



TEST REPORT

REPORT No.: **DTIBW20220259-3**

Date: 2022-03-03

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Applicant Company Name: Nebra Ltd

Applicant Company Address: Unit 4 Bells Yew Green Business Court, Bells Yew Green, Tunbridge Wells,
East Sussex, TN3 9BJ

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name : Nebra Indoor LoRa Gateway ROCK Pi 4 Version / Nebra Indoor Helium Hotspot
ROCK Pi 4 Version
NEBHNT-HHRK4-433, NEBHNT-HHRK4-470, NEBHNT-HHRK4-868,
NEBHNT-HHRK4-915, NEBHNT-HHRK4-433-2, NEBHNT-HHRK4-470-2,
Model No. : NEBHNT-HHRK4-868-2, NEBHNT-HHRK4-915-2, NEBHNT-HHRK4-433-3,
NEBHNT-HHRK4-470-3, NEBHNT-HHRK4-868-3, NEBHNT-HHRK4-915-3,
NEBHNT-HHRK4-433-3, NEBHNT-HHRK4-470-3, NEBHNT-HHRK4-868-3,
NEBHNT-HHRK4-915-3
Sample Receiving Date : February 25, 2022
Testing Period : From February 25, 2022 to March 03, 2022
Results : Please refer to next page(s).

Summary of Test Results:

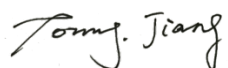
TEST REQUEST

CONCLUSION

A EU RoHS Directive 2011/65/EU and its amendment directives 2015/863/EU ([RoHS 2.0](#))

Pass

Shenzhen Deesev Testing International Corp

Approved by: 
lab manager

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Results:

1、EU RoHS Directive 2011/65/EU and its amendment directives on XRF

Test method: With reference to IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

| Seq. No. | Tested Part(s) | Results | | | | |
|----------|---------------------------------|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 1 | Black Plastic Sheet | BL | BL | BL | BL | BL |
| 2 | Double Faced Adhesive Tape | BL | BL | BL | BL | BL |
| 3 | Black Coating | BL | BL | BL | BL | BL |
| 4 | Metal Case Substrate | BL | BL | BL | BL | N/A |
| 5 | Gold Metal Nut | X | BL | BL | BL | N/A |
| 6 | Grey Silica Gel | BL | BL | BL | BL | BL |
| 7 | White Coating | BL | BL | BL | BL | BL |
| 8 | Metal Case Substrate | BL | BL | BL | BL | N/A |
| 9 | Transparent Plastic Light Guide | BL | BL | BL | BL | BL |
| 10 | Metal Case Substrate | BL | BL | BL | BL | N/A |
| 11 | Silver Metal Case | BL | BL | BL | BL | N/A |
| 12 | Grey Silica Gel | BL | BL | BL | BL | BL |
| 13 | Brown Silica Gel | BL | BL | BL | BL | BL |
| 14 | Gold Metal Screw | X | BL | BL | BL | N/A |
| 15 | Gold Metal Needle | X | BL | BL | BL | N/A |
| 16 | Internal White Plastic | BL | BL | BL | BL | BL |
| 17 | Solder Point | BL | BL | BL | BL | N/A |
| 18 | Black Heat Shrink Tube Sleeve | BL | BL | BL | BL | BL |
| 19 | Black Plastic Wire Outer Skin | BL | BL | BL | BL | BL |
| 20 | Wire Internal Metal Wire | BL | BL | BL | BL | N/A |

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| Seq. No. | Tested Part(s) | Results | | | | |
|----------|-------------------------------------|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 21 | Gold Metal Terminal | BL | BL | BL | BL | N/A |
| 22 | Gold Metal Gasket | BL | BL | BL | BL | N/A |
| 23 | Gold Metal Nut | X | BL | BL | BL | N/A |
| 24 | Gold Metal Circlip | BL | BL | BL | BL | N/A |
| 25 | Gold Metal Screw | X | BL | BL | BL | N/A |
| 26 | Silver Metal Screw | BL | BL | BL | BL | N/A |
| 27 | Black Metal Screw | BL | BL | BL | BL | N/A |
| 28 | Black Plastic Cover | BL | BL | BL | BL | BL |
| 29 | White Plastic Ring | BL | BL | BL | BL | BL |
| 30 | PCB | BL | BL | BL | BL | X |
| 31 | Solder Point | BL | BL | BL | BL | N/A |
| 32 | Silver Metal Sheet | BL | BL | BL | BL | N/A |
| 33 | Black Plastic Case | BL | BL | BL | BL | BL |
| 34 | Beige Plastic Button | BL | BL | BL | BL | BL |
| 35 | Black Ceramic Body Chip | BL | BL | BL | BL | BL |
| 36 | Patch Resistor | BL | BL | BL | BL | BL |
| 37 | Multiplayer Ceramic Chip Capacitors | BL | BL | BL | BL | BL |
| 38 | Patch Diode | BL | BL | BL | BL | BL |
| 39 | Triode | BL | BL | BL | BL | BL |
| 40 | Crystal Oscillator | BL | BL | BL | BL | N/A |

