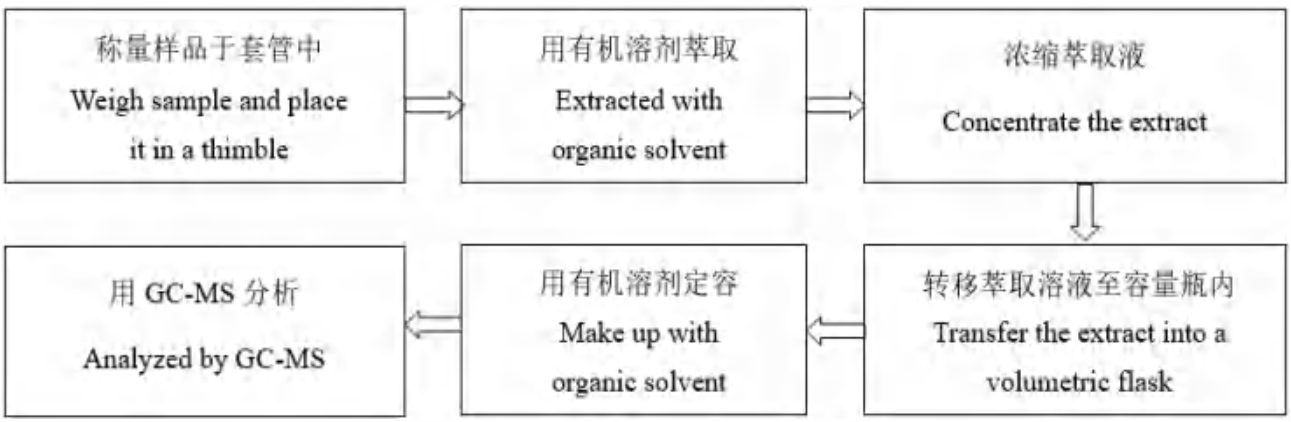
4. 多溴联苯(PBBs)， 多溴二苯醚(PBDEs)

Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)

Phthalates (DBP, BBP, DEHP, DIBP)



检测报告
Test Report

样品图片
Photo(s) of the sample(s)

声明Statement：

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI未核实其真实性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未经CTI书面同意，不得部分复制本报告；
   Without written approval of CTI, this report can’t be reproduced except in full;
5. 如检测报告中的英文内容与中文内容有差异，以中文为准。
   In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

报告结束

*** End of report ***

附录Appendix

客户参考信息Client Reference Information

HT-50/HT-50H系列 混合样
(BK, WB, CE, ME, PT, PS, GS, PF, GF, DI, WL, MBK, GP, BKP, GT, MK, H等)

HT-50/HT-50H series Mixed sample
(BK, WB, CE, ME, PT, PS, GS, PF, GF, DI, WL, MBK, GP, BKP, GT, MK, H Etc)

声明Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI未核实其真实性。
   The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. 附录内容为A2230519765101001E报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2230519765101001E.

CTI 华测检测

检测报告
Test Report

报告编号 A2230355345102002E
Report No. A2230355345102002E

报告抬头公司名称	广州市红太电子科技有限公司
Company Name shown on Report	GUANGZHOU HONGTAI ELECTRONIC TECHNOLOGY CO.,LTD.
地　　址	广州市南沙区榄核镇稳盈街 12 号
Address	NO.12,WENYING STREET,LANHE TOWN,NANSHA DISTRICT,GUANGZHOU CITY

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	感光防焊油墨系列
Sample Name	Photoimageable Solder Mask Series
样品型号	HT-50/HT-50H 系列
Part No.	HT-50/HT-50H Series
样品颜色	黑色
Color	black
样品接收日期	2023.07.19
Sample Received Date	Jul. 19, 2023
样品检测日期	2023.07.19-2023.07.26
Testing Period	Jul. 19, 2023 to Jul. 26, 2023

检测要求/检测依据/检测结果	请参见下页。
Test Requested/Test Method/Test Result(s)	Please refer to the following page(s).

摘要

1.根据分析结果，所提交样品中 2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮，三聚氰胺浓度大于 0.1%(w/w)。
2.根据分析结果，所提交样品中 1 种意向 SVHC 物质的浓度小于 0.1%（w/w）。

Summary

1.According to the analytical results, concentrations of 2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one, Melamine are more than 0.1%(w/w) in the submitted sample.
2.According to the analytical results, concentration of 1 substance for intention for identification of SVHC is less than 0.1%(w/w) in the submitted sample(s).

批　　准
Approved By: 郑晴涛
技术经理 Technical Manager

日　　期
Date: 2023.07.26

No. R177736081

华测检测认证集团股份有限公司
Centre Testing International Group Co.,Ltd.
广东省深圳市宝安区新安街道兴东社区华测检测大楼
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

检测报告
Test Report

检测要求	1.根据客户要求，参照法规(EC) No 1907/2006(REACH)，对所提交样品中 235 种高关注物质(SVHC)进行筛选测试。 2.根据客户要求，对由欧盟成员国向欧盟化学管理局(ECHA)所提交的 1 种于 2021 年 6 月 1 日公布意向成为法规(EC) No 1907/2006(REACH)中高关注度物质(SVHC)的候选物质进行筛选测试。
Test Requested	1.As specified by client, to screen the 235 substances of very high concern (SVHC) under Regulation (EC) No 1907/2006 of REACH in the submitted sample(s). 2.As specified by client, to screen the 1 substance published on June 1st 2021 submitted by EU Member States to ECHA for intention for identification of substance of very high concern (SVHC) under Regulation (EC) No1907/2006 of REACH in the submitted sample(s).

检测报告
Test Report

检测结果1 Test Result(s) 1

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	浓度 Concentration (%) 002	报告检出限 Report Limit (%)
III	30	硼酸 Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.* [1]	0.01
III	31	②四硼酸钠，无水 Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.* [1]	0.01
III	32	②四硼酸钠，水合物 Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.* [1]	0.01
VII	74	三氧化二硼 Diboron trioxide*	1303-86-2	215-125-8	N.D.* [1]	0.01
XI	154	②过硼酸钠，水合物；过硼酸钠盐 Sodium perborate; perboric acid, sodium salt *****	15120-21-5 11138-47-9	239-172-9 234-390-0	N.D.* [1]	0.01
XI	155	②过硼酸钠，无水 Sodium peroxometaborate *****	7632-04-4	231-556-4	N.D.* [1]	0.01
XIX	186	八硼酸二钠 Disodium octaborate*	12008-41-2	234-541-0	N.D.* [1]	0.01
XXII	202	2-苄基-2-二甲基氨基-1-(4-吗啉苯基)丁酮 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.038	0.01
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.723	0.01
XXV	218	硼酸钠盐 Orthoboric acid, sodium salt *	13840-56-7	237-560-2	N.D.* [1]	0.01
XXVIII	228	偏硼酸钡 Barium diboron tetraoxide*	13701-59-2	237-222-4	N.D.* [1]	0.01
XXVIII	231	三聚氰胺 Melamine	108-78-1	203-615-4	0.319	0.05
-	-	其他 SVHC 物质（见候选清单） Other tested SVHC (See the candidate list)	-	-	N.D.	-

检测报告
Test Report

检测结果 2 Test Result(s) 2

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	浓度 Concentration (%)	报告检出限 Report Limit (%)
					002	
-	-	所有意向 SVHC 物质（见意向 SVHC 物质清单（2021 年 6 月 1 日公布）） All tested intention for identification of SVHC (See the list of intention for identification of SVHC (Published on June 1st 2021))	-	-	N.D.	-

检测依据 Test Method:

参考 US EPA 3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 进行样品预处理。
Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 for sample pretreatment.
采用 ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, HPLC-DAD 及 LC-MS-MS 分析。
Analyzed by ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, HPLC-DAD and LC-MS-MS.

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	002	黑色涂层 Black coating

备注 Remark:

1. 结果仅显示检出的 SVHC 物质/意向 SVHC 物质，低于报告检出限的 SVHC 物质/意向 SVHC 物质没有列出。所有测试的 SVHC 物质/意向 SVHC 物质见下页的 SVHC/意向 SVHC 候选清单。
   The table of tested result(s) only shows detected SVHC/intention for identification of SVHC, and SVHC/intention for identification of SVHC that below Report Limit are not reported. Please refer to the Candidate List of SVHC/ intention for identification of SVHC on next pages.
2. w/w % = 重量百分比 weight by weight; 0.1% = 1000mg/kg = 1000ppm
3. N.D. = 未检出 Not Detected (小于报告检出限<report limit)
4. *:该物质的浓度值是由物质中的特征元素测试结果换算而来。Concentration value of the substance by the conversion from the test results of certain elements.
   三丁基氧化锡(TBTO)、二丁基二氯化锡(DBTC)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE) 和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料、双(乙酰丙酮酸)二丁基锡、[二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数]的浓度值是由其特定化合物(三丁基锡(TBT)、二丁基锡(DBT)、二辛基锡(DOT)、单辛基锡(MOT))的结果换算而来。
   Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE), Dibutylbis(pentane-2,4-dionato-O,O')tin, [Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety] by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
5. **:在化学物质及其混合物的分类，标记与包装法规，即 CLP 法规(法规(EC)No 1272/2008)的附录 VI 中，索引号 650-017-00-8 适用于所有的耐火陶瓷纤维材料。All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation(Regulation (EC) No 1272/2008).
6. ***:C.I.:颜料索引号 Colour Index
7. ****:蒸馏所分离出来的轻油部分 Light fractions from distillation
8. *****:四硼酸钠，无水和四硼酸钠，水合物的浓度均由四硼酸钠浓度表示，没有考虑结晶水。过硼酸钠，水合物；过硼酸钠盐和过硼酸钠，无水的浓度均由过硼酸钠浓度表示，没有考虑结晶水。
   Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
9. ▲:甲醛与苯胺的低聚物的浓度值是由其特定化合物(2,4-二氨基二苯甲烷、4,4’-二氨基二苯基甲烷、2,2-二氨基二苯甲烷)的结果换算而来。Concentration value of Formaldehyde, oligomeric reaction products with aniline by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4’- Diaminodiphenylmethane, 2,2-Diaminodiphenylmethane).

10. ①: 由于这些物质是 UVCB 物质(未知成分或可变成分的，复杂反应物或生物材料的物质)，由各种不同的成分组成，所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。当其测试结果≥0.1% w/w 时，对于该物质是否存在于样品中需核查相应物料的 MSDS 或向供应商进行确认。In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking MSDS or requesting from suppliers.
11. ②:由于此物质含有多种物质，测试结果是基于此物质中最具有代表性的主要组成化合物的含量，其主要组成化合物的测试结果是基于特征元素的浓度换算而来。In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
12. *1: 测试样品中含有硼。根据客户声明，硼不以硼酸；四硼酸钠，无水；四硼酸钠，水合物；三氧化二硼；过硼酸钠，水合物；过硼酸钠盐；过硼酸钠，无水；八硼酸二钠；硼酸钠盐，偏硼酸钡物质存在。
The sample contains Boron. According to the declaration of the client, the element Boron in the submitted sample does not exist in the form of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide; Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate; Disodium octaborate; Orthoboric acid, sodium salt; Barium diboron tetraoxide.

