


TEST REPORT

Report No.: AZT032208240028C-010

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Applicant : PHROZEN TECH CO.,LTD.
Address : 3F., NO287, NIUPO RD., XIANGSHAN DIST., HSINCHU CITY 30091, TAIWAN (R.O.C)
Manufacturer's name : PHROZEN TECH CO.,LTD.
Address : 3F., NO287, NIUPO RD., XIANGSHAN DIST., HSINCHU CITY 30091, TAIWAN (R.O.C)

Report on the submitted samples said to be:

Sample Name : Phrozen Curing Station Post Curing UV Lamp
Trade Mark : 
Tested model : Phrozen Curing Station
Series models : N/A
Testing Period : August 24, 2022 ~ September 28, 2022
Date of issue : November 17, 2022
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), Benzyl butyl 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

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Signed for and on behalf of AZT



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Results:
A.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 | | | | | |
|----------|----------------------------------|---------|----|----|-----|------|-------|
| | | Cd | Pb | Hg | Cr▼ | Br▼ | |
| | | | | | | PBBs | PBDEs |
| 1 | Yellow plastic case | BL | BL | BL | BL | BL | BL |
| 2 | Black sticker w/ white lettering | BL | BL | BL | BL | BL | BL |
| 3 | Before the black shell | BL | BL | BL | BL | BL | BL |
| 4 | Black back cover | BL | BL | BL | BL | BL | BL |
| 5 | Black shell | BL | BL | BL | BL | BL | BL |
| 6 | Black base | BL | BL | BL | BL | BL | BL |
| 7 | Transparent disc | BL | BL | BL | BL | BL | BL |
| 8 | Transparent plastic strip | BL | BL | BL | BL | BL | BL |
| 9 | Transparent plastic sheet | BL | BL | BL | BL | BL | BL |
| 10 | Black plastic | BL | BL | BL | BL | BL | BL |
| 11 | Silver metal strip | BL | BL | BL | BL | / | / |
| 12 | Black rubber mat | BL | BL | BL | BL | BL | BL |
| 13 | Black tape | BL | BL | BL | BL | BL | BL |
| 14 | Copper metal nut | BL | BL | BL | BL | / | / |
| 15 | Silver metal screw (large) | BL | BL | BL | BL | / | / |
| 16 | Silver metal screw (middle) | BL | BL | BL | BL | / | / |
| 17 | Silver metal screw (small) | BL | BL | BL | BL | / | / |
| 18 | Black metal screw | BL | BL | BL | BL | / | / |
| 19 | Silver metal sheet (motor) | BL | BL | BL | BL | / | / |
| 20 | Lubricating oil (motor) | BL | BL | BL | BL | BL | BL |
| 21 | Silver metal bar (motor) | BL | BL | BL | X | / | / |
| 22 | Black soft material (motor) | BL | BL | BL | BL | BL | BL |
| 23 | White plastic (motor) | BL | BL | BL | BL | BL | BL |
| 24 | White plastic gear (motor) | BL | BL | BL | BL | BL | BL |
| 25 | Silver metal sheet (motor) | BL | BL | BL | BL | / | / |
| 26 | Copper metal ring (motor) | BL | BL | BL | BL | / | / |
| 27 | Silver metal screw (motor) | BL | BL | BL | BL | / | / |



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| Seq. No. | Tested Part(s) | Results | | | | | |
|----------|-----------------------------------|---------|----|----|-----|------|-------|
| | | Cd | Pb | Hg | Cr▼ | Br▼ | |
| | | | | | | PBBs | PBDEs |
| 28 | Silver metal bar (motor) | BL | BL | BL | BL | / | / |
| 29 | White plastic sheet (motor) | BL | BL | BL | BL | BL | BL |
| 30 | Silver metal sheet (motor) | BL | BL | BL | X | / | / |
| 31 | Silver metal bar (motor) | BL | BL | BL | X | / | / |
| 32 | Copper wire (motor) | BL | BL | BL | BL | / | / |
| 33 | Black plastic | BL | BL | BL | BL | X | X |
| 34 | A sticker w/ black lettering | BL | BL | BL | BL | BL | BL |
| 35 | Silver metal ring | OL | BL | BL | BL | / | / |
| 36 | Black soft material | BL | BL | BL | BL | BL | BL |
| 37 | Silver metal sheet | BL | BL | BL | X | / | / |
| 38 | Copper wire | BL | BL | BL | BL | / | / |
| 39 | Solder (green PCB) | BL | BL | BL | BL | / | / |
| 40 | Green PCB | BL | BL | BL | BL | BL | BL |
| 41 | IC (green PCB) | BL | BL | BL | BL | BL | BL |
| 42 | White plastic | BL | BL | BL | BL | BL | BL |
| 43 | Silver metal | BL | BL | BL | BL | / | / |
| 44 | Black plastic (insulated wire) | BL | BL | BL | BL | BL | BL |
| 45 | Copper wire | BL | BL | BL | BL | / | / |
| 46 | Red plastic (insulated wire) | BL | BL | BL | BL | BL | BL |
| 47 | Black plastic pipe (wire cover) | BL | BL | BL | BL | BL | BL |
| 48 | Brown plastic (insulated wire) | BL | BL | BL | BL | BL | BL |
| 49 | Black plastic (insulated wire) | BL | BL | BL | BL | BL | BL |
| 50 | Blue plastic (insulated wire) | BL | BL | BL | BL | BL | BL |
| 51 | LED (green PCB) | BL | BL | BL | BL | BL | BL |
| 52 | White plastic (green PCB) | BL | BL | BL | BL | BL | BL |
| 53 | Silver wire (green PCB) | BL | BL | BL | BL | / | / |
| 54 | Green PCB w/ white print | BL | BL | BL | BL | X | X |
| 55 | Solder (black PCB) | BL | BL | BL | BL | / | / |
| 56 | LED (black PCB) | BL | BL | BL | BL | BL | BL |
| 57 | Black metal PCB w/ white printing | BL | BL | BL | BL | / | / |