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| Seq. No. | Tested Part(s) | Results | | | | |
|----------|------------------------|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 41 | Silver Metal Case | BL | BL | BL | BL | N/A |
| 42 | Fiberboard | BL | BL | BL | BL | BL |
| 43 | Black Plastic Shell | BL | BL | BL | BL | BL |
| 44 | Gold Metal Needle | BL | BL | BL | BL | N/A |
| 45 | Silver Metal Case | BL | BL | BL | X | N/A |
| 46 | Black Plastic Case | BL | BL | BL | BL | BL |
| 47 | Gold Metal Needle | BL | BL | BL | BL | N/A |
| 48 | Patch Coil Inductor | BL | BL | BL | BL | BL |
| 49 | Copper Winding | BL | BL | BL | BL | N/A |
| 50 | Silver Metal Sheet | BL | BL | BL | X | N/A |
| 51 | Black Plastic Shell | BL | BL | BL | BL | BL |
| 52 | Black Plastic Button | BL | BL | BL | BL | BL |
| 53 | Silver Metal Sheet | BL | BL | BL | X | N/A |
| 54 | Yellow Plastic Sticker | BL | BL | BL | BL | BL |
| 55 | Beige Plastic Case | BL | BL | BL | BL | X |
| 56 | Silver Metal Needle | BL | BL | BL | BL | N/A |
| 57 | Beige Plastic Case | BL | BL | BL | BL | BL |
| 58 | Black Plastic Cover | BL | BL | BL | BL | X |
| 59 | Silver Metal Needle | BL | BL | BL | BL | N/A |
| 60 | PCB (Micro) | BL | BL | BL | BL | BL |

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| Seq. No. | Tested Part(s) | Results | | | | |
|----------|-------------------------------------|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 61 | Solder Point | BL | BL | BL | BL | N/A |
| 62 | Multiplayer Ceramic Chip Capacitors | BL | BL | BL | BL | BL |
| 63 | Patch Resistor | BL | BL | BL | BL | BL |
| 64 | Red Coating | BL | BL | BL | BL | BL |
| 65 | Yellow Coating | BL | BL | BL | BL | BL |
| 66 | Green Coating | BL | BL | BL | BL | BL |
| 67 | Blue Coating | BL | BL | BL | BL | BL |
| 68 | Plastic Case Substrate | BL | BL | BL | BL | X |
| 69 | Gold Metal Needle | BL | BL | BL | BL | N/A |
| 70 | Silver Metal Case | BL | BL | BL | BL | N/A |
| 71 | Internal Black Plastic | BL | BL | BL | BL | BL |
| 72 | Silver Metal Needle | BL | BL | BL | BL | N/A |
| 73 | Silver Metal Case | BL | BL | BL | X | N/A |
| 74 | Internal Blue Plastic | BL | BL | BL | BL | X |
| 75 | Silver Metal Needle | BL | BL | BL | BL | N/A |
| 76 | Silver Metal Case | BL | BL | BL | BL | N/A |
| 77 | Internal Black Plastic | BL | BL | BL | BL | X |
| 78 | Gold Metal Needle | BL | BL | BL | BL | N/A |
| 79 | Toroid Inducto | BL | BL | BL | BL | BL |
| 80 | Copper Winding | BL | BL | BL | BL | N/A |

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| Seq. No. | Tested Part(s) | Results | | | | |
|----------|-------------------------|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 81 | PCB | BL | BL | BL | BL | X |
| 82 | Solder Point | BL | BL | BL | BL | N/A |
| 83 | Yellow LED | BL | BL | BL | BL | BL |
| 84 | Green LED | BL | BL | BL | BL | BL |
| 85 | Gold Metal Case | X | BL | BL | BL | N/A |
| 86 | Black Plastic Shell | BL | BL | BL | BL | BL |
| 87 | Gold Metal Terminal | BL | BL | BL | BL | N/A |
| 88 | Silver Metal Case | BL | BL | BL | BL | N/A |
| 89 | Internal Black Plastic | BL | BL | BL | BL | BL |
| 90 | Silver Metal Needle | BL | BL | BL | BL | N/A |
| 91 | Patch Coil Inductor | BL | BL | BL | BL | BL |
| 92 | Copper Winding | BL | BL | BL | BL | N/A |
| 93 | Silver Metal Case | BL | BL | BL | X | N/A |
| 94 | Internal Black Plastic | BL | BL | BL | BL | BL |
| 95 | Silver Metal Needle | BL | BL | BL | BL | N/A |
| 96 | PCB | BL | BL | BL | BL | X |
| 97 | Solder Point | BL | BL | BL | BL | N/A |
| 98 | Gold Metal Socket | BL | BL | BL | BL | N/A |
| 99 | Black Ceramic Body Chip | BL | BL | BL | BL | BL |
| 100 | Patch Resistor | BL | BL | BL | BL | BL |

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| Seq. No. | Tested Part(s) | Results | | | | |
|----------|-------------------------------------|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 101 | Multiplayer Ceramic Chip Capacitors | BL | BL | BL | BL | BL |
| 102 | Crystal Oscillator | BL | BL | BL | BL | N/A |
| 103 | Gold Metal Sheet | BL | BL | BL | BL | N/A |
| 104 | PCB | BL | BL | BL | BL | X |
| 105 | Solder Point | BL | BL | BL | BL | N/A |
| 106 | Black Plastic Case | BL | BL | BL | BL | X |
| 107 | Silver Metal Needle | BL | BL | BL | BL | N/A |
| 108 | Black Plastic Case | BL | BL | BL | BL | BL |
| 109 | Gold Metal Needle | BL | BL | BL | BL | N/A |
| 110 | Black Plastic Case | BL | BL | BL | BL | BL |
| 111 | Gold Metal Needle | BL | BL | BL | BL | N/A |
| 112 | Black Plastic Cover | BL | BL | BL | BL | X |
| 113 | Internal Silver Metal | BL | BL | BL | BL | N/A |
| 114 | Black Plastic Case | BL | BL | BL | BL | BL |
| 115 | Silver Metal Case | BL | BL | BL | BL | N/A |
| 116 | Black Plastic Button | BL | BL | BL | BL | BL |
| 117 | Copper Sheet | BL | BL | BL | BL | N/A |
| 118 | Black Ceramic Body Chip | BL | BL | BL | BL | BL |
| 119 | Patch Resistor | BL | BL | BL | BL | BL |
| 120 | Multiplayer Ceramic Chip Capacitors | BL | BL | BL | BL | BL |