注释 Note:

本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。
The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

检测报告
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SVHC 候选清单 Candidate List of SVHC

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
I	1	蒽 Anthracene	120-12-7	204-371-1	0.005
I	2	4,4'-二氨基二苯基甲烷 4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	0.005
I	3	邻苯二甲酸二丁酯 Dibutyl phthalate(DBP)	84-74-2	201-557-4	0.005
I	4	二氯化钴 Cobalt dichloride*	7646-79-9	231-589-4	0.01
I	5	五氧化二砷 Diarsenic pentaoxide*	1303-28-2	215-116-9	0.01
I	6	三氧化二砷 Diarsenic trioxide*	1327-53-3	215-481-4	0.01
I	7	重铬酸钠 Sodium dichromate*	7789-12-0 10588-01-9	234-190-3	0.01
I	8	二甲苯麝香 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	201-329-4	0.005
I	9	邻苯二甲酸二(2-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	0.005
I	10	六溴环十二烷 Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 221-695-9	0.005
I	11	短链氯化石蜡 Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	287-476-5	0.01
I	12	三丁基氧化锡 Bis(tributyltin) oxide (TBTO)*	56-35-9	200-268-0	0.005
I	13	砷酸氢铅 Lead hydrogen arsenate*	7784-40-9	232-064-2	0.01
I	14	邻苯二甲酸丁基苄酯 Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	0.005
I	15	三乙基砷酸酯 Triethyl arsenate*	15606-95-8	427-700-2	0.01
II	16	①蒽油 Anthracene oil	90640-80-5	292-602-7	0.05
II	17	①蒽油,蒽糊,轻油 Anthracene oil, anthracene paste, distn. lights ****	91995-17-4	295-278-5	0.05
II	18	①蒽油,蒽糊,蒽馏分 Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.05
II	19	①蒽油,含蒽量少 Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05
II	20	①蒽油,蒽糊 Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05
II	21	①煤焦油沥青,高温 Pitch, coal tar, high-temp.	65996-93-2	266-028-2	0.05

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
II	22	丙烯酰胺 Acrylamide	79-06-1	201-173-7	0.01
II	23	2,4-二硝基甲苯 2,4-dinitrotoluene	121-14-2	204-450-0	0.01
II	24	邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.005
II	25	②铬酸铅 Lead chromate	7758-97-6	231-846-0	0.05
II	26	②钼铬红(C.I.颜料红 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	0.05
II	27	②铅铬黄(C.I.颜料黄 34) Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	0.05
II	28	磷酸三(2-氯乙基)酯 Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	0.01
III	29	三氯乙烯 Trichloroethylene	79-01-6	201-167-4	0.005
III	30	硼酸 Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	0.01
III	31	②四硼酸钠，无水 Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.01
III	32	②四硼酸钠，水合物 Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	0.01
III	33	铬酸钠 Sodium chromate*	7775-11-3	231-889-5	0.01
III	34	铬酸钾 Potassium chromate*	7789-00-6	232-140-5	0.01
III	35	重铬酸铵 Ammonium dichromate*	7789-09-5	232-143-1	0.01
III	36	重铬酸钾 Potassium dichromate*	7778-50-9	231-906-6	0.01
IV	37	硫酸钴 Cobalt(Ⅱ) sulphate*	10124-43-3	233-334-2	0.01
IV	38	硝酸钴 Cobalt(Ⅱ) dinitrate*	10141-05-6	233-402-1	0.01
IV	39	碳酸钴 Cobalt(Ⅱ) carbonate*	513-79-1	208-169-4	0.01
IV	40	醋酸钴 Cobalt(Ⅱ) diacetate*	71-48-7	200-755-8	0.01
IV	41	乙二醇单甲醚 2-methoxyethanol	109-86-4	203-713-7	0.005
IV	42	乙二醇单乙醚 2-ethoxyethanol	110-80-5	203-804-1	0.005
IV	43	三氧化铬Chromium trioxide*	1333-82-0	215-607-8	0.01
IV	44	①铬酸及其低聚物、重铬酸及其低聚物Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01
V	45	乙二醇乙醚乙酸酯 2-ethoxyethyl acetate	111-15-9	203-839-2	0.01
V	46	铬酸锶 Strontium chromate*	7789-06-2	232-142-6	0.01
V	47	①1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	0.01
V	48	肼 Hydrazine	7803-57-8 302-01-2	206-114-9	0.01
V	49	N-甲基吡咯烷酮 1-methyl-2-pyrrolidone (NMP)	872-50-4	212-828-1	0.01

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V	50	1，2，3-三氯丙烷 1,2,3-trichloropropane	96-18-4	202-486-1	0.01
V	51	①邻苯二甲酸二C6-8支链烷基酯（C7富集）1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	0.01
VI	52	铬酸铬 Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01
VI	53	氢氧化铬酸锌钾 Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	0.01
VI	54	氢氧化铬酸锌 Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.01
VI	55	②硅酸铝耐火陶瓷纤维 Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	0.05
VI	56	②氧化锆硅酸铝耐火陶瓷纤维 Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	0.05
VI	57	①甲醛与苯胺的低聚物 Formaldehyde, oligomeric reaction products with aniline▲	25214-70-4	500-036-1	0.01
VI	58	邻苯二甲酸二甲氧基乙酯 Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.005
VI	59	2-甲氧基苯胺(邻甲氧基苯胺) 2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	0.005
VI	60	4-(1,1,3,3-四甲基丁基)苯酚 (别名：对特辛基苯酚) 4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	0.005
VI	61	1,2-二氯乙烷 1,2-dichloroethane	107-06-2	203-458-1	0.005
VI	62	双(2-甲氧基乙基)醚 (别名：二乙二醇二甲醚) Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.005
VI	63	砷酸 Arsenic acid*	7778-39-4	231-901-9	0.01
VI	64	砷酸钙 Calcium arsenate*	7778-44-1	231-904-5	0.01
VI	65	砷酸铅 Trilead diarsenate*	3687-31-8	222-979-5	0.01
VI	66	N,N-二甲基乙酰胺 N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005
VI	67	4,4'-亚甲基双(2-氯苯胺) 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005
VI	68	酚酞 Phenolphthalein	77-09-8	201-004-7	0.005
VI	69	叠氮化铅 Lead diazide, Lead azide*	13424-46-9	236-542-1	0.01
VI	70	2,4,6-三硝基间苯二酚铅 (别名：收敛酸铅) Lead styphnate*	15245-44-0	239-290-0	0.01
VI	71	苦味酸铅 Lead dipicrate*	6477-64-1	229-335-2	0.01
VII	72	1,2-二(2-甲氧基乙氧基)乙烷 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01

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VII	73	乙二醇二甲醚 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01
VII	74	三氧化二硼 Diboron trioxide*	1303-86-2	215-125-8	0.01
VII	75	甲酰胺 Formamide	75-12-7	200-842-0	0.01
VII	76	甲基磺酸铅 Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.01
VII	77	异氰尿酸三缩水甘油脂 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	0.01
VII	78	异氰脲酸 β-三缩水甘油酯 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	423-400-0	0.01
VII	79	4,4'-二(N,N-二甲氨基)二苯甲酮(米氏酮) 4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01
VII	80	4,4'-(对二甲氨基)二苯基甲烷 (米氏碱) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.01
VII	81	C.I.碱性紫 3 [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)***	548-62-9	208-953-6	0.01
VII	82	C.I.碱性蓝 26 [4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)***	2580-56-5	219-943-6	0.01
VII	83	C.I.溶剂蓝 4 α,α-Bis[4-(dimethylamino) phenyl]-4(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	229-851-8	0.01
VII	84	α, α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇 4,4'-bis(dimethylamino)- 4"-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01
VIII	85	十溴二苯醚 Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	0.05

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VIII	86	①4-壬基酚，分支或线性的壬基酚，包括含有 9 个碳烷基链的所有独立的同分异构体和所有含有线性或分支 9 个碳烷基链的 UVCB 物质 4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	-	0.05
VIII	87	偶氮二甲酰胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA)	123-77-3	204-650-8	0.05
VIII	88	对特辛基苯酚乙氧基醚 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	-	0.05
VIII	89	全氟十一烷酸 Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.05
VIII	90	全氟十三酸 Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.05
VIII	91	六氢邻苯二甲酸酐, 顺式-六氢邻苯二甲酸酐, 反式-六氢邻苯二甲酸酐 Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05
VIII	92	甲基六氢苯酐, 4-甲基六氢苯酐, 1-甲基六氢化邻苯二甲酸酐, 3-甲基六氢苯二甲酯酐 Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	0.05
VIII	93	全氟十四酸 Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	0.05
VIII	94	邻苯二甲酸二异戊酯 Diisopentyl phthalate (DIPP)	605-50-5	210-088-4	0.05
VIII	95	①支链和直链 1,2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05
VIII	96	邻苯二甲酸正戊基异戊基酯 n-pentyl-isopentylphthalate	776297-69-9	933-378-9	0.05
VIII	97	甲氧基乙酸 Methoxyacetic acid	625-45-6	210-894-6	0.05
VIII	98	全氟十二烷酸 Tricosafluorododecanoic acid	307-55-1	206-203-2	0.05
VIII	99	乙二醇二乙醚 1,2-diethoxyethane	629-14-1	211-076-1	0.05

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VIII	100	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.05
VIII	101	2,4-二氨基甲苯 4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	0.05
VIII	102	N-甲基乙酰胺 N-methylacetamide	79-16-3	201-182-6	0.05
VIII	103	氧化铅与硫酸铅的复合物 Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.01
VIII	104	4-氨基联苯 Biphenyl-4-ylamine	92-67-1	202-177-1	0.05
VIII	105	地乐酚 Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.05
VIII	106	双(十八酸基)二氧代三铅 Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.01
VIII	107	硝酸铅 Lead dinitrate*	10099-74-8	233-245-9	0.01
VIII	108	三碱式硫酸铅 Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.01
VIII	109	氧化铅 Lead monoxide (lead oxide)*	1317-36-8	215-267-0	0.01
VIII	110	钛酸铅 Lead titanium trioxide*	12060-00-3	235-038-9	0.01
VIII	111	4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05
VIII	112	碱式乙酸铅 Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.01
VIII	113	硫酸二甲酯 Dimethyl sulphate	77-78-1	201-058-1	0.05
VIII	114	呋喃 Furan	110-00-9	203-727-3	0.05
VIII	115	颜料黄 41 Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.01
VIII	116	四乙基铅 Tetraethyllead*	78-00-2	201-075-4	0.01
VIII	117	二盐基邻苯二甲酸铅 [Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	0.01
VIII	118	硫酸二乙酯 Diethyl sulphate	64-67-5	200-589-6	0.05
VIII	119	氨基氰铅盐 Lead cyanamidate*	20837-86-9	244-073-9	0.01
VIII	120	掺杂铅的硅酸钡 Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	0.01
VIII	121	磷酸氧化铅 Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.01
VIII	122	邻甲基苯胺 *o*-Toluidine	95-53-4	202-429-0	0.05
VIII	123	邻氨基偶氮甲苯 *o*-aminoazotoluene	97-56-3	202-591-2	0.05
VIII	124	4-对氨基偶氮苯 4-aminoazobenzene	60-09-3	200-453-6	0.05
VIII	125	6-甲氧基-间甲苯胺 6-methoxy-*m*-toluidine (*p*-cresidine)	120-71-8	204-419-1	0.05
VIII	126	二丁基二氯化锡 Dibutyltin dichloride (DBTC)*	683-18-1	211-670-0	0.05
VIII	127	钛酸铅锆 Lead titanium zirconium oxide*	12626-81-2	235-727-4	0.01

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VIII	128	环氧丙烷 Methyloxirane (Propylene oxide)	75-56-9	200-879-2	0.05
VIII	129	1-溴代正丙烷 1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.05
VIII	130	碱式碳酸铅 Trilead bis(carbonate) dihydroxide*	1319-46-6	215-290-6	0.01
VIII	131	C16-18-脂肪酸铅盐 Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.01
VIII	132	四氧化三铅 Orange lead (lead tetroxide)*	1314-41-6	215-235-6	0.01
VIII	133	二碱式亚硫酸铅(II) Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.01
VIII	134	4,4'-二氨基二苯醚及其盐 4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05
VIII	135	碱式硫酸铅 Lead oxide sulfate*	12036-76-9	234-853-7	0.01
VIII	136	四氟硼酸铅 Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.01
VIII	137	硅酸铅 Silicic acid, lead salt*	11120-22-2	234-363-3	0.01
VIII	138	N,N-二甲基甲酰胺 N,N-dimethylformamide	68-12-2	200-679-5	0.05
IX	139	镉 Cadmium	7440-43-9	231-152-8	0.01
IX	140	氧化镉 Cadmium oxide*	1306-19-0	215-146-2	0.01
IX	141	邻苯二甲酸二戊酯 Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.01
IX	142	①乙氧基化的支链和直链的 4-壬基酚（直链和/或支链的具有 9 个碳原子的烷基链共价键合在 4 位的乙氧基酚，囊括了 UVCB 和定义明确的物质，聚合物及同系物，其中包括任何单独的异构体和/或它们的组合）4-Nonylphenol, branched and linear, ethoxylated *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]*	-	-	0.05
IX	143	全氟辛酸铵 Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.01
IX	144	全氟辛烷酸 Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01
X	145	①磷酸三(二甲苯)酯 Trixylyl phosphate	25155-23-1	246-677-8	0.01