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| Seq. No. | Tested Part(s) | Results | | | | | |
|----------|--|---------|----|----|-----|------|-------|
| | | Cd | Pb | Hg | Cr▼ | Br▼ | |
| | | | | | | PBBs | PBDEs |
| 58 | Silver metal screw (black PCB) | OL | BL | BL | BL | / | / |
| 59 | Green plastic (black PCB) | BL | BL | BL | BL | BL | BL |
| 60 | Black PCB w/ white print | BL | BL | BL | BL | X | X |
| 61 | Silver metal sheet (black PCB) | BL | BL | BL | BL | / | / |
| 62 | Black plastic (black PCB) | BL | BL | BL | BL | X | X |
| 63 | Black plastic button (black PCB) | BL | BL | BL | BL | BL | BL |
| 64 | Black plastic film w/ white printing (capacitor) | BL | BL | BL | BL | BL | BL |
| 65 | Black rubber (capacitor) | BL | BL | BL | BL | BL | BL |
| 66 | Electrolytic paper (capacitance) | BL | BL | BL | BL | BL | BL |
| 67 | Aluminum foil (capacitance) | BL | BL | BL | BL | / | / |
| 68 | Aluminum foil (capacitance) | BL | OL | BL | BL | / | / |
| 69 | Silver metal case (capacitor) | OL | OL | BL | BL | / | / |
| 70 | Silver metal capacitor w/ black lettering | BL | BL | BL | BL | / | / |
| 71 | IC (black PCB) | BL | BL | BL | BL | BL | BL |
| 72 | Diode (black PCB) | BL | BL | BL | BL | BL | BL |
| 73 | Gold metal (black PCB) | BL | BL | BL | BL | / | / |
| 74 | Black plastic (black PCB) | BL | BL | BL | BL | X | X |
| 75 | Silver wire (black PCB) | BL | BL | BL | BL | / | / |
| 76 | Patch resistance (black PCB) | BL | BL | BL | X | BL | BL |
| 77 | Black plastic film (black PCB) | BL | BL | BL | BL | BL | BL |
| 78 | Copper wire (black PCB) | BL | BL | BL | BL | / | / |
| 79 | Black ceramic (black PCB) | BL | BL | BL | BL | BL | BL |
| 80 | Black inductor (black PCB) | BL | BL | BL | BL | BL | BL |
| 81 | IC (black PCB) | BL | BL | BL | BL | BL | BL |
| 82 | Black PCB w/ white print | BL | BL | BL | BL | X | X |
| 83 | Black coated metal frame (display) | BL | BL | BL | BL | / | / |
| 84 | Silver metal sheet (display screen) | BL | BL | BL | X | / | / |
| 85 | Black glass (display) | BL | BL | BL | BL | BL | BL |
| 86 | Yellow baseband w/ white printing (display) | BL | BL | BL | BL | BL | BL |
| 87 | White plastic frame (display) | BL | BL | BL | BL | BL | BL |