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| Seq. No. | Tested Part(s) | Results | | | | |
|----------|-------------------------------|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 121 | Triode | BL | BL | BL | BL | BL |
| 122 | Black Plastic Shell | BL | BL | BL | BL | BL |
| 123 | Yellow LED | BL | BL | BL | BL | BL |
| 124 | Green LED | BL | BL | BL | BL | BL |
| 125 | Gold Metal Pin | BL | BL | BL | BL | N/A |
| 126 | Black Plastic Case | BL | BL | BL | BL | X |
| 127 | Gold Metal Terminal | BL | BL | BL | BL | N/A |
| 128 | Black Plastic Case | BL | BL | BL | BL | BL |
| 129 | Gold Metal Case | X | BL | BL | BL | N/A |
| 130 | Internal White Plastic | BL | BL | BL | BL | BL |
| 131 | Gold Metal Needle | BL | BL | BL | BL | N/A |
| 132 | Silver Metal Case | BL | BL | BL | BL | N/A |
| 133 | Silver Metal Mesh | BL | BL | BL | BL | N/A |
| 134 | Pink Heat Shrink Tube Sleeve | BL | BL | BL | BL | BL |
| 135 | White Plastic Wire Outer Skin | BL | BL | BL | BL | BL |
| 136 | Wire Internal Metal Wire | BL | BL | BL | BL | N/A |
| 137 | Black Soft Plastic | BL | BL | BL | BL | BL |
| 138 | Black Plastic Case | BL | BL | BL | BL | BL |
| 139 | Gold Metal Tube | BL | BL | BL | BL | N/A |
| 140 | Solder Point | BL | BL | BL | BL | N/A |

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|----------|--|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 141 | Gold Metal Tube | BL | BL | BL | BL | N/A |
| 142 | Internal White Soft Plastic | BL | BL | BL | BL | BL |
| 143 | Black Plastic Case | BL | BL | BL | BL | BL |
| 144 | Black Plastic Cover | BL | BL | BL | BL | BL |
| 145 | Silver Metal Plug | X | BL | BL | BL | N/A |
| 146 | Black Plastic Sheet | BL | BL | BL | BL | BL |
| 147 | Black Plastic Cover | BL | BL | BL | BL | BL |
| 148 | Silver Metal Plug | BL | BL | BL | BL | N/A |
| 149 | Black Plastic Wire Outer Skin | BL | BL | BL | BL | BL |
| 150 | Wire Internal Metal Wire | BL | BL | BL | BL | N/A |
| 151 | PCB | BL | BL | BL | BL | X |
| 152 | Solder Point | BL | BL | BL | BL | N/A |
| 153 | Black Ceramic Body Chip | BL | BL | BL | BL | BL |
| 154 | Patch Resistor | BL | BL | BL | BL | BL |
| 155 | Multiplayer Ceramic Chip Capacitors | BL | BL | BL | BL | BL |
| 156 | Patch Diode | BL | BL | BL | BL | BL |
| 157 | Triode | BL | BL | BL | BL | BL |
| 158 | Electrolytic Capacitor Outer Layer Plastic Leather | BL | BL | BL | BL | BL |
| 159 | Electrolytic Capacitor Silver Metal Case | BL | BL | BL | BL | N/A |
| 160 | Electrolytic Capacitor Internal Sticker | BL | BL | BL | BL | BL |

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|----------|--|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 161 | Silver Metal Pin | BL | BL | BL | BL | N/A |
| 162 | Blue Ceramic Capacitors | BL | BL | BL | BL | BL |
| 163 | Silver Metal Pin | BL | BL | BL | BL | N/A |
| 164 | Electrolytic Capacitor Silver Metal Case | BL | BL | BL | BL | BL |
| 165 | Electrolytic Capacitor Internal Sticker | BL | BL | BL | BL | BL |
| 166 | Silver Metal Pin | BL | BL | BL | BL | N/A |
| 167 | Yellow Plastic Sticker | BL | BL | BL | BL | BL |
| 168 | Black Square Magnetic Ring | BL | BL | BL | BL | BL |
| 169 | Transformer Ceramic Frame | BL | BL | BL | BL | BL |
| 170 | Transformer Copper Winding | BL | BL | BL | BL | N/A |
| 171 | Silver Metal Pin | BL | BL | BL | BL | N/A |
| 172 | White Viscose | BL | BL | BL | BL | BL |
| 173 | Toroid Inductor | BL | BL | BL | BL | BL |
| 174 | Copper Winding | BL | BL | BL | BL | N/A |
| 175 | Silver Metal Case | BL | BL | BL | BL | N/A |
| 176 | Black Ceramic Capacitors | BL | BL | BL | BL | BL |
| 177 | Silver Metal Pin | BL | BL | BL | BL | N/A |
| 178 | Black Plastic Case | BL | BL | BL | BL | BL |
| 179 | Silver Metal Fuse | BL | BL | BL | BL | N/A |
| 180 | Safety Gauge Capacitance | BL | BL | BL | BL | X |

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| Seq. No. | Tested Part(s) | Results | | | | |
|----------|-------------------------------|---------|----|----|----|-----|
| | | Pb | Cd | Hg | Cr | Br |
| 181 | Silver Metal Pin | BL | BL | BL | BL | N/A |
| 182 | Silver Metal Frame | BL | BL | BL | X | N/A |
| 183 | Yellow Plastic Sticker | BL | BL | BL | BL | BL |
| 184 | Black Square Magnetic Ring | BL | BL | BL | BL | BL |
| 185 | Transformer Ceramic Frame | BL | BL | BL | BL | BL |
| 186 | Transformer Copper Winding | BL | BL | BL | BL | N/A |
| 187 | Silver Metal Pin | BL | BL | BL | BL | N/A |
| 188 | Black Soft Plastic | BL | BL | BL | BL | BL |
| 189 | Silver Metal Case | BL | BL | BL | X | N/A |
| 190 | Internal Black Plastic | BL | BL | BL | BL | BL |
| 191 | Silver Metal Needle | BL | BL | BL | BL | N/A |
| 192 | PCB | BL | BL | BL | BL | X |
| 193 | Solder Point | BL | BL | BL | BL | N/A |
| 194 | Black Plastic Wire Outer Skin | BL | BL | BL | BL | BL |
| 195 | Red Plastic Wire Outer Skin | BL | BL | BL | BL | BL |
| 196 | Wire Internal Metal Wire | BL | BL | BL | BL | N/A |
| 197 | Black Plastic Skin | BL | BL | BL | BL | BL |
| 198 | Black Plastic Fasteners | BL | BL | BL | BL | BL |

