



深圳市华科诚科技有限公司

ShenZhen HKC Technology Co. Ltd

承认料号:

19.10.003.04191302

Approval P/N

规格描述:

Item Description

版本

Version

Transmitter Inductor, Model: G25-4.1UH-3200GS
Inductance: 4.1 μ H $\pm$ 0.2 μ H, Ferrite Core
Core dimension: OD 25 $\pm$ 0.2mm $\times$ 7.65 $\pm$ 0.05mm $\times$ T2.5 $\pm$ 1mm
Wireless Charging Coil, 10 Turns; Wire Specification: 0.08mm $\times$ 40P Enameled Wire,
single-sided adhesive backing
Wire length: 35mm $\pm$ 1mm, Tin immersion length: 2 $\pm$ 1mm
Brand: Jieruisi, Compliant with RoHS

A0

Approval	Check	Prepare
Deng Xianggui 2025.6.19		Lu rusheng 2025.6.19



供 应 商 :

Supplier

东莞捷瑞思科技有限公司

供货商标号 :

Supplier P/N

19.10.003.04191302

制 造 商 :

Manufacturer

东莞捷瑞思科技有限公司

制造商料号 :

Manufacturer P/N

19.10.003.04191302

深圳市华科诚科技有限公司

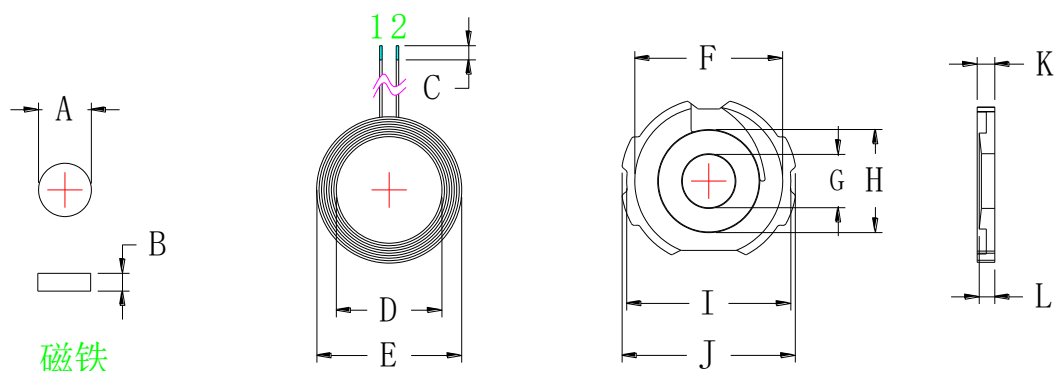
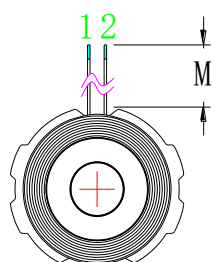
ShenZhen HKC Technology Co. Ltd

广东省东莞市塘厦镇沙湖大道南 28 号华科诚智造园

Huakecheng Intelligent Manufacturing Park, No.28 South Shahu Avenue,
Tangxia Town, Dongguan City, Guangdong Province

表单编号: HKC-QR-QEOP-30-18 A0

1、 Planar Structure Diagram: Unit: MM



A	7.5 ± 0.1
B	2.0 ± 0.1
C	2.0 ± 1
D	14.0 ± 0.2
E	20.5 ± 0.5
F	21.1 ± 0.2
G	7.5 ± 0.1
H	13.5 ± 0.1
I	23.5 ± 0.2
J	25.0 ± 0.2
K	2.5 ± 0.15
L	2.4 ± 0.1 中柱高度
M	35 ± 1

2、 Product Parameter

脚 位	线 径	圈 数	备 注
1 - 2	0.08*40P	10T	热风线

3、 Technical requirement

1. Secure both ends of the wire to prevent loosening or breakage.
2. Trim excess wire length as per customer specifications and apply tin plating with a uniform depth of 2 ± 1 mm.
3. Apply an appropriate amount of white adhesive onto the magnetic plate and attach the coil, ensuring the product surface remains clean and tidy throughout the process.
4. Use soft magnetic sheets with round holes and no damage.
5. Additional processing (per customer requirements): Install a 7.5×2.0 mm magnet on the central round hole of the finished product, apply double-sided adhesive tape with a diameter of 14×14 mm to the back of the product, and complete packaging.