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X	146	C.I.直接黑 38 Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo) naphthalene-2,7-disulphonate (C.I. Direct Black 38)***	1937-37-7	217-710-3	0.01
X	147	邻苯二甲酸二己酯 Dihexyl phthalate	84-75-3	201-559-5	0.01
X	148	硫化镉 Cadmium sulphide*	1306-23-6	215-147-8	0.01
X	149	C.I.直接红 28 Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	209-358-4	0.01
X	150	醋酸铅(Ⅱ) Lead di(acetate)*	301-04-2	206-104-4	0.01
X	151	1,2-亚乙基硫脲 Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01
XI	152	①邻苯二甲酸二己酯，直链和支链 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.01
XI	153	氯化镉 Cadmium chloride *	10108-64-2	233-296-7	0.01
XI	154	②过硼酸钠，水合物；过硼酸钠盐 Sodium perborate; perboric acid, sodium salt *****	15120-21-5 11138-47-9	239-172-9 234-390-0	0.01
XI	155	②过硼酸钠，无水 Sodium peroxometaborate *****	7632-04-4	231-556-4	0.01
XII	156	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 2-(2H-Benzotriazol-2-yl)- 4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.01
XII	157	2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑 2-Benzotriazol-2-yl-4,6- di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.01
XII	158	二正辛基-双(巯乙酸2-乙基己酯)锡 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate (DOTE)*	15571-58-1	239-622-4	0.05
XII	159	氟化镉 Cadmium fluoride*	7790-79-6	232-222-0	0.01
XII	160	硫酸镉 Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XII	161	①二正辛基-双(巯乙酸2-乙基己酯)锡(DOTE)和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料 Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4- [[2-[(2-ethylhexyl)oxy]-2-oxoethyl] thio]-4-octyl-7- oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)*	-	-	0.05
XIII	162	①1,2-苯二羧酸, 二-C6-10-烷基酯；（葵基，己基，辛基）酯与1,2-苯二甲酸的复合物，其邻苯二甲酸二己酯含量≥0.3% (EC No. 201-559-5) 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2- benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	0.05
XIII	163	①5-仲丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1]，5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]（卡拉花醛及其异构体以及它们的混合物）5-sec-butyl-2-(2,4- dimethylcyclohex-3-en-1-yl)-5- methyl-1,3-dioxane [1], 5-sec- butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	-	0.05
XIV	164	硝基苯 Nitrobenzene	98-95-3	202-716-0	0.01
XIV	165	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.01
XIV	166	2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	253-037-1	0.01
XIV	167	1,3-丙烷磺内酯 1,3-propanesultone	1120-71-4	214-317-9	0.01
XIV	168	全氟壬酸及其钠和铵盐 Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3 - -	0.01
XV	169	苯并(a)芘 Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.01
XVI	170	双酚 A 4,4'-isopropylidenediphenol (bisphenol A) (BPA)	80-05-7	201-245-8	0.01
XVI	171	全氟癸酸(PFDA)及其钠盐和铵盐 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	221-470-5 206-400-3 -	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XVI	172	4-(1,1-二甲基丙基)苯酚 (别名：对叔戊基苯酚) *p*-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.01
XVI	173	①支链与直链的 4-庚基酚(直链和/或支链的具有 7 个碳原子的烷基链共价键在 4 位的苯酚，囊括了 UVCB 和定义明确的物质，其中包括任何单独异构体和/或它们的组合) 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	0.05
XVII	174	全氟己基磺酸及其盐 Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.0005
XVIII	175	得克隆(包括其所有反式和顺式异构体及其组合) Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	-	0.01
XVIII	176	苯并[a]蒽Benzo[a]anthracene	56-55-3	200-280-6	0.01
XVIII	177	硝酸镉Cadmium nitrate*	10325-94-7	233-710-6	0.01
XVIII	178	碳酸镉Cadmium carbonate*	513-78-0	208-168-9	0.01
XVIII	179	氢氧化镉Cadmium hydroxide*	21041-95-2	244-168-5	0.01
XVIII	180	䓛Chrysene	218-01-9	205-923-4	0.01
XVIII	181	①1,3,4-噻二唑烷-2,5-二硫酮，甲醛和4-庚基苯酚的支链和直链(RP-HP)的反应产物[4-庚基苯酚，支链和直链含量≥0.1% w/w] Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]	-	-	0.05
XIX	182	八甲基环四硅氧烷 Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01
XIX	183	十甲基环五硅氧烷 Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01
XIX	184	十二甲基环六硅氧烷 Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01
XIX	185	铅 Lead	7439-92-1	231-100-4	0.01
XIX	186	八硼酸二钠 Disodium octaborate*	12008-41-2	234-541-0	0.01
XIX	187	苯并(g,h,i)苝 Benzo[ghi]perylene	191-24-2	205-883-8	0.01
XIX	188	①氢化三联苯 Terphenyl, hydrogenated	61788-32-7	262-967-7	0.01
XIX	189	乙二胺 Ethylenediamine (EDA)	107-15-3	203-468-6	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XIX	190	偏苯三酸酐 Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.01
XIX	191	邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.01
XX	192	4,4'-(1,3-二甲基丁基)二苯酚 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.01
XX	193	苯并[k]荧蒽 Benzo[k]fluoranthene	207-08-9	205-916-6	0.01
XX	194	荧蒽 Fluoranthene	206-44-0	205-912-4	0.01
XX	195	菲 Phenanthrene	85-01-8	201-581-5	0.01
XX	196	芘 Pyrene	129-00-0	204-927-3	0.01
XX	197	1,7,7-三甲基-3-(苯亚甲基)双环[2,2,1]庚-2-酮 1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	239-139-9	0.01
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(HFPO-DA) 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	0.01
XXI	199	甲二醇乙醚乙酸酯 2-methoxyethyl acetate	110-49-6	203-772-9	0.01
XXI	200	4-叔丁基苯酚 4-tert-butylphenol	98-54-4	202-679-0	0.01
XXI	201	①三(壬基苯基)亚磷酸酯(TNPP)其中4-壬基苯酚(支链和直链) (4-NP)含量大于等于0.1 % Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01
XXII	202	2-苄基-2-二甲基氨基-1-(4-吗啉苯基)丁酮 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.01
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01
XXII	204	邻苯二甲酸二异己酯 Diisohexyl phthalate	71850-09-4	276-090-2	0.01
XXII	205	全氟丁烷磺酸(PFBS)及其盐 Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01
XXIII	206	1-乙烯基咪唑 1-vinylimidazole	1072-63-5	214-012-0	0.01
XXIII	207	2-甲基咪唑 2-methylimidazole	693-98-1	211-765-7	0.01
XXIII	208	对羟基苯甲酸丁酯 Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XXIII	209	双(乙酰丙酮酸)二丁基锡 Dibutylbis(pentane-2,4-dionato-O,O')tin *	22673-19-4	245-152-0	0.05
XXIV	210	四乙二醇二甲醚 bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01
XXIV	211	二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数 Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety *	-	-	0.05
XXV	212	1,4-二恶烷 1,4-dioxane	123-91-1	204-661-8	0.01
XXV	213	2,2-双(溴甲基) -1,3-丙二醇 三溴新戊醇/3-溴-2,2-二溴乙基丙醇 2,3-二溴丙醇 2,2-bis(bromomethyl) propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	221-967-7 253-057-0 202-480-9	0.01
XXV	214	2-(4-叔丁基苄基)丙醛及其立体异构体 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	0.01
XXV	215	2,2-二(4-羟基苯基)丁烷(双酚 B) 4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	201-025-1	0.01
XXV	216	戊二醛 Glutaral	111-30-8	203-856-5	0.01
XXV	217	①中链氯化石蜡 (UVCB 物质，由≥80%的直链氯代烷烃组成，碳链长度在 C14 到 C17 之间) Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	-	0.01
XXV	218	硼酸钠盐 Orthoboric acid, sodium salt *	13840-56-7	237-560-2	0.01
XXV	219	①烷基酚，碳链(C12 为主，直链或支链)主要在对位，包括其任何单个异构体或组合 Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	0.01

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XXVI	220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]双环[2.2.1]庚-2-酮，包括任何单独的异构体和/或其组合 (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	0.01
XXVI	221	2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚) 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	204-327-1	0.01
XXVI	222	S-(三环[5.2.1.0^{2,6}]癸-3-烯-8(或 9)-基)O-(异丙基或异丁基或 2-乙基己基)O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯 S-(tricyclo[5.2.1.0^{2,6}]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	0.01
XXVI	223	乙烯基-三(2-甲氧基乙氧基)硅烷 tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.01
XXVII	224	N-羟甲基丙烯酰胺 N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01
XXVIII	225	1,2-二(2,4,6-三溴苯氧基)乙烷 1,1'-[ethane-1,2-diylbisoxy]bis [2,4,6-tribromobenzene]	37853-59-1	253-692-3	0.01
XXVIII	226	四溴双酚 A 2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol (TBBPA)	79-94-7	201-236-9	0.01
XXVIII	227	双酚 S 4,4'-sulphonyldiphenol (BPS)	80-09-1	201-250-5	0.01
XXVIII	228	偏硼酸钡 Barium diboron tetraoxide*	13701-59-2	237-222-4	0.01
XXVIII	229	3,4,5,6-四溴-1,2-苯二羧酸双(2-乙基己基)酯，包括任何单独的异构体和/或其组合 Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	0.01
XXVIII	230	4-羟基苯甲酸 2-甲基丙酯 Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	0.01
XXVIII	231	三聚氰胺 Melamine	108-78-1	203-615-4	0.05
XXVIII	232	全氟庚酸及其盐 Perfluoroheptanoic acid and its salts	-	-	0.01
XXVIII	233	2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)吗啉和 2,2,3,3,5,5,6,6-八氟烷-4-(七氟丙基)吗啉的反应物料 Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	473-390-7	0.05

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批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
XXIX	234	二苯基(2,4,6-三甲基苯甲酰基)氧化膦 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	0.01
XXIX	235	4,4'-二氯二苯砜 Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	0.01

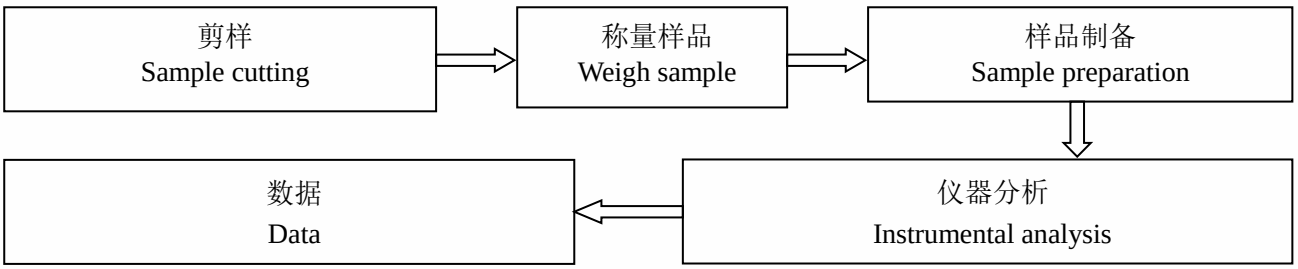
意向 SVHC 物质清单（2021 年 6 月 1 日公布）
List of intention for identification of SVHC (Published on June 1st 2021)

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.	报告检出限 Report Limit (%)
-	1	间苯二酚 Resorcinol	108-46-3	203-585-2	0.01

附加信息 Appendix:

1. 根据欧盟 REACH 法规（编号 1907/2006）第 33 条款之规定，物品类产品如果含有候选列表上的高度关注物质且在物品中的质量百分比超过 0.1%时，物品供应方需履行相关信息传递义务:
   Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
   1) 物品供应方应提供给接收方关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
   2) 应消费者请求，物品供应方应在 45 天内免费提供关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
2. 根据欧盟 REACH 法规（编号 1907/2006）第 31 条款及附件 2 之规定，提供高度关注物质的物质类产品供应方，应免费提供接收方该物质的安全数据表。The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
3. 根据欧盟 REACH 法规（编号 1907/2006）第 31、32 条款及附件 2 之规定，提供含有高度关注物质的混合物产品供应方需传递相关信息:
   The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
   1) 如果混合物产品按照 1999/45/EC 被判定为危险品时，供应方应免费提供产品的安全数据表。Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
   2) 如果混合物产品按照 1999/45/EC 判定并非危险品，但是任一高度关注物质在非气体混合物中质量分数超过 0.1%或在气体混合物中体积分数超过 0.2%，供应方也应免费提供产品的安全数据表。Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.

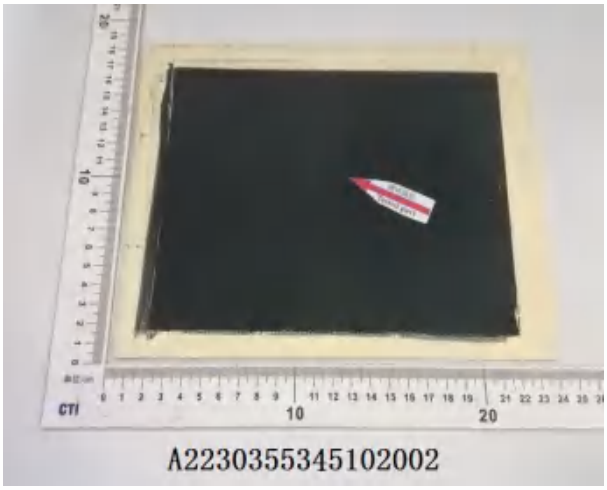
检测流程 Test Process



检测报告
Test Report

样品图片

Photo(s) of the sample(s)



声明 Statement：

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效；
   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未经 CTI 书面同意，不得部分复制本报告；
   Without written approval of CTI, this report can’t be reproduced except in full;
5. 如检测报告中的英文内容与中文内容有差异，以中文为准。
   In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
*** End of Report ***

附录 Appendix

客户参考信息 Client Reference Information

HT-50/HT-50H 系列 混合样

（BK、WB、CE、ME、PT、PS、GS、PF、GF、DI、WL、MBK、GP、BKP、GT、MK、H 等）

HT-50/HT-50H Series Mixed Sample

（BK、WB、CE、ME、PT、PS、GS、PF、GF、DI、WL、MBK、GP、BKP、GT、MK、H Etc）

声明 Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性。
   The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. 附录内容为 A2230355345102002E 报告的补充。
   The Appendix Information is/are the supplement(s) for the Report A2230355345102002E.