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Remark:

- (1) Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

| Element | Unit | Non-metal | Metal | Composite Material |
|---------|-------|--|--|--|
| Cd | mg/kg | $BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$ | $BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$ | $BL \leq 50 - 3\sigma < X < 150 + 3\sigma \leq OL$ |
| Pb | mg/kg | $BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$ | $BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$ | $BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$ |
| Hg | mg/kg | $BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$ | $BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$ | $BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$ |
| Cr | mg/kg | $BL \leq 700 - 3\sigma < X$ | $BL \leq 700 - 3\sigma < X$ | $BL \leq 500 - 3\sigma < X$ |
| Br | mg/kg | $BL \leq 300 - 3\sigma < X$ | -- | $BL \leq 250 - 3\sigma < X$ |

Note:

BL = Below Limit
OL = Over Limit
X = Inconclusive
N/A = Not Applicable

- (2) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

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(3) The maximum permissible limit is quoted from the document 2011/65/EU and its amendment directives 2015/863/EU:

| RoHS Restricted Substances | Maximum Concentration Value (mg/kg) (by weight in homogenous materials) |
|---------------------------------------|--|
| Cadmium (Cd) | ≤100 |
| Lead (Pb) | ≤1000 |
| Mercury (Hg) | ≤1000 |
| Hexavalent Chromium (Cr(VI)) | ≤1000 |
| Polybrominated biphenyls (PBBs) | ≤1000 |
| Polybrominated diphenylethers (PBDEs) | ≤1000 |

Draft

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2、The Test Results of Chemical Method:

Test method:

Lead, Cadmium, Mercury Content:

With reference to IEC 62321-5:2013 and IEC62321-4:2013+AMD1:2017, by acid digestion and analysis was performed by Inductively Coupled Plasma- Atomic Emission Spectrophotometer (ICP-AES)

Hexavalent Chromium Content (For metal material):

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

Hexavalent Chromium Content (For non-metal material):

With reference to IEC 62321-7-2:2017, 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)

DEHP, BBP, DBP&.DIBP content:

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

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1) The test results of Cr (VI)

| Item | Unit | MDL | Results | | | | | Limit |
|--|--------------------|-----|----------|----------|----------|----------|----------|-------|
| | | | 45 | 50 | 53 | 73 | 93 | |
| Hexavalent Chromium (Cr (VI)) (Metal material) | µg/cm ² | / | Negative | Negative | Negative | Negative | Negative | # |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | Limit |
|--|--------------------|-----|----------|----------|-------|
| | | | 182 | 189 | |
| Hexavalent Chromium (Cr (VI)) (Metal material) | µg/cm ² | / | Negative | Negative | # |
| Conclusion | / | / | Pass | Pass | / |

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- Negative= Sample Cr(VI) concentration is less than 0.10 µg/cm²
Positive = Sample Cr(VI) concentration is greater than 0.13 µg/cm²
- # =
Positive indicates the presence of Cr(VI) on the tested areas and the test results are considered to be incompatible with Directive 2011/65/EU (RoHS 2.0) requirement.
Negative indicates the absence of Cr(VI) on the tested areas and the test results are considered to be consistent with Directive 2011/65/EU (RoHS 2.0) requirement.
- mg/kg = ppm

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2) The test results of Pb

| Item | Unit | MDL | Results | | | | Limit |
|------------|-------|-----|----------------|-----------------|-----------------|-----------------|-------|
| | | | 5 [^] | 14 [^] | 15 [^] | 23 [^] | |
| Lead(Pb) | mg/kg | 2 | 14326 | 15079 | 12451 | 13508 | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | Limit |
|------------|-------|-----|-----------------|-----------------|------------------|------------------|-------|
| | | | 25 [^] | 85 [^] | 129 [^] | 145 [^] | |
| Lead(Pb) | mg/kg | 2 | 12816 | 16702 | 16915 | 10963 | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | / |

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- [^]= the weight of lead in the copper alloy does not exceed 4%(40000ppm).

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3) The test results of PBBs & PBDEs

| Item | Unit | MDL | Results | | | | | Limit |
|---|-------|-----|---------|------|------|------|------|-------|
| | | | 30 | 55 | 58 | 68 | 74 | |
| Polybrominated Biphenyls (PBBs) | | | | | | | | |
| Monobromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Dibromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tribromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tetrabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Pentabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Hexabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Heptabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Octabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Nonabromodiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Decabromodiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Total content | mg/kg | / | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Polybrominated Diphenylethers (PBDEs)(Mon-Deca) | | | | | | | | |
| Monobromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Dibromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tribromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tetrabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Pentabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Hexabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Heptabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Octabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Nonabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Decabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Total content | mg/kg | / | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|---|-------|-----|---------|------|------|------|------|-------|
| | | | 77 | 81 | 96 | 104 | 106 | |
| Polybrominated Biphenyls (PBBs) | | | | | | | | |
| Monobromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Dibromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tribromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tetrabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Pentabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Hexabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Heptabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Octabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Nonabromodiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Decabromodiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Total content | mg/kg | / | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Polybrominated Diphenylethers (PBDEs)(Mon-Deca) | | | | | | | | |
| Monobromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Dibromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tribromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tetrabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Pentabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Hexabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Heptabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Octabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Nonabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Decabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Total content | mg/kg | / | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|---|-------|-----|---------|------|------|------|------|-------|
| | | | 112 | 126 | 151 | 180 | 192 | |
| Polybrominated Biphenyls (PBBs) | | | | | | | | |
| Monobromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Dibromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tribromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tetrabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Pentabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Hexabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Heptabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Octabromobiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Nonabromodiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Decabromodiphenyl | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Total content | mg/kg | / | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Polybrominated Diphenylethers (PBDEs)(Mon-Deca) | | | | | | | | |
| Monobromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Dibromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tribromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Tetrabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Pentabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Hexabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Heptabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Octabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Nonabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Decabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | / |
| Total content | mg/kg | / | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- MDL = Method Detection Limit