4. Electrical Parameters

1.Inductance value (Q value)

$$PIN \quad 1 \text{ — } 2 \quad = \quad 4.1 \pm 0.2UH$$

Q value: ≥ 25

The above inductance and Q factor were measured using the Quanhua 1062A instrument, with a reference standard of 100 kHz/1.0 V RMS or an equivalent instrument.

5. bill of material :

No	Name	material	supplier	
1	Hot Air Line	0. 08*40P	Wuhan or equivalent	
2	magnetic sheet	G25 Soft substrate	Tiantong may be equivalent	
3	stannum	High-performance environmental protection	The Thousand Islands may be equivalent.	
4	alban	BY882	Baoyue may be equivalent.	
5	magnetic-iron	7. 5*2. 0*3200±100GS	Liansheng may be equivalent.	
6	double faced adhesive tape	Ø14*14MM (round)	Honghui or D	

TEST REPORT

Applicant : Donguan Jieruisi Technology Co., Ltd.
Address : Room 202, 152 Dalingshan Section, Wanchang Road, DalingshanTown, Dongguan City
Manufacturer : Donguan Jieruisi Technology Co., Ltd.
Address : Room 202, 152 Dalingshan Section, Wanchang Road, DalingshanTown, Dongguan City

Report on the submitted samples said to be:

Sample Name : Watch Coil Adhesive Magnetic Sheet
Trade Mark : N/A
Tested model : RC-G25-2.5
Series models : N/A
Model Difference : The applicable appliance has only one model, but has three different appearances.
Testing Period : 2025-03-17 to 2025-03-20
Date of issue : 2025-03-25
Results : Please refer to next page(s).

TEST REQUEST

According to the customer's request, based on the performed tests on submitted sample, the result of Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, Dibutyl Phthalate(DBP), Benzylbutyl Phthalate(BBP), Bis(2-ethylhexyl) Phthalate(DEHP), Diisobutyl phthalate(DIBP) content comply with the limit as set of RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

CONCLUSION

Pass

Signed for and on behalf of HX



Tested part(s):

- (1) Copper wire
- (2) Magnet block
- (3) Magnetic surface mount

Results:

Test method:

Lead & Cadmium Content:

With reference to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Mercury Content:

With reference to IEC 62321-4: 2013+AMD1:2017 CSV, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Hexavalent Chromium Content:

With reference to IEC 62321-7-1:2015, by alkaline digestion and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

DBP, BBP, DEHP, DIBP Content

With reference to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Item	Unit	MDL	Results			Limit
			(1)	(2)	(3)	
Lead Content (Pb)	mg/kg	2	N.D.	N.D.	N.D.	1000
Cadmium Content (Cd)	mg/kg	2	N.D.	N.D.	N.D.	100
Mercury Content (Hg)	mg/kg	2	N.D.	N.D.	N.D.	1000
Hexavalent Chromium (Cr(VI)) (metal material)▼	ug/cm ²	0.10	Negative	Negative	Negative	--

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- ▼ = a. The sample is positive for Cr (VI) if the Cr (VI) concentration is greater than 0.13ug/cm². The sample coating is considered to contain Cr (VI)
- b. The sample is negative for Cr (VI) if Cr (VI) is N.D. (concentration less than 0.10ug/cm²). The sample coating is considered a non- Cr (VI) based coating
- c. The result between 0.10ug/cm² and 0.13ug/cm² is considered to be inconclusive, unavoidable coating variations may influence the determination
- Flow chart appendix is included.
- Photo appendix is included.

Item	Unit	MDL	Results			Limit
			(1)	(2)	(3)	
Polybrominated Biphenyls (PBBs)						
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	/
Total content	mg/kg	/	N.D.	N.D.	N.D.	1000
Polybrominated Diphenyl ethers (PBDEs)(Mon-Deca)						
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	/
Total content	mg/kg	/	N.D.	N.D.	N.D.	1000

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- Flow chart appendix is included.
- Photo appendix is included.