SGS

Test Report. No. CANEC2301145809 Date: 08 Feb 2023

Client Name : FUJIAN ZIJIN COPPER CO.,LTD

Client Address : NAN GANG DEVELOPMENT PARK SHANGHANG FUJIAN

Sample Name : BRONZE：C5210

The above sample(s) and information were provided by the client.

SGS Job No. : 23319230 - XM

Date of Sample Received : 01 Feb 2023

Testing Period : 01 Feb 2023 - 08 Feb 2023

Test Requested : Selected test(s) as requested by the client.

Test Method(s) : Please refer to next page(s).

Test Result(s) : Please refer to next page(s).

Result Summary :

Test Report.	Conclusion.
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU-Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	PASS
Halogen	See Results
Elementary Analysis	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie Li
Approved Signatory

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Test Result(s) :

Test Part Description :

[redacted]	[redacted]	[redacted]
SN1	CAN23-011458.002	Copper-colored metal sheet

Remarks :

(1) 1 mg/kg = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

[redacted]

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015 , IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

Test Item(s)	Limit	Unit	MDL	002
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▾	-	μg/cm²	0.10	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit	MDL	002
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Notes :

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series
(3) ▾= a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 μg/cm². The sample coating is considered to contain CrVI
b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 μg/cm²). The coating is considered a non-CrVI based coating
c. The result between 0.10 μg/cm² and 0.13 μg/cm² is considered to be inconclusive - unavoidable coating variations may influence the determination
Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Halogen.

Test Method : With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit	MDL	002
Fluorine (F)	mg/kg	50	ND
Chlorine (Cl)	mg/kg	50	ND
Bromine (Br)	mg/kg	50	ND
Iodine (I)	mg/kg	50	ND

Heavy metals.

Test Method : SGS In-house method (GZTC CHEM-TOP-009-01, with reference to EPA 3050B:1996), analysis was performed by ICP-OES.

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Test Item(s)	Unit	MDL	*002*
Beryllium (Be)	mg/kg	5	ND
Antimony (Sb)	mg/kg	10	ND

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w* =0) stated in ILAC-G8:09/2019.

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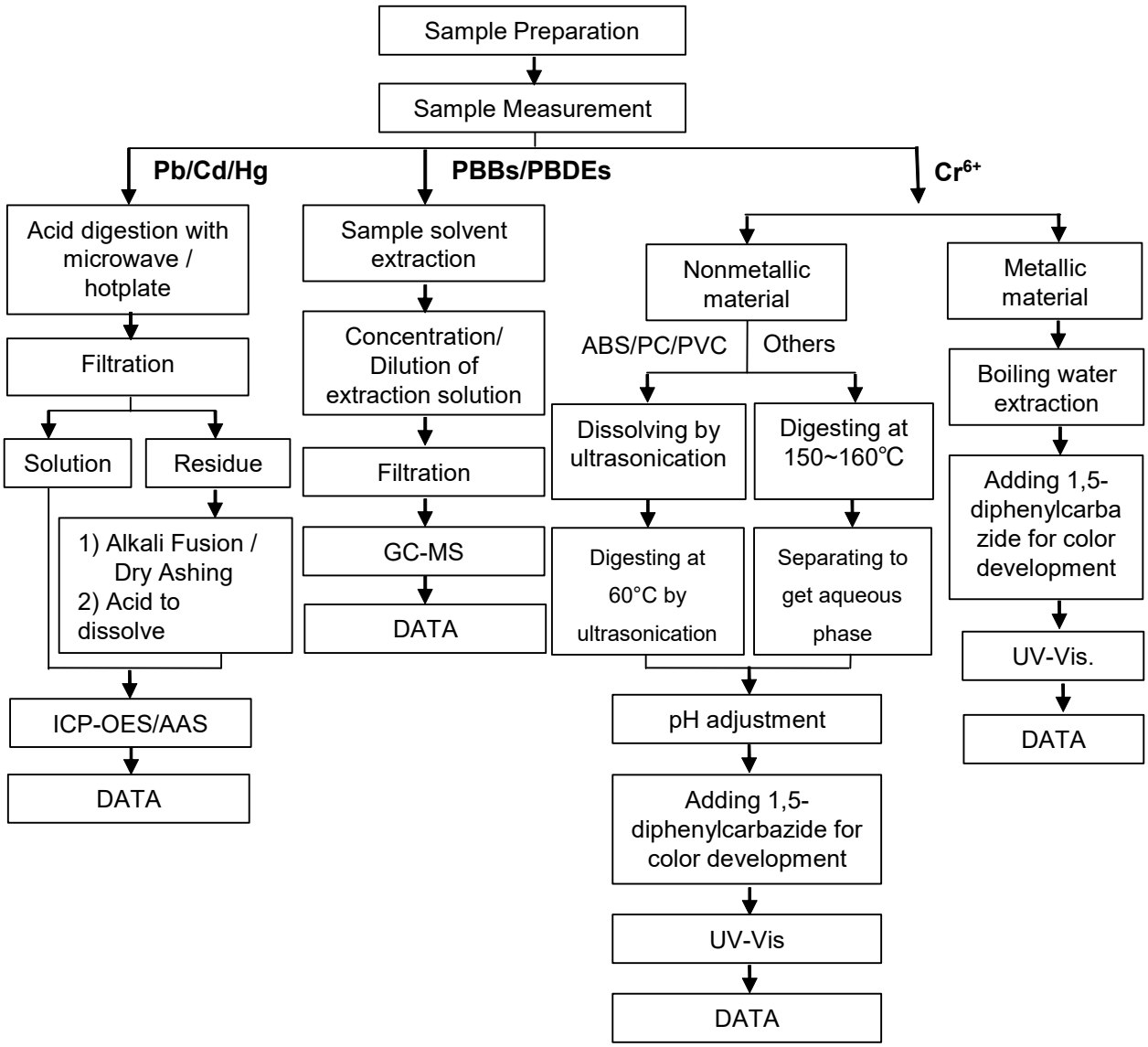
ATTACHMENTS

Pb/Cd/Hg/Cr^{6+}/PBBs/PBDEs Testing Flow Chart

1) These samples were dissolved totally by pre -conditioning method according to below flow chart. (Cr^{6+} and PBBs/PBDEs test method excluded).



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ATTACHMENTS

Phthalates Testing Flow Chart

Sample cutting / preparation

↓

Sample Measurement

↓

Solvent extraction

↓

Concentration/Dilution

↓

Filtration

↓

GC-MS

↓

DATA

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ATTACHMENTS

Halogen Testing Flow Chart

Sample cutting / preparation

↓

Sample Measurement

↓

Combustion in a closed system containing oxygen

↓

Dissolved in an absorption solution

↓

Filtration

↓

Analyzed by ion chromatography. Double confirm by other instruments, if necessary

↓

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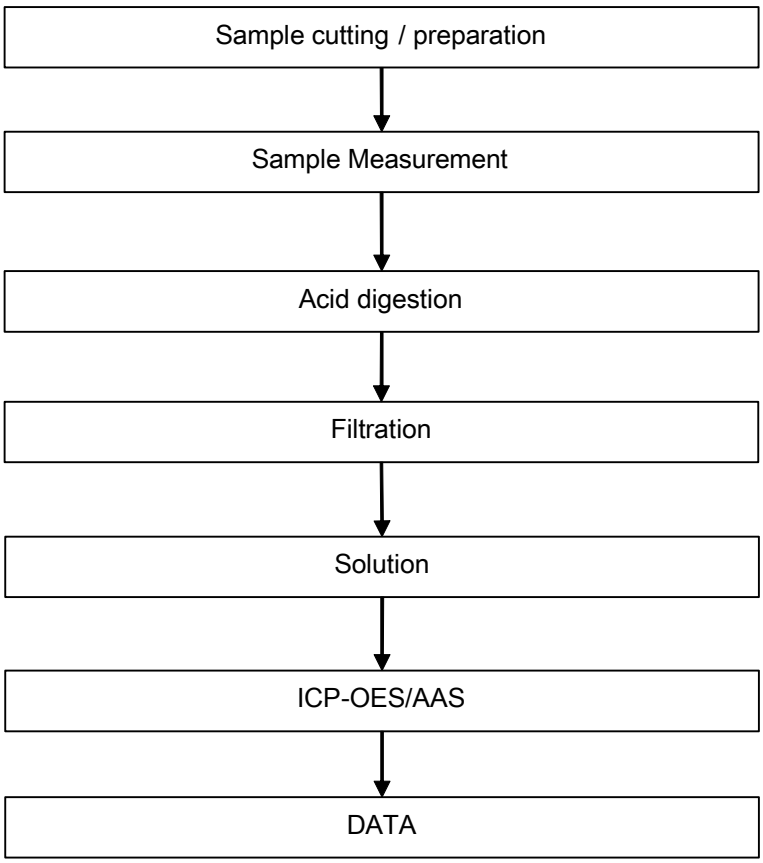
ATTACHMENTS

Elementary Testing Flow Chart



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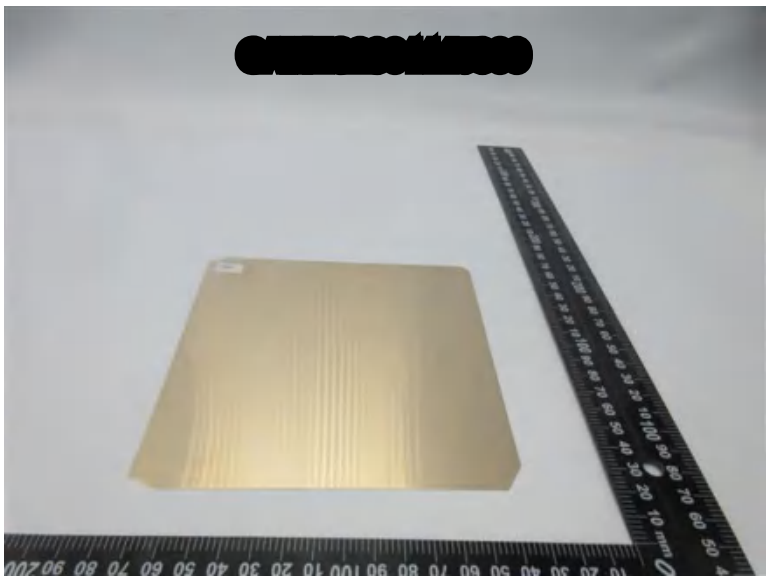
Sample photo:



CAN23-011458.002

SGS authenticate the photo on original report only

*** End of Report ***

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Client Name : FUJIAN ZIJIN COPPER CO.,LTD
Client Address : NAN GANG DEVELOPMENT PARK SHANGHANG FUJIAN

Sample Name : BRONZE：C5210
The above sample(s) and information were provided by the client.

SGS Job No. : 23319230 - XM

Date of Sample Received : 01 Feb 2023

Testing Period : 01 Feb 2023 - 08 Feb 2023

Test Requested : As requested by client, SVHC screening is performed according to:
(i) Two hundred and thirty-three (233) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 17, 2023 regarding Regulation (EC) No 1907/2006 concerning the REACH.
(ii) One (1) potential Substances of Very High Concern (SVHC) in the notification of WTO on Jun 1, 2021.

Test Result(s) : Please refer to next page(s).

Summary :

According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the submitted sample.	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie Li
Approved Signatory

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA: http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   SGS adopts the ruling of the Court of Justice of the European Union on the definition of an article under REACH unless indicated otherwise. Detail explanation is available at the following link:
   http://www.sgs.com/-/media/global/documents/technical-documents/technical-bulletins/sgs-crs-position-statement-on-svhc-in-articles-a4-en-16-06.pdf?la=en

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety

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[redacted]

Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:
(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits.