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4) The test results of DEHP, BBP, DBP & DIBP

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 1 | 2 | 3 | 6 | 7 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 9 | 12 | 13 | 16 | 18 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 19 | 28 | 29 | 30 | 33 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 34 | 35 | 36 | 37 | 38 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 39 | 42 | 43 | 46 | 48 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 51 | 52 | 54 | 55 | 57 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 58 | 60 | 62 | 63 | 64 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 65 | 66 | 67 | 68 | 71 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 74 | 77 | 79 | 81 | 83 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|---------|------|------|------|------|-------|
| | | | 84 | 86 | 89 | 91 | 94 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|---------|------|------|------|------|-------|
| | | | 96 | 99 | 100 | 101 | 104 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|---------|------|------|------|------|-------|
| | | | 106 | 108 | 110 | 112 | 114 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 116 | 118 | 119 | 120 | 121 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 122 | 123 | 124 | 126 | 128 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 130 | 134 | 135 | 137 | 138 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 142 | 143 | 144 | 146 | 147 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 149 | 151 | 153 | 154 | 155 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 156 | 157 | 158 | 160 | 162 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 164 | 165 | 167 | 168 | 169 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 172 | 173 | 176 | 178 | 180 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|-------------|-------------|-------------|-------------|-------------|-------|
| | | | 183 | 184 | 185 | 188 | 190 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

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| Item | Unit | MDL | Results | | | | | Limit |
|----------------------------------|-------|-----|---------|------|------|------|------|-------|
| | | | 192 | 194 | 195 | 197 | 198 | |
| Di-2-ethylhexyl phthalate (DEHP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Benzyl-n-butyl phthalate (BBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-n-butyl phthalate (DBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Di-iso-butyl phthalate (DIBP) | mg/kg | 30 | N.D. | N.D. | N.D. | N.D. | N.D. | ≤1000 |
| Conclusion | / | / | Pass | Pass | Pass | Pass | Pass | / |

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- MDL = Method Detection Limit
- Decision rule: According to DTI-CX-39-2020 《Decision rule for conformity of the test results》
- Flow chart appendix is included.
- Photo appendix is included.

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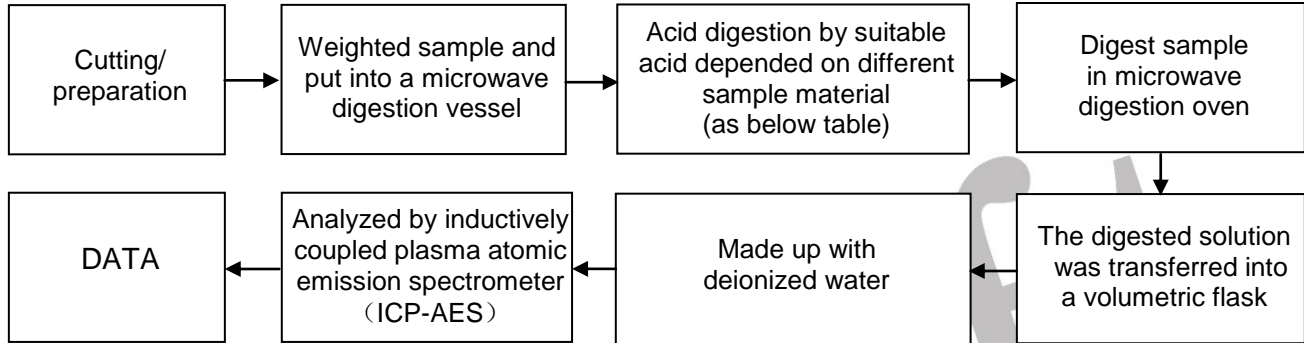
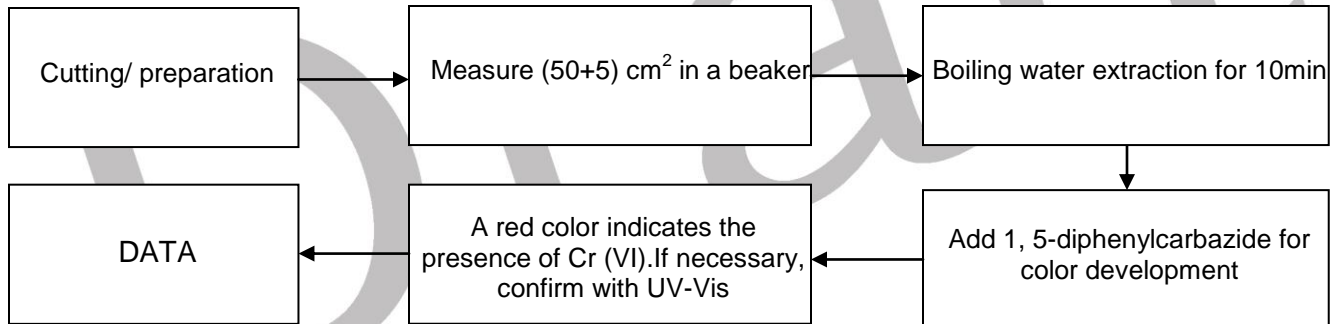
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中国 广东省 深圳市 宝安区 隆昌路 8号 飞扬科技园 8楼9楼
Tel: +86-0755-32936716, E-mail: DTI@deesev.cn

