

4.0 SALT FOG

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this subsection is 3

ENVIRONMENT
ASSOCIATES

DATE STARTED 7-10-03	CUSTOMER MICROWAVE MONOLITHIC	TECHNICIAN (SIGNATURE) <i>[Signature]</i>
DATA COMPLETED 7-15-03	SPECIMEN DESCRIPTION PERSONAL LOCATOR BEACON	ENGINEER (SIGNATURE) <i>[Signature]</i>
TEMPERATURE (LABORATORY) 75°F	TYPE OF TEST SAFETY FOG	ENGINEER Martin R. Batten
HUMIDITY (LABORATORY) 45%	TEST SPECIFICATION RTCM PAPER 76-2402/5-110 STD	JOB NUMBER 23283-071447
SPECIMEN NUMBER MBT 040600	S/N 263 MBT 040600 GP	S/N: 264

7-10	
060700	SAMPLES PLACED INTO CHAMBER AT 7:50
7-11	
060730	SAMPLE PLACED INTO ALREADY CONDENSED + RUNNING SALT FOG CHAMBER. PHOTO TAKEN. INITIATE 151 48 HR PERIOD OF SALT FOG EXPOSURE. FOLLOWING 151 48 HR PERIOD: SAMPLED TO BE REMOVED FROM CHAMBER AND BE ALLOWED TO DRY FOR 24 HRS. BEFORE AMBIENT TEMP (+20°C ± 5°C.) THEN REPLACED IN SALT FOG CHAMBER FOR 12 ADDITIONAL HOURS. BEFORE BEING REMOVED FOR AN ADDITIONAL 12 HRS OF DRYING. (48 HRS IN, 24 OUT, 12 IN, 12 OUT.)
7-12	
060750	MEASUREMENTS TAKEN AND ARE WITHIN ALLOWABLE TOLERANCES
7-13	
060740	151 48 HRS COMPLETED. REMOVED SAMPLES FROM CHAMBER AT 0730. MEASUREMENTS TAKEN. OPERATIONS OK. BEGINNING 24 HR DRYING..
7-14	
060740	SAMPLES REPLACED INTO CHAMBER. FOR FURTHER 12 HR EXPOSURE TO 5% FOG.
1940	REQUIRED EXPOSURE COMPLETED. REMOVING SAMPLES FROM CHAMBER.
7-15	
0800	12 HRS OF DRYING COMPLETED. NO VISIBLE DAMAGE TO SAMPLES NOTED. TEST COMPLETED.

SALT SPRAY DATA SHEET

TEST SETUP

CUSTOMER MICROWAVE MONOLITHICS JOB NO. 23283-0714447 DATE 7-11-03
 SPECIMEN PERSONAL LOCATOR BENCH PART NO. MBT 040600 SERIAL NO. 263
 SPECIFICATION NO. RICM PAPER 76-2002-1210-5 REV. NO. — PARAGRAPH NO. A5.0
 PREPARATION OF SPECIMENS CUSTOMER PREPARED
 PROTECTIVE COATING OR COVERING FOR NON-TESTED PARTS —
 VENTS, PORTS, CONNECTORS CAPPED: Yes — No — COMMENT: —
 SUPPORT METHOD FIBERGLASS BAR ORIENTATION OF SPECIMENS CENTER OF CHAMBER
 SOLUTION: SALT 5 % H₂O 95 % (by weight) pH 7.0 AT 95 °F CHAMBER TEMPERATURE 95 °F
 SPECIFIC GRAVITY 1.031 AT 95 °F WATER COLUMN TEMPERATURE 118 °F NOZZLE PRESSURE 115 PSIG

TEST RECORD

ELAPSED TIME (HOURS)	CHAMBER TEMPERATURE (°F)	SOLUTION VOLUME PER 80 CM ² AREA (ml/HR)	COLLECTED SOLUTION pH VALUE	COLLECTED SOLUTION SPECIFIC GRAVITY	COLLECTED SOLUTION TEMPERATURE (°F)
<u>24</u>	<u>95</u>	<u>1.3</u>	<u>7.0</u>	Meas. <u>1.025</u> Corr. <u>1.025</u> Actual <u>1.030</u>	<u>+88</u>
<u>48</u>	<u>95</u>	<u>1.3</u>	<u>7.0</u>	Meas. <u>1.026</u> Corr. <u>1.025</u> Actual <u>1.031</u>	<u>+87</u>
<u>60</u>	<u>95</u>	<u>0.7</u>	<u>7.0</u>	Meas. <u>1.024</u> Corr. <u>1.025</u> Actual <u>1.029</u>	<u>+87</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	Meas. <u>—</u> Corr. <u>—</u> Actual <u>—</u>	<u>—</u>

STOP DATE AND TIME 7-14-03 AT 1940HRS TEST DURATION 60 HOURS

COMMENTS: —

RESULTS OF TEST: —

PHOTOGRAPH TAKEN: YES — NO ✓ TEST TECHNICIAN CGray

TEST ENGINEER Martin R. Butler INSPECTOR (CUST./GOV.) —