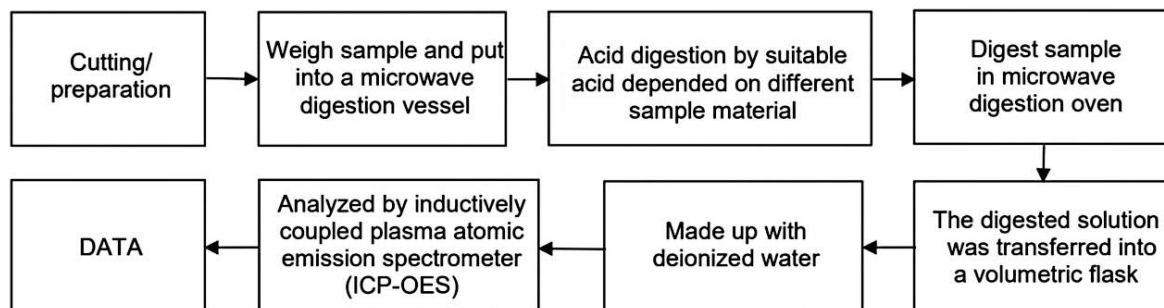
Item	CAS No.	Unit	MDL	Results	Limit
				/	
Dibutyl Phthalate (DBP)	84-74-2	mg/kg	30	N.D.	1000
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg	30	N.D.	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg	30	N.D.	1000
Diisobutyl Phthalate (DIBP)	84-69-5	mg/kg	30	N.D.	1000

Note:

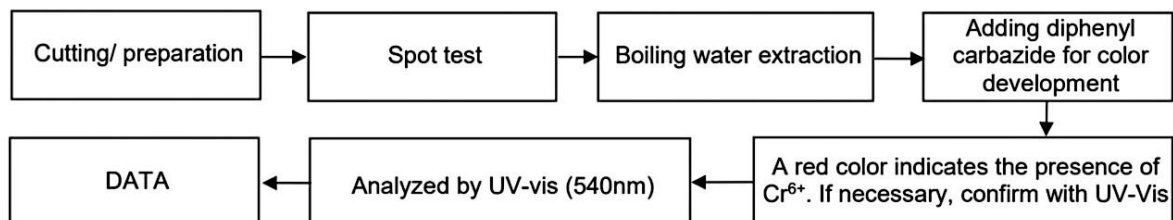
- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- Flow chart appendix is included.
- Photo appendix is included.

Appendix

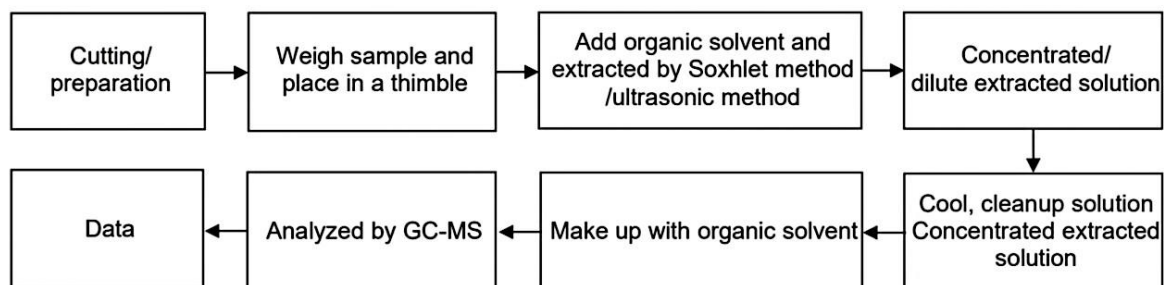
1. Test Flow chart for Cd/Pb /Hg content