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

[redacted]

Sample Description :

[redacted]	[redacted]	[redacted]
SN1	CAN23-011458.002	Copper-colored metal sheet

[redacted]

SGS In-House method- SGS-CCL-TOP-092-01, SGS-CCL-TOP-092-02, Analyzed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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[redacted]

[redacted]

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
-	All tested SVHC in candidate list	-	ND	-

[redacted]

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
-	All tested Potential SVHC	-	ND	-

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Notes :

1.The table above only shows detected SVHC, and SVHC that below RL are not reported.
Please refer to Appendix for the full list of tested SVHC.
2.RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.) ND = Not detected (lower than RL),
ND is denoted on the SVHC substance.
3.* The test result is based on the calculation of selected element(s) and to the worst-case scenario.
** The test result is based on the calculation of selected marker(s) and to the worst-case scenario.
4. RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium, cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.
5. Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
6. § The substance is proposed for the identification as SVHC only where it contains
Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).
7. / = Potential SVHC
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
I	1	4,4' -Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	7789-12-0, 10588-01-9	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Acrylamide	79-06-1	0.050
II	18	Anthracene oil**	90640-80-5	0.050
II	19	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	20	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050

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II	21	Anthracene oil, anthracene paste, distn. lights**	91995-17-4	0.050
II	22	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	23	Diisobutyl phthalate	84-69-5	0.050
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead chromate*	7758-97-6	0.005
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	27	Pitch, coal tar, high temp.**	65996-93-2	0.050
II	28	Tris(2-chloroethyl)phosphate	115-96-8	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	1303-96-4, 1330-43-4, 12179-04-3	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005

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IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	7803-57-8, 302-01-2	0.050
V	51	Strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres *	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050

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VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate) *	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)§	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005

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VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005

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VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005

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VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005

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VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005

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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
XII	156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4, 31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.050
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.050
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050

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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050

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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
XIX	188	Ethylenediamine	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4- methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.050
XXI	199	2-methoxyethyl acetate	110-49-6	0.050
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl,branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050

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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050

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[redacted]

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	0.050
/	234	Resorcinol	108-46-3	0.050

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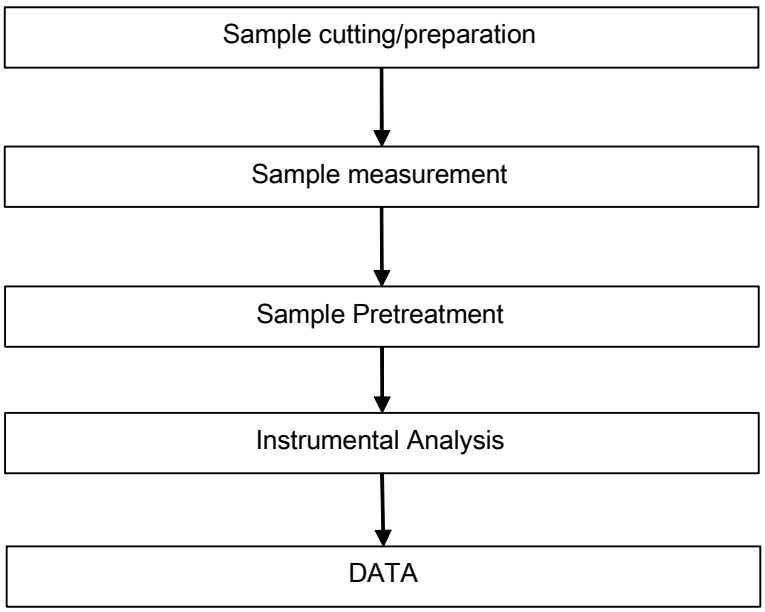
ATTACHMENTS

SVHC Testing Flow Chart



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Sample photo:

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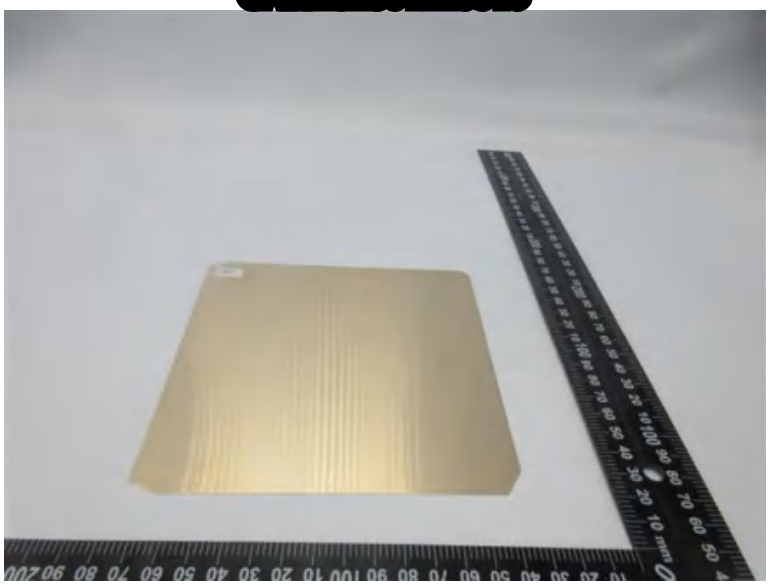

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Test Report

No.: ETR23705931 Date: 04-Aug-2023

SHINKONG SYNTHETIC FIBERS CORPORATION
SHINKONG APPLIED MATERIALS (JIANGSU) COMPANY LIMITED
LOTUS BUILDING, 5F, NO.136, SEC.3, REN AI ROAD, DA AN DISTRICT, TAIPEI CITY 10657, TAIWAN
NO.1, HUAFA ROAD, TANGZHOU ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, YANGZHOU JIANGSU, CHINA

The following sample(s) was/were submitted and identified by the applicant as:

Sample Submitted By	:	SHINKONG SYNTHETIC FIBERS CORPORATION
Sample Name	:	THERMOPLASTIC POLYESTER RESIN
Style/Item No.	:	SHINITE ® PBT D201BK, D201G10BK , D201G15BK , D201G20BK, D201G30BK

==========

Sample Receiving Date	:	28-Jul-2023
Testing Period	:	28-Jul-2023 to 04-Aug-2023

Test Requested : Testing item(s) is/are specified by client. Please refer to result table for testing item(s).

Test Results : Please refer to following pages.

Troy Chang / Department Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

PIN CODE: 781D5341

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NO.1, HUAFA ROAD, TANGZHOU ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, YANGZHOU JIANGSU, CHINA

Test Part Description

No.1 : MIXED ALL BLACK PLASTIC PELLETS

Test Result(s)

Test Item(s)	Method	Unit	MDL	Result
				No.1
Cadmium (Cd)	With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Lead (Pb)		mg/kg	2	2.55
Mercury (Hg)	With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Hexavalent Chromium Cr(VI)	With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.	mg/kg	8	n.d.
Monobromobiphenyl	With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.	mg/kg	5	n.d.
Dibromobiphenyl		mg/kg	5	n.d.
Tribromobiphenyl		mg/kg	5	n.d.
Tetrabromobiphenyl		mg/kg	5	n.d.
Pentabromobiphenyl		mg/kg	5	n.d.
Hexabromobiphenyl		mg/kg	5	n.d.
Heptabromobiphenyl		mg/kg	5	n.d.
Octabromobiphenyl		mg/kg	5	n.d.
Nonabromobiphenyl		mg/kg	5	n.d.
Decabromobiphenyl		mg/kg	5	n.d.
Sum of PBBs		mg/kg	-	n.d.
Monobromodiphenyl ether		mg/kg	5	n.d.
Dibromodiphenyl ether		mg/kg	5	n.d.
Tribromodiphenyl ether		mg/kg	5	n.d.
Tetrabromodiphenyl ether		mg/kg	5	n.d.
Pentabromodiphenyl ether		mg/kg	5	n.d.
Hexabromodiphenyl ether		mg/kg	5	n.d.
Heptabromodiphenyl ether		mg/kg	5	n.d.
Octabromodiphenyl ether		mg/kg	5	n.d.
Nonabromodiphenyl ether		mg/kg	5	n.d.
Decabromodiphenyl ether		mg/kg	5	n.d.
Sum of PBDEs		mg/kg	-	n.d.

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NO.1, HUAFA ROAD, TANGZHOU ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, YANGZHOU JIANGSU, CHINA

Test Item(s)	Method	Unit	MDL	Result
				No.1
Butyl benzyl phthalate (BBP)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.
Dibutyl phthalate (DBP)		mg/kg	50	n.d.
Di-(2-ethylhexyl) phthalate (DEHP)		mg/kg	50	n.d.
Diisobutyl phthalate (DIBP)		mg/kg	50	n.d.
Diisodecyl phthalate (DIDP) (CAS No.: 26761-40-0, 68515-49-1)		mg/kg	50	n.d.
Diisononyl phthalate (DINP) (CAS No.: 28553-12-0, 68515-48-0)		mg/kg	50	n.d.
Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)		mg/kg	50	n.d.
Diundecyl phthalate (DUP) (CAS No.: 3648-20-2)		mg/kg	50	n.d.
Di-n-pentyl phthalate (DNPP) (CAS No.: 131-18-0)		mg/kg	50	n.d.
Bis(2-methoxyethyl) phthalate (DMEP) (CAS No.: 117-82-8)		mg/kg	50	n.d.
Dipropylheptyl phthalate (CAS No.: 53306-54-0)		mg/kg	50	n.d.
Di-n-hexyl phthalate (DNHP) (CAS No.: 84-75-3)		mg/kg	50	n.d.
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α- HBCDD, β- HBCDD, γ-HBCDD) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	With reference to IEC 62321-9: 2021, analysis was performed by GC/MS.	mg/kg	20	n.d.
Chlorine (Cl) (CAS No.: 22537-15-1)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	127
Bromine (Br) (CAS No.: 10097-32-2)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	n.d.

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SHINKONG SYNTHETIC FIBERS CORPORATION
SHINKONG APPLIED MATERIALS (JIANGSU) COMPANY LIMITED
LOTUS BUILDING, 5F, NO.136, SEC.3, REN AI ROAD, DA AN DISTRICT, TAIPEI CITY 10657, TAIWAN
NO.1, HUAFA ROAD, TANGZHOU ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, YANGZHOU JIANGSU, CHINA

Test Item(s)	Method	Unit	MDL	Result
				No.1
Medium Chain Chlorinated Paraffins(C14-C17) (MCCP) (CAS No.: 85535-85-9)	With reference to ISO 18219-2: 2021, analysis was performed by GC/MS.	mg/kg	50	n.d.
Tetrabromobisphenol A (TBBP-A) (CAS No.: 79-94-7)	With reference to RSTS-E&E-121, analysis was performed by LC/MS.	mg/kg	10	n.d.

Note：

1. mg/kg = ppm；0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected (Less than MDL)
4. "-" = Not Regulated
5. The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

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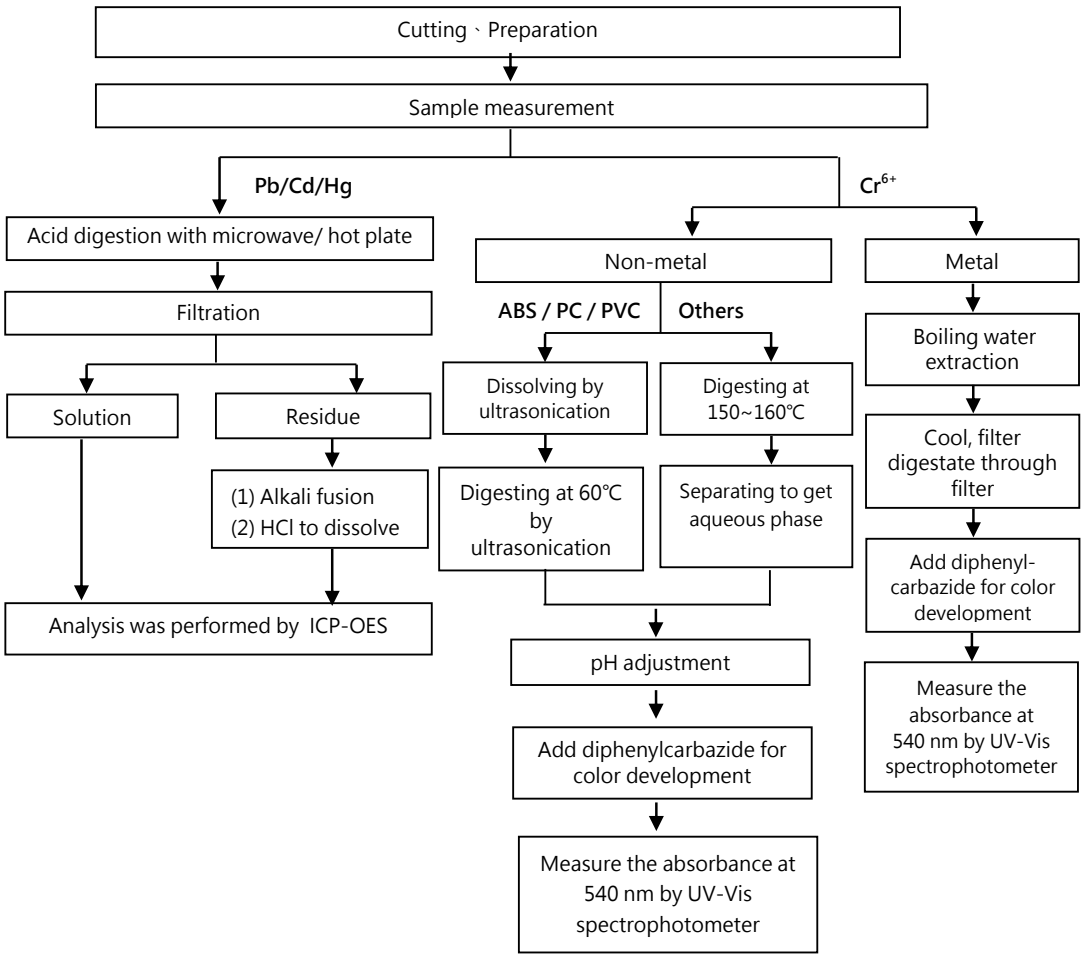
Analytical flow chart of heavy metal

These samples were dissolved totally by pre-conditioning method according to below flow chart.