Appendix I

Test Flow chart

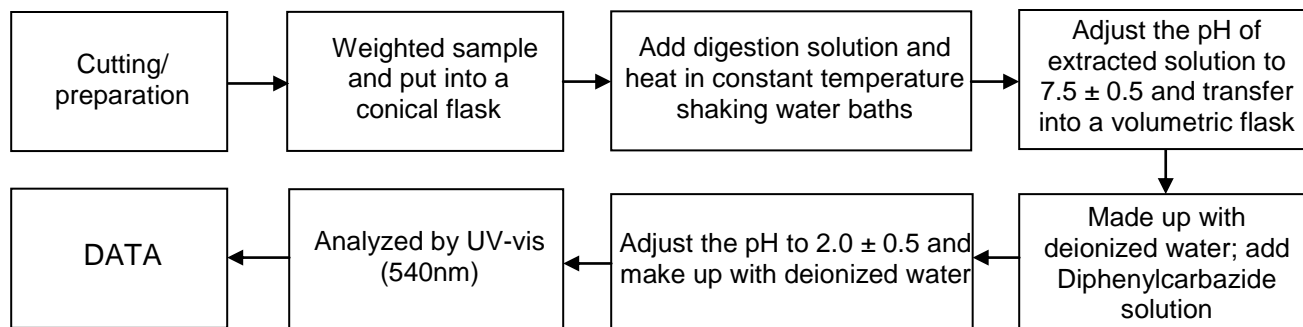
1. Test Flowchart for Cd / Pb /Hg content

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

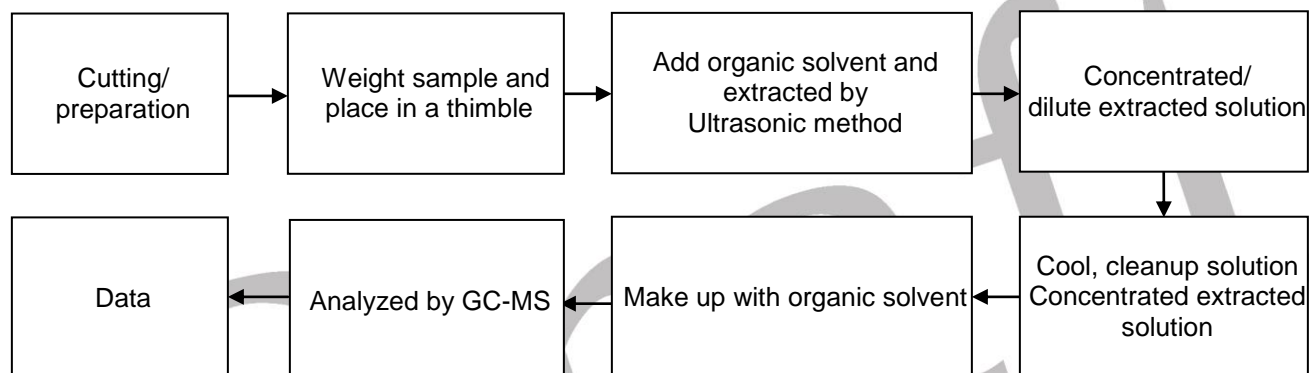
2. Test Flowchart for Cr⁶⁺ content (Metal material)

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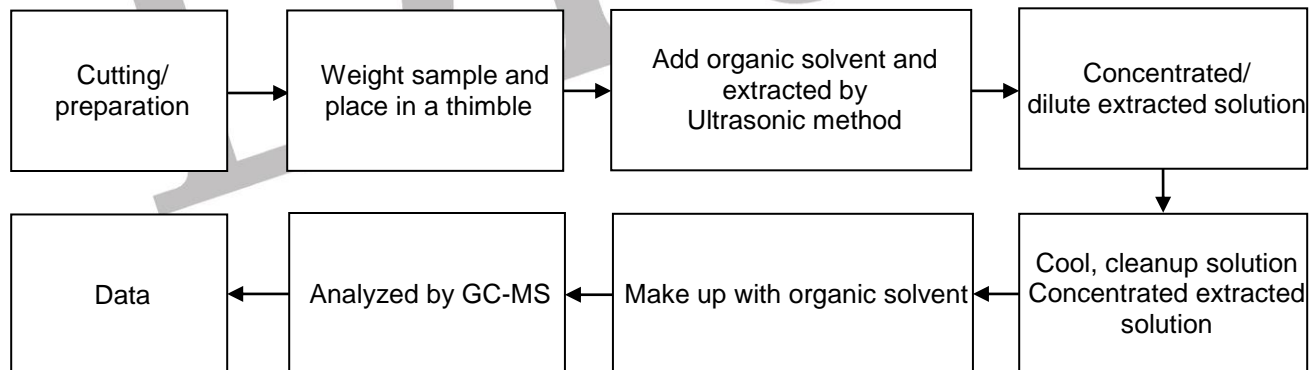
3. Test Flowchart for Cr⁶⁺ content (Non-metal material)



4. Test Flowchart for PBBs & PBDEs content



5. Test Flowchart for DEHP, BBP, DBP & DIBP content



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Table:

| | |
|------------------------------------|---|
| Sample material | Digestion Acid |
| Steel, copper, aluminum, solder | Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂ |
| Glass | HNO ₃ /HF |
| Gold, platinum, palladium, ceramic | Aqua regia |
| Silver | HNO ₃ |
| Plastic | H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl |
| Others | Any acid to total digestion |