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| Seq. No. | Tested Part(s) | Results | | | | | |
|----------|---|---------|----|----|-----|------|-------|
| | | Cd | Pb | Hg | Cr▼ | Br▼ | |
| | | | | | | PBBs | PBDEs |
| 88 | Transparent plastic sheet (display screen) | BL | BL | BL | BL | BL | BL |
| 89 | White plastic film (display screen) | BL | BL | BL | BL | BL | BL |
| 90 | Silver plastic film (display screen) | BL | BL | BL | BL | BL | BL |
| 91 | White plastic film (display screen) | BL | BL | BL | BL | BL | BL |
| 92 | Transparent plastic film (display screen) | BL | BL | BL | BL | BL | BL |
| 93 | Black plastic case | BL | BL | BL | BL | BL | BL |
| 94 | Silver metal bar | BL | BL | BL | BL | / | / |
| 95 | Red copper wire (coil) | BL | BL | BL | BL | / | / |
| 96 | Copper wire (coil) | BL | BL | BL | BL | / | / |
| 97 | Grey ceramic (coil) | BL | BL | BL | BL | BL | BL |
| 98 | Blue capacitor (green PCB) | BL | BL | BL | BL | BL | BL |
| 99 | Black ceramic (green PCB) | BL | BL | BL | X | BL | BL |
| 100 | Black plastic film (green PCB) | BL | BL | BL | BL | BL | BL |
| 101 | Copper wire (green PCB) | BL | BL | BL | BL | / | / |
| 102 | Silver metal sheet (green PCB) | BL | BL | BL | BL | / | / |
| 103 | White solid adhesive (green PCB) | BL | BL | BL | BL | BL | BL |
| 104 | Green plastic film w/ yellow printing (capacitor) | BL | BL | BL | BL | BL | BL |
| 105 | Black rubber (capacitor) | BL | BL | BL | BL | BL | BL |
| 106 | Electrolytic paper (capacitance) | BL | BL | BL | BL | BL | BL |
| 107 | Aluminum foil (capacitance) | BL | OL | BL | BL | / | / |
| 108 | Aluminum foil (capacitance) | OL | BL | BL | BL | / | / |
| 109 | Silver metal case (capacitor) | BL | BL | BL | BL | / | / |
| 110 | Silver metal sheet (green PCB) | BL | OL | BL | BL | / | / |
| 111 | Yellow tape w/ black lettering (transformer) | BL | BL | BL | BL | BL | BL |
| 112 | Black plastic (green PCB) | BL | BL | BL | BL | BL | BL |
| 113 | Black ceramic (green PCB) | BL | BL | BL | X | BL | BL |
| 114 | Copper wire (green PCB) | BL | BL | BL | BL | / | / |
| 115 | Yellow plastic wire (green PCB) | BL | BL | BL | BL | BL | BL |
| 116 | Yellow tape (green PCB) | BL | BL | BL | BL | BL | BL |
| 117 | Yellow capacitance (green PCB) | BL | BL | BL | BL | X | X |



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| Seq. No. | Tested Part(s) | Results | | | | | |
|----------|---------------------------------|---------|----|----|-----|------|-------|
| | | Cd | Pb | Hg | Cr▼ | Br▼ | |
| | | | | | | PBBs | PBDEs |
| 118 | IC (green PCB) | BL | BL | BL | BL | BL | BL |
| 119 | Patch capacitance (green PCB) | BL | BL | BL | BL | BL | BL |
| 120 | Solder (green PCB) | BL | BL | BL | BL | / | / |
| 121 | Patch resistance (green PCB) | BL | BL | BL | BL | BL | BL |
| 122 | Green PCB w/ black print | BL | BL | BL | BL | X | X |
| 123 | Black plastic | BL | BL | BL | BL | BL | BL |
| 124 | Silver metal | BL | BL | BL | BL | / | / |
| 125 | Black plastic | BL | BL | BL | BL | X | X |
| 126 | Black plastic | BL | BL | BL | BL | BL | BL |
| 127 | Black plastic pipe (wire cover) | BL | BL | BL | BL | BL | BL |
| 128 | Black plastic (insulated wire) | BL | BL | BL | BL | BL | BL |
| 129 | Copper wire | BL | BL | BL | BL | / | / |
| 130 | Red plastic (insulated wire) | BL | BL | BL | BL | BL | BL |
| 131 | Black plastic case | BL | BL | BL | BL | X | X |
| 132 | Silver metal bar | BL | BL | BL | BL | / | / |



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Note:

- (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

- (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.
- (3) The maximum permissible limit is quoted from the document 2015/863/EC amending RoHS directive 2011/65/EU:
- (4) ▼ =For restricted substances PBBs and PBDEs, the results show the total Br content; The restricted substance was Cr (VI), and the results showed the total Cr content



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| 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 diphenyl ethers (PBDEs) | 1000 |
| Dibutyl Phthalate (DBP) | 1000 |
| Benzyl butyl Phthalate (BBP) | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 1000 |
| Diisobutyl Phthalate (DIBP) | 1000 |

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.



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B. EU RoHS Directive 2011/65/EU and its amendment Directives 2015/863/EU on Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DBP, BBP, DEHP, DIBP content.