(Cr^{6+} test method excluded)



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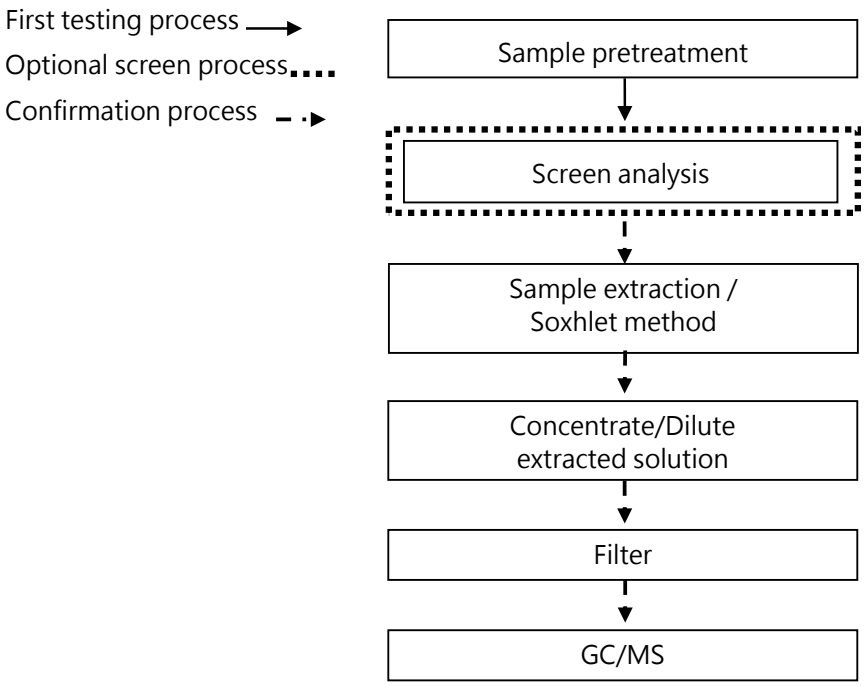
Analytical flow chart – PBBs / PBDEs



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Analytical flow chart - Phthalate

【Test method: IEC 62321-8】

Sample pretreatment/separation
↓
Sample dissolved/extracted by THF
↓
Dilute extracted solution
↓
Analysis was performed by GC/MS

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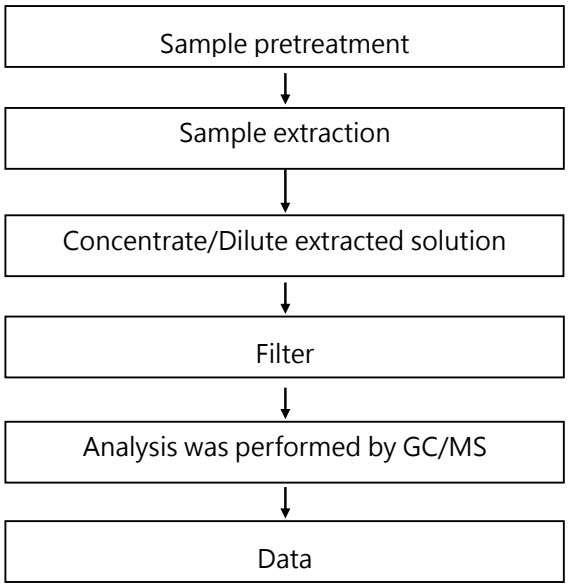
Analytical flow chart - HBCDD



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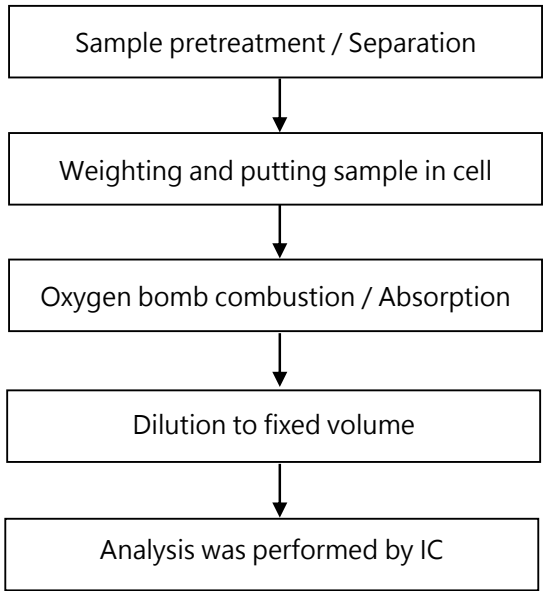
Analytical flow chart - Halogen



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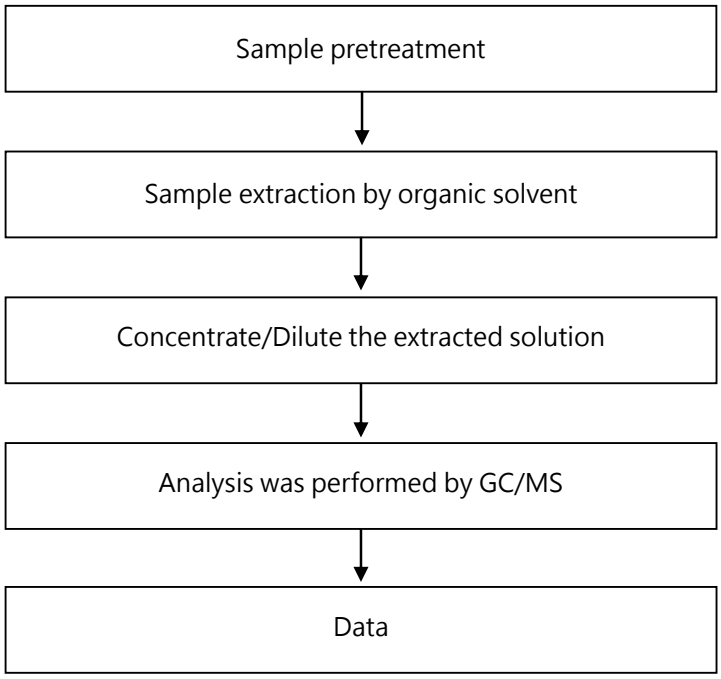
Analytical flow chart

* Apply to: PCBs, PCNs, PCTs, Mirex, Chlorinated Paraffins, DBBT



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Analytical flow chart - TBBP-A

Sample pretreatment
↓
Sample extraction by ultrasonic extraction
↓
Concentrate/Dilute extracted solution
↓
Analysis was performed by LC/MS
↓
Data

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*** The tested sample / part is marked by an arrow if it's shown on the photo. ***

ETR23705931

** End of Report **

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检测报告

报告编号 A2230344477101001C

报告抬头公司名称 翊腾电子科技（昆山）有限公司
地址 江苏省昆山开发区大通路 1575 号

以下测试之样品及样品信息由申请者提供并确认

样品名称	金镀层
材料名称	金镀层
客户	all Customer
样品接收日期	2023.07.13
样品检测日期	2023.07.13-2023.07.21

检测要求

1.根据客户要求，参照法规(EC) No 1907/2006(REACH)，对所提交样品中 235 种高关注物质(SVHC)进行筛选测试。
2.根据客户要求，对由欧盟成员国向欧盟化学管理局(ECHA)所提交的 1 种于 2021 年 6 月 1 日公布意向成为法规(EC) No 1907/2006(REACH)中高关注度物质(SVHC)的候选物质进行筛选测试。
3.根据客户要求，对 11 种潜在意向 SVHC 物质进行筛选测试。

检测依据 请参见下页。

检测结果 请参见下页。

摘要

1.根据分析结果，所提交样品中 235 种 SVHC 物质的浓度均小于 0.1%（w/w）。
2.根据分析结果,所提交样品中 1 种意向 SVHC 物质的浓度小于 0.1%（w/w）。
3.根据分析结果，所提交样品中 11 种潜在意向 SVHC 物质的浓度均小于 0.1%（w/w）。

批准 日期 2023.07.21

陈凯敏
实验室经理

No. R295821964

上海华测品标检测技术有限公司
上海市闵行区万芳路 1351 号

检测报告

检测结果 1

批次	序号	物质名称	CAS 号	EC 号	浓度(%)	报告检出限(%)
					001	
-	-	所有 SVHC 物质（见候选清单）	-	-	N.D.	-

检测结果 2

批次	序号	物质名称	CAS 号	EC 号	浓度(%)	报告检出限(%)
					001	
-	-	所有意向 SVHC 物质（见意向 SVHC 物质清单（2021 年 6 月 1 日公布））	-	-	N.D.	-

检测结果 3

批次	序号	物质名称	CAS 号	EC 号	浓度(%)	报告检出限(%)
					001	
-	-	所有潜在意向 SVHC 物质（见物质清单）	-	-	N.D.	-

检测依据:

参考 US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 进行样品预处理。

采用 ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID 及 LC-MS-MS 分析。

样品/部位描述

序号	CTI 样品 ID	描述
1	001	金色镀层

检测报告

备注:

1. 结果仅显示检出的 SVHC 物质/意向 SVHC 物质/潜在意向 SVHC 物质，低于报告检出限的 SVHC 物质/意向 SVHC 物质/潜在意向 SVHC 物质没有列出。所有测试的 SVHC 物质/意向 SVHC 物质/潜在意向 SVHC 物质见下页的 SVHC/意向 SVHC/潜在意向 SVHC 候选清单。
2. w/w % = 重量百分比; 0.1% = 1000 mg/kg =1000 ppm
3. N.D. = 未检出 (小于报告检出限)
4. *:该物质的浓度值是由物质中的特征元素测试结果换算而来。
   三丁基氧化锡(TBTO)、二丁基二氯化锡(DBTC)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)、二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料、双(乙酰丙酮酸)二丁基锡、[二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数]的浓度值是由其特定化合物(三丁基锡(TBT)、二丁基锡(DBT)、二辛基锡(DOT)、单辛基锡(MOT))的结果换算而来。
5. **:在化学物质及其混合物的分类，标记与包装法规，即 CLP 法规(法规(EC)No 1272/2008)的附录 VI 中，索引号 650-017-00-8 适用于所有的耐火陶瓷纤维材料。
6. ***:C.I.:颜料索引号
7. ****:蒸馏所分离出来的轻油部分
8. *****:四硼酸钠，无水和四硼酸钠，水合物的浓度均由四硼酸钠浓度表示，没有考虑结晶水。
   过硼酸钠，水合物；过硼酸钠盐和过硼酸钠，无水的浓度均由过硼酸钠浓度表示，没有考虑结晶水。
9. ▲:甲醛与苯胺的低聚物的浓度值是由其特定化合物(2,4-二氨基二苯甲烷、4,4’-二氨基二苯基甲烷、2,2-二氨基二苯甲烷)的结果换算而来。
10. ①:由于这些物质是 UVCB 物质(未知成分或可变成分的，复杂反应物或生物材料的物质)，由各种不同的成分组成，所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。当其测试结果≥0.1% w/w 时，对于该物质是否存在于样品中需核查相应物料的 MSDS 或向供应商进行确认。
11. ②:由于此物质含有多种物质，测试结果是基于此物质中最具有代表性的主要组成化合物的含量，其主要组成化合物的测试结果是基于特征元素的浓度换算而来。

注释:

本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。

检测报告

SVHC 候选清单

批次	序号	物质名称	CAS 号	EC 号	报告检出限(%)
I	1	蒽	120-12-7	204-371-1	0.005
I	2	4,4'-二氨基二苯基甲烷	101-77-9	202-974-4	0.005
I	3	邻苯二甲酸二丁酯(DBP)	84-74-2	201-557-4	0.005
I	4	二氯化钴*	7646-79-9	231-589-4	0.01
I	5	五氧化二砷*	1303-28-2	215-116-9	0.01
I	6	三氧化二砷*	1327-53-3	215-481-4	0.01
I	7	重铬酸钠*	7789-12-0 10588-01-9	234-190-3	0.01
I	8	二甲苯麝香	81-15-2	201-329-4	0.005
I	9	邻苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	204-211-0	0.005
I	10	六溴环十二烷(HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 221-695-9	0.005
I	11	短链氯化石蜡(SCCPs)	85535-84-8	287-476-5	0.01
I	12	三丁基氧化锡(TBTO)*	56-35-9	200-268-0	0.005
I	13	砷酸氢铅*	7784-40-9	232-064-2	0.01
I	14	邻苯二甲酸丁基苄酯(BBP)	85-68-7	201-622-7	0.005
I	15	三乙基砷酸酯*	15606-95-8	427-700-2	0.01
II	16	①蒽油	90640-80-5	292-602-7	0.05
II	17	①蒽油,蒽糊,轻油****	91995-17-4	295-278-5	0.05
II	18	①蒽油,蒽糊,蒽馏分	91995-15-2	295-275-9	0.05
II	19	①蒽油,含蒽量少	90640-82-7	292-604-8	0.05
II	20	①蒽油,蒽糊	90640-81-6	292-603-2	0.05
II	21	①煤焦油沥青,高温	65996-93-2	266-028-2	0.05
II	22	丙烯酰胺	79-06-1	201-173-7	0.01
II	23	2,4-二硝基甲苯	121-14-2	204-450-0	0.01
II	24	邻苯二甲酸二异丁酯(DIBP)	84-69-5	201-553-2	0.005
II	25	②铬酸铅	7758-97-6	231-846-0	0.05
II	26	②钼铬红(C.I.颜料红 104)***	12656-85-8	235-759-9	0.05
II	27	②铅铬黄(C.I.颜料黄 34)***	1344-37-2	215-693-7	0.05
II	28	磷酸三(2-氯乙基)酯(TCEP)	115-96-8	204-118-5	0.01
III	29	三氯乙烯	79-01-6	201-167-4	0.005
III	30	硼酸*	10043-35-3 11113-50-1	233-139-2 234-343-4	0.01
III	31	②四硼酸钠，无水*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.01
III	32	②四硼酸钠，水合物*****	12267-73-1	235-541-3	0.01
III	33	铬酸钠*	7775-11-3	231-889-5	0.01
III	34	铬酸钾*	7789-00-6	232-140-5	0.01
III	35	重铬酸铵*	7789-09-5	232-143-1	0.01
III	36	重铬酸钾*	7778-50-9	231-906-6	0.01
IV	37	硫酸钴*	10124-43-3	233-334-2	0.01
IV	38	硝酸钴*	10141-05-6	233-402-1	0.01