Draft

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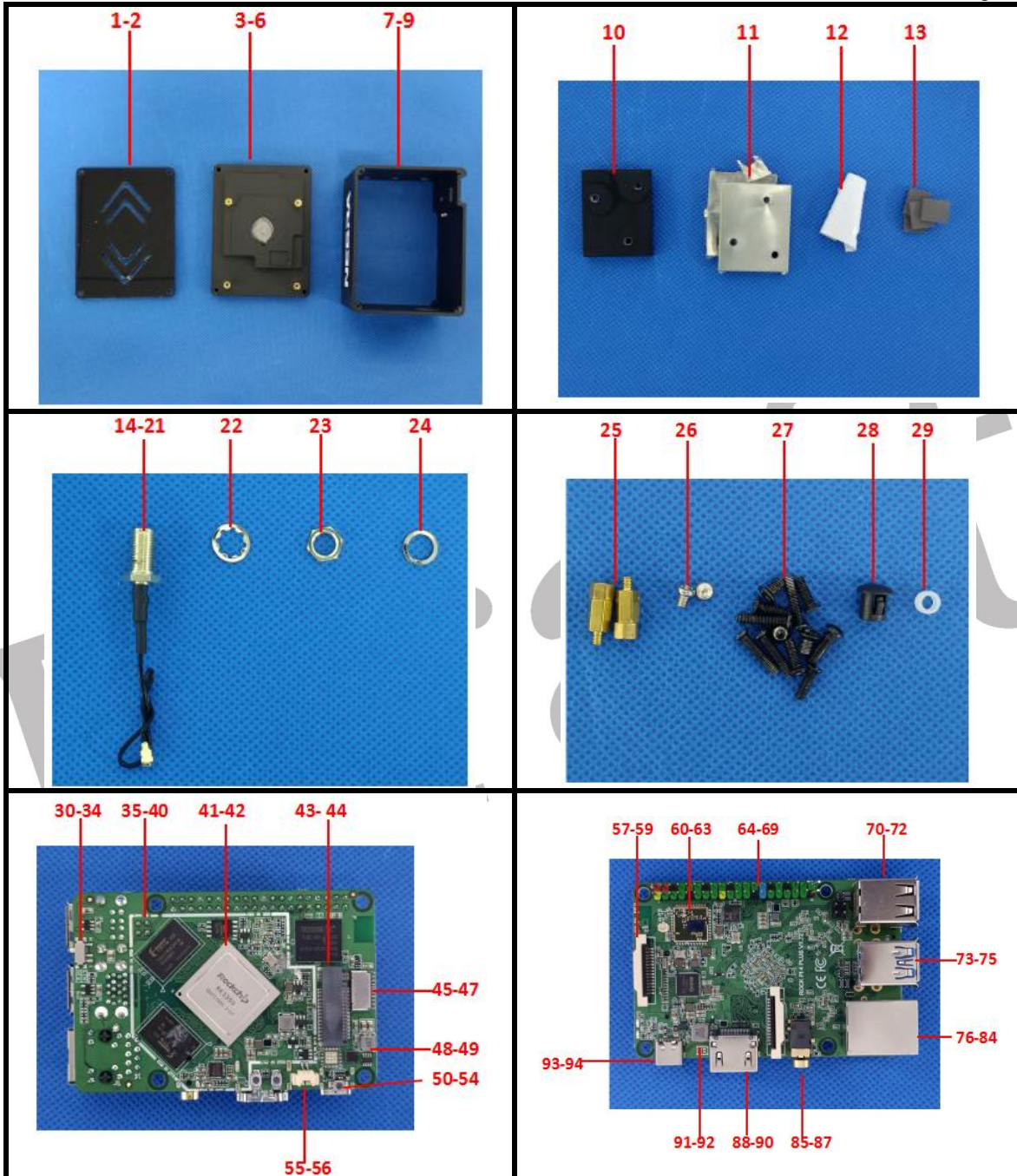
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中国 广东省 深圳市 宝安区 隆昌路 8 号 飞扬科技园 8 座 9 楼
Tel: +86-0755-32936716, E-mail: DTI@deesev.cn