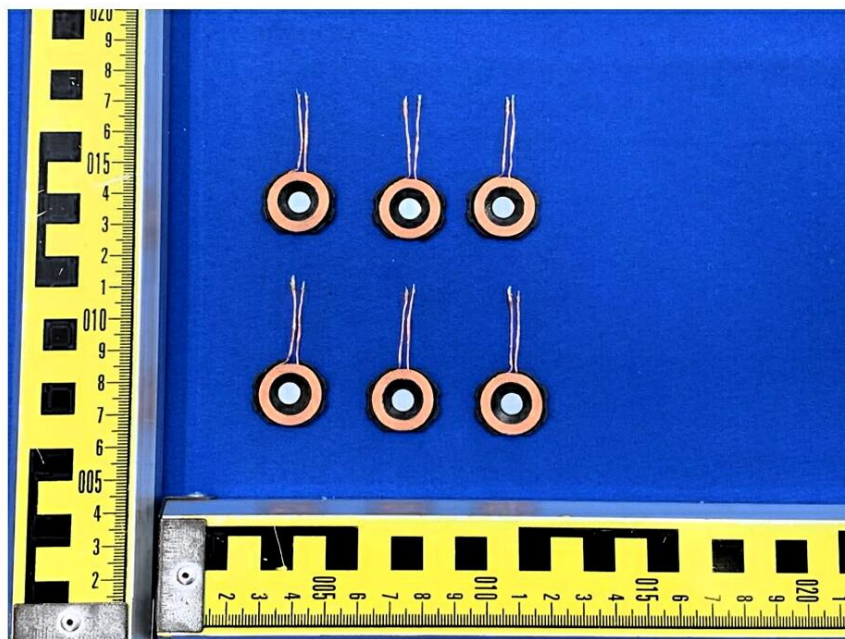
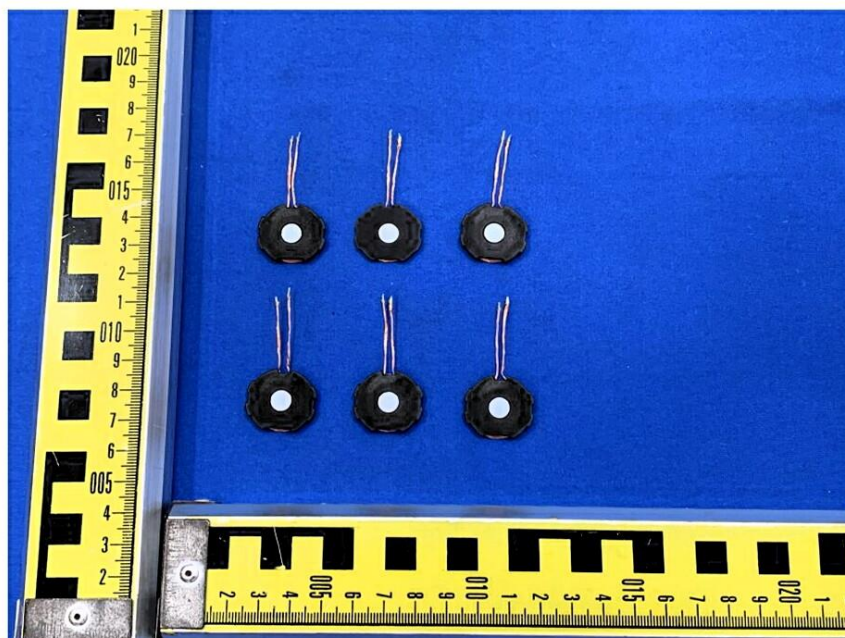
2. Test Flowchart for Cr6+ content (For metal material)