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批次	序号	物质名称	CAS 号	EC 号	报告检出限(%)
IV	39	碳酸钴*	513-79-1	208-169-4	0.01
IV	40	醋酸钴*	71-48-7	200-755-8	0.01
IV	41	乙二醇单甲醚	109-86-4	203-713-7	0.005
IV	42	乙二醇单乙醚	110-80-5	203-804-1	0.005
IV	43	三氧化铬*	1333-82-0	215-607-8	0.01
IV	44	①铬酸及其低聚物、重铬酸及其低聚物*	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01
V	45	乙二醇乙醚乙酸酯	111-15-9	203-839-2	0.01
V	46	铬酸锶*	7789-06-2	232-142-6	0.01
V	47	①1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯	68515-42-4	271-084-6	0.01
V	48	肼	7803-57-8 302-01-2	206-114-9	0.01
V	49	N-甲基吡咯烷酮(NMP)	872-50-4	212-828-1	0.01
V	50	1,2,3-三氯丙烷	96-18-4	202-486-1	0.01
V	51	①邻苯二甲酸二C6-8支链烷基酯(C7富集)	71888-89-6	276-158-1	0.01
VI	52	铬酸铬*	24613-89-6	246-356-2	0.01
VI	53	氢氧化铬酸锌钾*	11103-86-9	234-329-8	0.01
VI	54	氢氧化铬酸锌*	49663-84-5	256-418-0	0.01
VI	55	②硅酸铝耐火陶瓷纤维**	-	-	0.05
VI	56	②氧化锆硅酸铝耐火陶瓷纤维**	-	-	0.05
VI	57	①甲醛与苯胺的低聚物▲	25214-70-4	500-036-1	0.01
VI	58	邻苯二甲酸二甲氧基乙酯	117-82-8	204-212-6	0.005
VI	59	2-甲氧基苯胺(邻甲氧基苯胺)	90-04-0	201-963-1	0.005
VI	60	4-(1,1,3,3-四甲基丁基)苯酚 (别名：对特辛基苯酚)	140-66-9	205-426-2	0.005
VI	61	1,2-二氯乙烷	107-06-2	203-458-1	0.005
VI	62	双(2-甲氧基乙基)醚 (别名：二乙二醇二甲醚)	111-96-6	203-924-4	0.005
VI	63	砷酸*	7778-39-4	231-901-9	0.01
VI	64	砷酸钙*	7778-44-1	231-904-5	0.01
VI	65	砷酸铅*	3687-31-8	222-979-5	0.01
VI	66	N,N-二甲基乙酰胺(DMAC)	127-19-5	204-826-4	0.005
VI	67	4,4’-亚甲基双(2-氯苯胺) (MOCA)	101-14-4	202-918-9	0.005
VI	68	酚酞	77-09-8	201-004-7	0.005
VI	69	叠氮化铅*	13424-46-9	236-542-1	0.01
VI	70	2,4,6-三硝基间苯二酚铅(别名：收敛酸铅)*	15245-44-0	239-290-0	0.01
VI	71	苦味酸铅*	6477-64-1	229-335-2	0.01
VII	72	1,2-二(2-甲氧基乙氧基)乙烷	112-49-2	203-977-3	0.01
VII	73	乙二醇二甲醚	110-71-4	203-794-9	0.01
VII	74	三氧化二硼*	1303-86-2	215-125-8	0.01
VII	75	甲酰胺	75-12-7	200-842-0	0.01
VII	76	甲基磺酸铅*	17570-76-2	401-750-5	0.01
VII	77	异氰尿酸三缩水甘油脂(TGIC)	2451-62-9	219-514-3	0.01
VII	78	异氰脲酸 β-三缩水甘油酯(β-TGIC)	59653-74-6	423-400-0	0.01
VII	79	4,4’-二(N,N-二甲氨基)二苯甲酮(米氏酮)	90-94-8	202-027-5	0.01
VII	80	4,4’-(对二甲氨基)二苯基甲烷(米氏碱)	101-61-1	202-959-2	0.01
VII	81	C.I.碱性紫 3 ***	548-62-9	208-953-6	0.01

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VII	82	C.I.碱性蓝 26 ***	2580-56-5	219-943-6	0.01
VII	83	C.I.溶剂蓝 4 ***	6786-83-0	229-851-8	0.01
VII	84	α,α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇	561-41-1	209-218-2	0.01
VIII	85	十溴二苯醚	1163-19-5	214-604-9	0.05
VIII	86	①4-壬基酚，分支或线性的壬基酚，包括含有 9 个碳烷基链的所有独立的同分异构体和所有含有线性或分支 9 个碳烷基链的 UVCB 物质	-	-	0.05
VIII	87	偶氮二甲酰胺(ADCA)	123-77-3	204-650-8	0.05
VIII	88	对特辛基苯酚乙氧基醚	-	-	0.05
VIII	89	全氟十一烷酸	2058-94-8	218-165-4	0.05
VIII	90	全氟十三酸	72629-94-8	276-745-2	0.05
VIII	91	六氢邻苯二甲酸酐, 顺式-六氢邻苯二甲酸酐, 反式-六氢邻苯二甲酸酐	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05
VIII	92	甲基六氢苯酐, 4-甲基六氢苯酐, 1-甲基六氢化邻苯二甲酸酐, 3-甲基六氢苯二甲酯酐	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	0.05
VIII	93	全氟十四酸	376-06-7	206-803-4	0.05
VIII	94	邻苯二甲酸二异戊酯(DIPP)	605-50-5	210-088-4	0.05
VIII	95	①支链和直链 1,2-苯二羧二戊酯	84777-06-0	284-032-2	0.05
VIII	96	邻苯二甲酸正戊基异戊基酯	776297-69-9	933-378-9	0.05
VIII	97	甲氧基乙酸	625-45-6	210-894-6	0.05
VIII	98	全氟十二烷酸	307-55-1	206-203-2	0.05
VIII	99	乙二醇二乙醚	629-14-1	211-076-1	0.05
VIII	100	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷	143860-04-2	421-150-7	0.05
VIII	101	2,4-二氨基甲苯	95-80-7	202-453-1	0.05
VIII	102	N-甲基乙酰胺	79-16-3	201-182-6	0.05
VIII	103	氧化铅与硫酸铅的复合物*	12065-90-6	235-067-7	0.01
VIII	104	4-氨基联苯	92-67-1	202-177-1	0.05
VIII	105	地乐酚	88-85-7	201-861-7	0.05
VIII	106	双(十八酸基)二氧代三铅*	12578-12-0	235-702-8	0.01
VIII	107	硝酸铅*	10099-74-8	233-245-9	0.01
VIII	108	三碱式硫酸铅*	12202-17-4	235-380-9	0.01
VIII	109	氧化铅*	1317-36-8	215-267-0	0.01
VIII	110	钛酸铅*	12060-00-3	235-038-9	0.01
VIII	111	4,4’-二氨基-3,3’-二甲基二苯甲烷	838-88-0	212-658-8	0.05
VIII	112	碱式乙酸铅*	51404-69-4	257-175-3	0.01
VIII	113	硫酸二甲酯	77-78-1	201-058-1	0.05
VIII	114	呋喃	110-00-9	203-727-3	0.05
VIII	115	颜料黄 41*	8012-00-8	232-382-1	0.01
VIII	116	四乙基铅*	78-00-2	201-075-4	0.01
VIII	117	二盐基邻苯二甲酸铅*	69011-06-9	273-688-5	0.01
VIII	118	硫酸二乙酯	64-67-5	200-589-6	0.05
VIII	119	氨基氰铅盐*	20837-86-9	244-073-9	0.01
VIII	120	掺杂铅的硅酸钡*	68784-75-8	272-271-5	0.01
VIII	121	磷酸氧化铅*	12141-20-7	235-252-2	0.01

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VIII	122	邻甲基苯胺	95-53-4	202-429-0	0.05
VIII	123	邻氨基偶氮甲苯	97-56-3	202-591-2	0.05
VIII	124	4-对氨基偶氮苯	60-09-3	200-453-6	0.05
VIII	125	6-甲氧基-间甲苯胺	120-71-8	204-419-1	0.05
VIII	126	二丁基二氯化锡*	683-18-1	211-670-0	0.05
VIII	127	钛酸铅锆*	12626-81-2	235-727-4	0.01
VIII	128	环氧丙烷	75-56-9	200-879-2	0.05
VIII	129	1-溴代正丙烷	106-94-5	203-445-0	0.05
VIII	130	碱式碳酸铅*	1319-46-6	215-290-6	0.01
VIII	131	C16-18-脂肪酸铅盐*	91031-62-8	292-966-7	0.01
VIII	132	四氧化三铅*	1314-41-6	215-235-6	0.01
VIII	133	二碱式亚硫酸铅(II)*	62229-08-7	263-467-1	0.01
VIII	134	4,4'-二氨基二苯醚及其盐	101-80-4	202-977-0	0.05
VIII	135	碱式硫酸铅*	12036-76-9	234-853-7	0.01
VIII	136	四氟硼酸铅*	13814-96-5	237-486-0	0.01
VIII	137	硅酸铅*	11120-22-2	234-363-3	0.01
VIII	138	N,N-二甲基甲酰胺	68-12-2	200-679-5	0.05
IX	139	镉	7440-43-9	231-152-8	0.01
IX	140	氧化镉*	1306-19-0	215-146-2	0.01
IX	141	邻苯二甲酸二戊酯(DPP)	131-18-0	205-017-9	0.01
IX	142	①乙氧基化的支链和直链的 4-壬基酚（直链和/或支链的具有 9 个碳原子的烷基链共价键合在 4 位的乙氧基酚，囊括了 UVCB 和定义明确的物质，聚合物及同系物，其中包括任何单独的异构体和/或它们的组合）	-	-	0.05
IX	143	全氟辛酸铵(APFO)	3825-26-1	223-320-4	0.01
IX	144	全氟辛烷酸(PFOA)	335-67-1	206-397-9	0.01
X	145	①磷酸三(二甲苯)酯	25155-23-1	246-677-8	0.01
X	146	C.I.直接黑 38 ***	1937-37-7	217-710-3	0.01
X	147	邻苯二甲酸二己酯	84-75-3	201-559-5	0.01
X	148	硫化镉*	1306-23-6	215-147-8	0.01
X	149	C.I.直接红 28 ***	573-58-0	209-358-4	0.01
X	150	醋酸铅(Ⅱ)*	301-04-2	206-104-4	0.01
X	151	1,2-亚乙基硫脲	96-45-7	202-506-9	0.01
XI	152	①邻苯二甲酸二己酯,直链和支链	68515-50-4	271-093-5	0.01
XI	153	氯化镉*	10108-64-2	233-296-7	0.01
XI	154	②过硼酸钠，水合物；过硼酸钠盐*****	15120-21-5 11138-47-9	239-172-9 234-390-0	0.01
XI	155	②过硼酸钠，无水*****	7632-04-4	231-556-4	0.01
XII	156	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚(UV328)	25973-55-1	247-384-8	0.01
XII	157	2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑(UV-320)	3846-71-7	223-346-6	0.01
XII	158	二正辛基-双(巯乙酸2-乙基己酯)锡(DOTE)*	15571-58-1	239-622-4	0.05
XII	159	氟化镉*	7790-79-6	232-222-0	0.01
XII	160	硫酸镉*	10124-36-4 31119-53-6	233-331-6	0.01
XII	161	①二正辛基-双(巯乙酸2-乙基己酯)锡(DOTE)和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料*	-	-	0.05