Appendix II

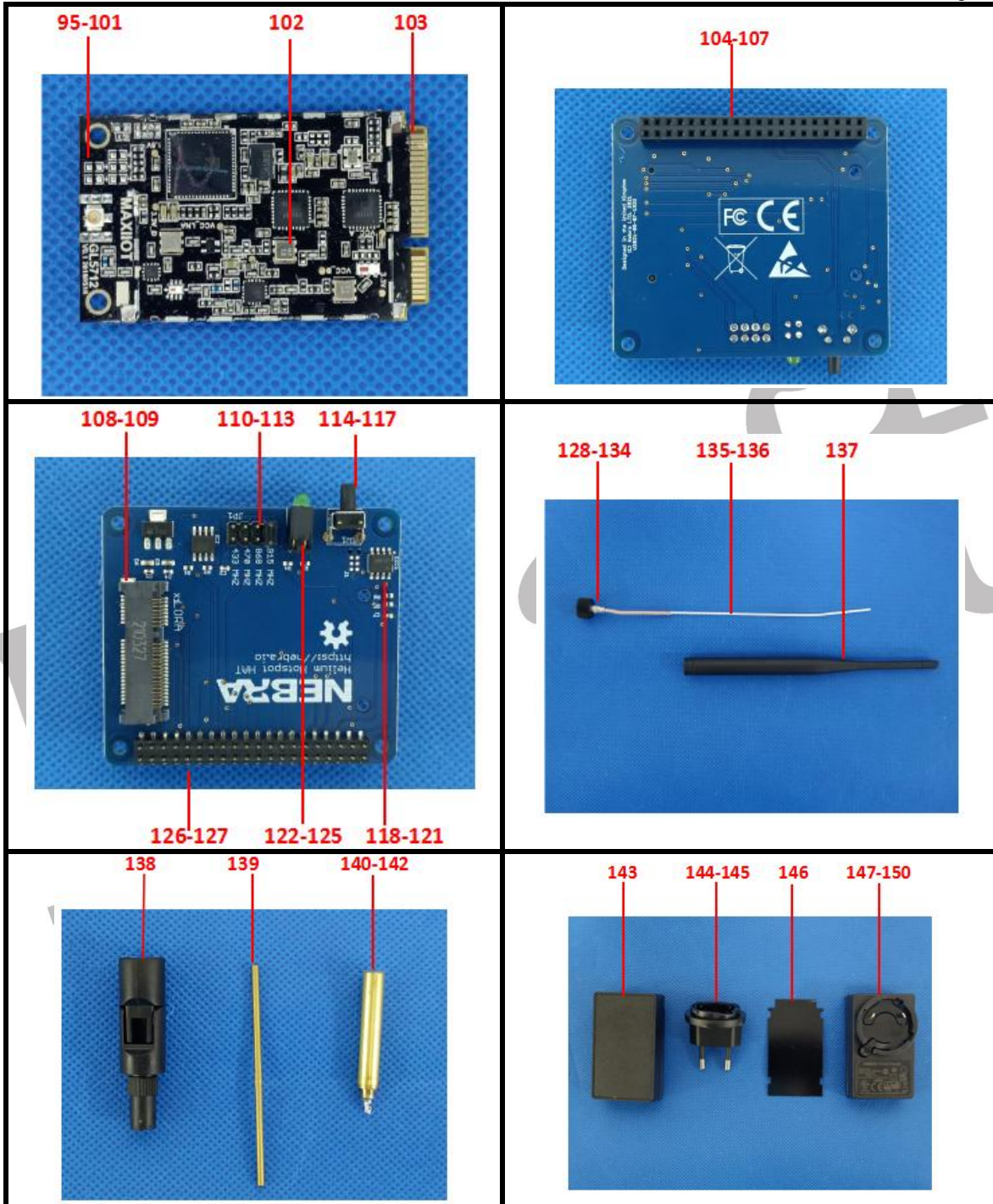
Photograph of Sample



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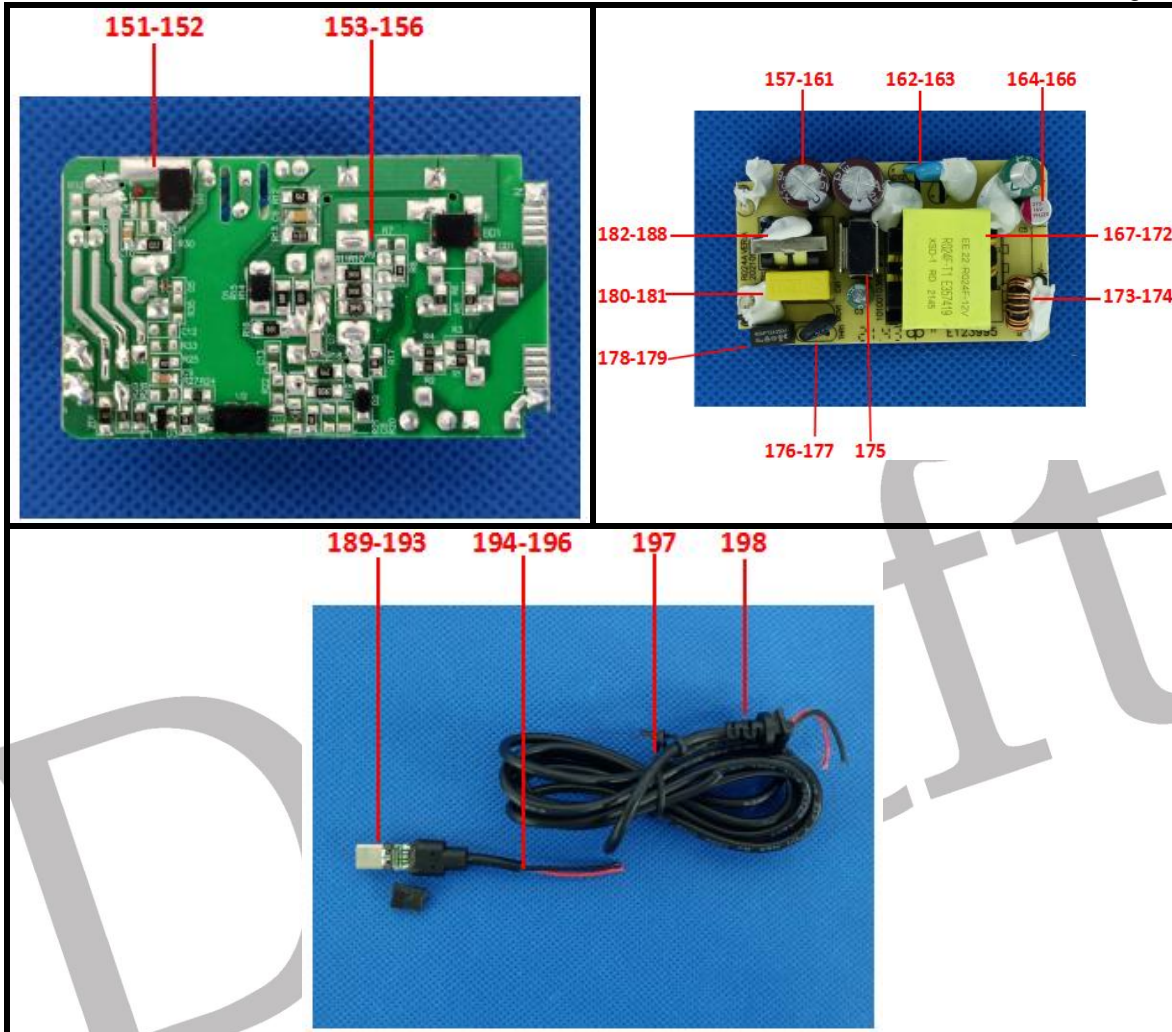
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*** End of Report ***

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