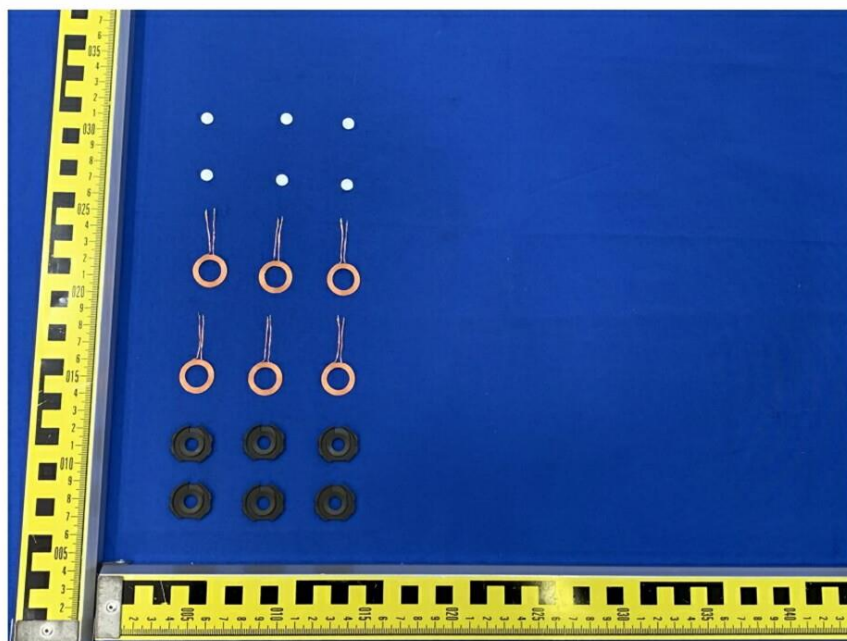
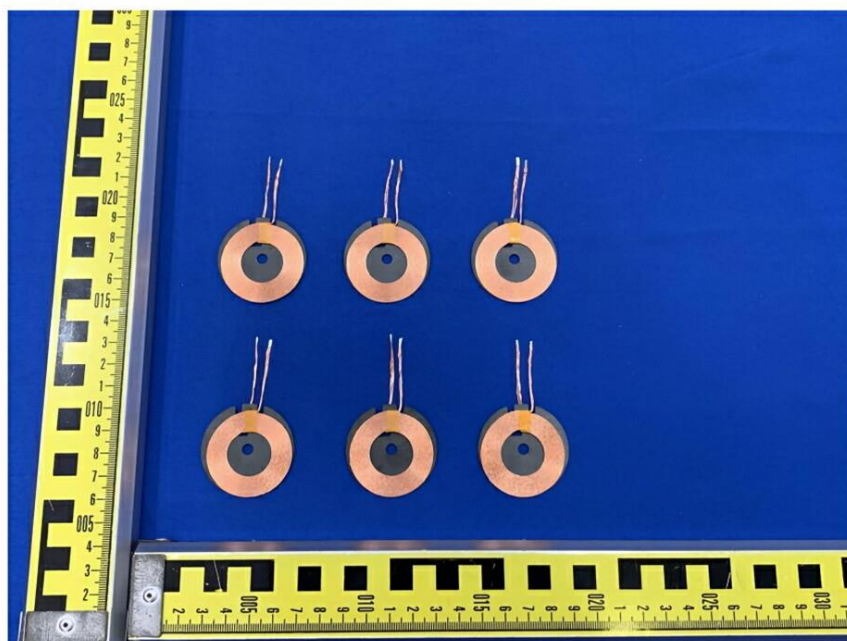


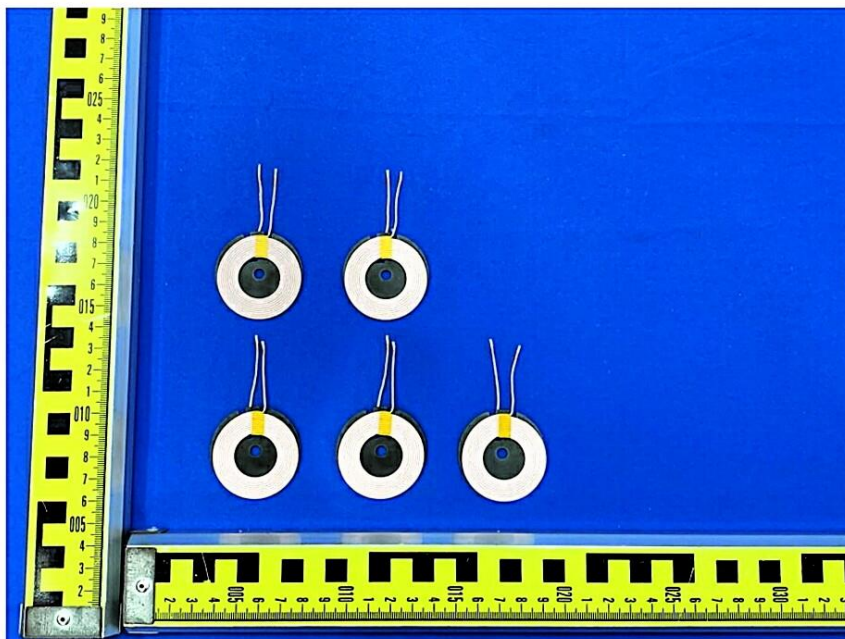
3. Test Flow chart for PBBs & PBDEs & DBP & BBP & DEHP & DIBP content



The photo of the samp







END OF REPORT