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批次	序号	物质名称	CAS 号	EC 号	报告检出限(%)
XIII	162	①1,2-苯二羧酸, 二-C6-10-烷基酯;（葵基，己基，辛基）酯与 1,2-苯二甲酸的复合物，其邻苯二甲酸二己酯含量≥0.3%（(EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	0.05
XIII	163	①5-仲丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1]，5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]（卡拉花醛及其异构体以及它们的混合物）	-	-	0.05
XIV	164	硝基苯	98-95-3	202-716-0	0.01
XIV	165	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚 (UV-327)	3864-99-1	223-383-8	0.01
XIV	166	2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 (UV-350)	36437-37-3	253-037-1	0.01
XIV	167	1,3-丙烷磺内酯	1120-71-4	214-317-9	0.01
XIV	168	全氟壬酸及其钠和铵盐	375-95-1 21049-39-8 4149-60-4	206-801-3 - -	0.01
XV	169	苯并(a)芘	50-32-8	200-028-5	0.01
XVI	170	双酚 A (BPA)	80-05-7	201-245-8	0.01
XVI	171	全氟癸酸(PFDA)及其钠盐和铵盐	3108-42-7 335-76-2 3830-45-3	221-470-5 206-400-3 -	0.01
XVI	172	4-(1,1-二甲基丙基)苯酚(别名：对叔戊基苯酚)	80-46-6	201-280-9	0.01
XVI	173	①支链与直链的 4-庚基酚(直链和/或支链的具有 7 个碳原子的烷基链共价键在 4 位的苯酚，囊括了 UVCB 和定义明确的物质，其中包括任何单独异构体和/或它们的组合)	-	-	0.05
XVII	174	全氟己基磺酸及其盐(PFHxS)	-	-	0.0005
XVIII	175	得克隆(包括其所有反式和顺式异构体及其组合)	-	-	0.01
XVIII	176	苯并[a]蒽	56-55-3	200-280-6	0.01
XVIII	177	硝酸镉*	10325-94-7	233-710-6	0.01
XVIII	178	碳酸镉*	513-78-0	208-168-9	0.01
XVIII	179	氢氧化镉*	21041-95-2	244-168-5	0.01
XVIII	180	䓛	218-01-9	205-923-4	0.01
XVIII	181	①1,3,4-噻二唑烷-2,5-二硫酮，甲醛和4-庚基苯酚的支链和直链(RP-HP)的反应产物[4-庚基苯酚，支链和直链含量≥0.1% w/w]	-	-	0.05
XIX	182	八甲基环四硅氧烷(D4)	556-67-2	209-136-7	0.01
XIX	183	十甲基环五硅氧烷(D5)	541-02-6	208-764-9	0.01
XIX	184	十二甲基环六硅氧烷(D6)	540-97-6	208-762-8	0.01
XIX	185	铅	7439-92-1	231-100-4	0.01
XIX	186	八硼酸二钠*	12008-41-2	234-541-0	0.01
XIX	187	苯并(g,h,i)苝	191-24-2	205-883-8	0.01
XIX	188	①氢化三联苯	61788-32-7	262-967-7	0.01
XIX	189	乙二胺(EDA)	107-15-3	203-468-6	0.01
XIX	190	偏苯三酸酐(TMA)	552-30-7	209-008-0	0.01
XIX	191	邻苯二甲酸二环己酯(DCHP)	84-61-7	201-545-9	0.01

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XX	192	4,4'-(1,3-二甲基丁基)二苯酚	6807-17-6	401-720-1	0.01
XX	193	苯并[k]荧蒽	207-08-9	205-916-6	0.01
XX	194	荧蒽	206-44-0	205-912-4	0.01
XX	195	菲	85-01-8	201-581-5	0.01
XX	196	芘	129-00-0	204-927-3	0.01
XX	197	1,7,7-三甲基-3-(苯亚甲基)双环[2,2,1]庚-2-酮	15087-24-8	239-139-9	0.01
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(HFPO-DA)	-	-	0.01
XXI	199	甲二醇乙醚乙酸酯	110-49-6	203-772-9	0.01
XXI	200	4-叔丁基苯酚	98-54-4	202-679-0	0.01
XXI	201	①三(壬基苯基)亚磷酸酯(TNPP)其中 4-壬基苯酚(支链和直链) (4-NP)含量大于等于 0.1 %	-	-	0.01
XXII	202	2-苄基-2-二甲基氨基-1-(4-吗啉苯基)丁酮	119313-12-1	404-360-3	0.01
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮	71868-10-5	400-600-6	0.01
XXII	204	邻苯二甲酸二异己酯	71850-09-4	276-090-2	0.01
XXII	205	全氟丁烷磺酸(PFBS)及其盐	-	-	0.01
XXIII	206	1-乙烯基咪唑	1072-63-5	214-012-0	0.01
XXIII	207	2-甲基咪唑	693-98-1	211-765-7	0.01
XXIII	208	对羟基苯甲酸丁酯	94-26-8	202-318-7	0.01
XXIII	209	双(乙酰丙酮酸)二丁基锡*	22673-19-4	245-152-0	0.05
XXIV	210	四乙二醇二甲醚	143-24-8	205-594-7	0.01
XXIV	211	二月桂酸二辛基锡，锡烷，二辛基-，双(椰油酰氧基)衍生物，以及任何其他锡烷，二辛基-，双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数*	-	-	0.05
XXV	212	1,4-二恶烷	123-91-1	204-661-8	0.01
XXV	213	2,2-双(溴甲基) -1,3-丙二醇(BMP) 三溴新戊醇/3-溴-2,2-二溴乙基丙醇(TBNPA) 2,3-二溴丙醇(2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	221-967-7 253-057-0 202-480-9	0.01
XXV	214	2-(4-叔丁基苄基)丙醛及其立体异构体	-	-	0.01
XXV	215	2,2-二(4-羟基苯基)丁烷(双酚 B)	77-40-7	201-025-1	0.01
XXV	216	戊二醛	111-30-8	203-856-5	0.01
XXV	217	①中链氯化石蜡(MCCP) (UVCB 物质，由≥80%的直链氯代烷烃组成，碳链长度在 C14 到 C17 之间)	-	-	0.01
XXV	218	硼酸钠盐*	13840-56-7	237-560-2	0.01
XXV	219	①烷基酚，碳链(C12 为主，直链或支链)主要在对位，包括其任何单个异构体或组合 (PDDP)	-	-	0.01
XXVI	220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]双环[2.2.1]庚-2-酮，包括任何单独的异构体和/或其组合 (4-MBC)	-	-	0.01
XXVI	221	2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚)	119-47-1	204-327-1	0.01
XXVI	222	S-(三环[5.2.1.0^{2,6}]癸-3-烯-8(或 9)-基)O-(异丙基或异丁基或 2-乙基己基)O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯	255881-94-8	401-850-9	0.01
XXVI	223	乙烯基-三(2-甲氧基乙氧基)硅烷	1067-53-4	213-934-0	0.01

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批次	序号	物质名称	CAS 号	EC 号	报告检出限(%)
XXVII	224	N-羟甲基丙烯酰胺	924-42-5	213-103-2	0.01
XXVIII	225	1,2-二(2,4,6-三溴苯氧基)乙烷	37853-59-1	253-692-3	0.01
XXVIII	226	四溴双酚 A (TBBPA)	79-94-7	201-236-9	0.01
XXVIII	227	双酚 S (BPS)	80-09-1	201-250-5	0.01
XXVIII	228	偏硼酸钡*	13701-59-2	237-222-4	0.01
XXVIII	229	3,4,5,6-四溴-1,2-苯二羧酸双(2-乙基己基)酯，包括任何单独的异构体和/或其组合	-	-	0.01
XXVIII	230	4-羟基苯甲酸 2-甲基丙酯	4247-02-3	224-208-8	0.01
XXVIII	231	三聚氰胺	108-78-1	203-615-4	0.05
XXVIII	232	全氟庚酸及其盐	-	-	0.01
XXVIII	233	2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)吗啉和 2,2,3,3,5,5,6,6-八氟烷-4-(七氟丙基)吗啉的反应物料	-	473-390-7	0.05
XXIX	234	二苯基(2,4,6-三甲基苯甲酰基)氧化膦	75980-60-8	278-355-8	0.01
XXIX	235	4,4'-二氯二苯砜	80-07-9	201-247-9	0.01

意向 SVHC 物质清单（2021 年 6 月 1 日公布）

批次	序号	物质名称	CAS 号	EC 号	报告检出限(%)
-	1	间苯二酚	108-46-3	203-585-2	0.01

潜在意向 SVHC 物质清单

批次	序号	物质名称	CAS 号	EC 号	报告检出限(%)
-	1	2-[2-羟基-5-(1,1,3,3-四甲丁基)苯基]苯并三唑(UV-329)	3147-75-9	221-573-5	0.01
-	2	2-(5-氯-2H-苯三唑-2-基)-6-(1,1-二甲基乙基)-4-甲基苯酚(UV-326)	3896-11-5	223-445-4	0.01
-	3	磷酸三苯酯	115-86-6	204-112-2	0.01
-	4	八甲基三硅氧烷	107-51-7	203-497-4	0.01
-	5	六甲基二硅氧烷	107-46-0	203-492-7	0.01
-	6	十二甲基五硅氧烷	141-63-9	205-492-2	0.01
-	7	十甲基四硅氧烷	141-62-8	205-491-7	0.01
-	8	1,1,1,3,5,5,5-七甲基三硅氧烷	1873-88-7	217-496-1	0.01
-	9	1,1,1,3,5,5,5-七甲基-3-[(三甲基甲硅烷基)氧基]三硅氧烷	17928-28-8	241-867-7	0.01
-	10	2-(4-甲基苄基)-2-(二甲基氨基)-1-(4-吗啉苯基)-1-丁酮	119344-86-4	438-340-0	0.01
-	11	2,4,6-三叔丁基苯酚(2,4,6-TTBP)	732-26-3	211-989-5	0.01

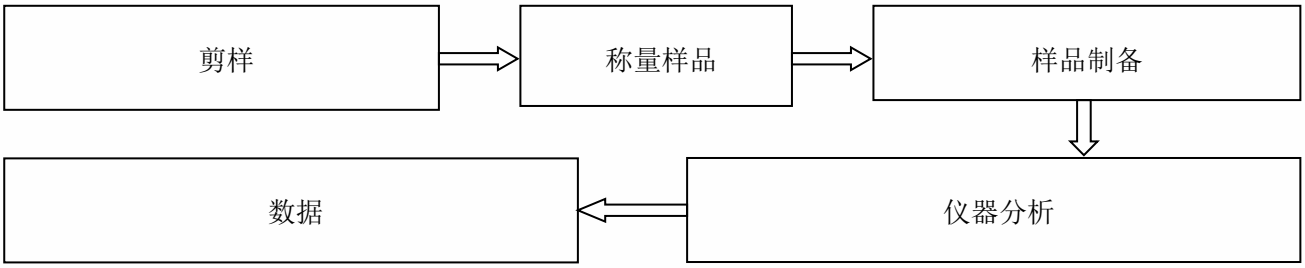
检测报告

附加信息:

1. 根据欧盟 REACH 法规（编号 1907/2006）第 33 条款之规定，物品类产品如果含有候选列表上的高度关注物质且在物品中的质量百分比超过 0.1%时，物品供应方需履行相关信息传递义务：
   1) 物品供应方应提供给接收方关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。
   2) 应消费者请求，物品供应方应在 45 天内免费提供关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。
2. 根据欧盟 REACH 法规（编号 1907/2006）第 31 条款及附件 2 之规定，提供高度关注物质的物质类产品供应方，应免费提供接收方该物质的安全数据表。
3. 根据欧盟 REACH 法规（编号 1907/2006）第 31、32 条款及附件 2 之规定，提供含有高度关注物质的混合物产品供应方需传递相关信息：
   1) 如果混合物产品按照 1999/45/EC 被判定为危险品时，供应方应免费提供产品的安全数据表。
   2) 如果混合物产品按照 1999/45/EC 判定并非危险品，但是任一高度关注物质在非气体混合物中质量分数超过 0.1%或在气体混合物中体积分数超过 0.2%，供应方也应免费提供产品的安全数据表。

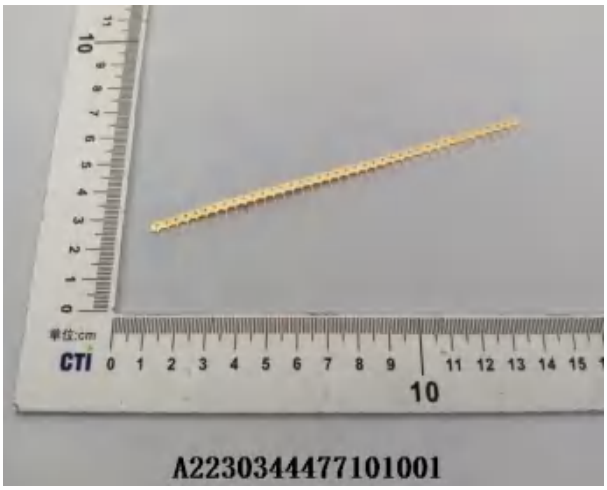
检测报告

检测流程



检测报告

样品图片



声明：

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效；
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性；
3. 本报告检测结果仅对受测样品负责；
4. 未经 CTI 书面同意，不得部分复制本报告。

*** 报告结束 ***