Test method:

Lead (Pb) & Cadmium (Cd) 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 (Hg) 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 (Cr⁶⁺) Content:

With reference to IEC 62321-7-1:2015 or 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)

BBP DBP DEHP & DIBP Content:

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

1) The test results of Lead (Pb), Cadmium (Cd) and Mercury (Hg)

| Item | Unit | MDL | Results | | | | Limit |
|-----------|-------|-----|---------|------|-----|------|-------|
| | | | 68 | 69 | 107 | 110 | |
| Lead (Pb) | mg/kg | 2 | N.D. | N.D. | 15 | N.D. | 1000 |

| Item | Unit | MDL | Results | | | | Limit |
|----------------------|-------|-----|---------|------|------|------|-------|
| | | | 35 | 58 | 69 | 108 | |
| Cadmium Content (Cd) | mg/kg | 2 | N.D. | N.D. | N.D. | N.D. | 100 |

2) The test results of Hexavalent Chromium (Cr⁶⁺) (for nonmetal)

| Item | Unit | MDL | Results | | | Limit |
|-------------------------------|-------|-----|---------|------|------|-------|
| | | | 76 | 99 | 113 | |
| Hexavalent Chromium (Cr (VI)) | mg/kg | 8 | N.D. | N.D. | N.D. | 1000 |

3) The test results of Hexavalent Chromium (Cr⁶⁺) (metal)

| Item | Unit | MDL | Results | | | | Limit |
|------------------------------|--------------------|------|----------|----------|----------|----------|-------|
| | | | 21 | 30 | 31 | 37 | |
| Hexavalent Chromium(Cr(VI))▼ | ug/cm ² | 0.10 | Negative | Negative | Negative | Negative | -- |



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| Item | Unit | MDL | Results | Limit |
|------------------------------|--------------------|------|----------|-------|
| | | | 84 | |
| Hexavalent Chromium(Cr(VI))▼ | ug/cm ² | 0.10 | Negative | -- |

Note:

- MDL = Method Detection Limit
- /= Not apply
- LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 µg/cm²
- 0.1%=1000mg/kg
- N.D.=Not Detected (<MDL or LOQ)
- ▼ = 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 0.10µg/cm² and 0.13µg/cm² is considered to be inconclusive, unavoidable coating variations may influence the determination

- #1 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in glass of cathode ray tubes, electronic components and fluorescent tubes.
- #2 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in electronic ceramic parts (e.g. piezo electronic devices).
- #3 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.
- #4 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).
- #5 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its amendments, Lead is exempted as an alloying element in Aluminum containing up to 0.4% (4000ppm) by weight.
- #6 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its amendments, Cadmium and its compounds in electrical contact is exempted.
- #7 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its Amendments, Lead is exempted in steel for machining purposes and in galvanized steel containing up to 0.35% (3500ppm) by weight.

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

| Item | CAS No. | Unit | MDL | Results | | | Limit |
|------------------------------------|----------|-------|-----|----------|---------|------------|-------|
| | | | | 1+5+8+10 | 2+3+4+6 | 7+13+20+34 | |
| Dibutyl Phthalate (DBP) | 84-74-2 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Benzyl butyl Phthalate (BBP) | 85-68-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl Phthalate (DIBP) | 84-69-5 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |


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| Item | CAS No. | Unit | MDL | Results | | | Limit |
|------------------------------------|----------|-------|-----|----------------------|--------------|-----------------|-------|
| | | | | 9+77 +100 +104 | 12+44 +46 | 22+23 +24+29 | |
| Dibutyl Phthalate (DBP) | 84-74-2 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Benzyl butyl Phthalate (BBP) | 85-68-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl Phthalate (DIBP) | 84-69-5 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |

| Item | CAS No. | Unit | MDL | Results | | | Limit |
|------------------------------------|----------|-------|-----|-----------------|-----------------|--------------|-------|
| | | | | 33+42 +52+59 | 36+56 +66+79 | 40+54 +60 | |
| Dibutyl Phthalate (DBP) | 84-74-2 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Benzyl butyl Phthalate (BBP) | 85-68-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl Phthalate (DIBP) | 84-69-5 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |

| Item | CAS No. | Unit | MDL | Results | | | Limit |
|------------------------------------|----------|-------|-----|------------------|--------------|----------------|-------|
| | | | | 41+71 +81+118 | 47+48 +49 | 50+123 +126 | |
| Dibutyl Phthalate (DBP) | 84-74-2 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Benzyl butyl Phthalate (BBP) | 85-68-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl Phthalate (DIBP) | 84-69-5 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |

| Item | CAS No. | Unit | MDL | Results | | | Limit |
|------------------------------------|----------|-------|-----|-----------------|-----------------|-----------------|-------|
| | | | | 51+85 +86+87 | 62+63 +74+88 | 64+89 +90+91 | |
| Dibutyl Phthalate (DBP) | 84-74-2 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Benzyl butyl Phthalate (BBP) | 85-68-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl Phthalate (DIBP) | 84-69-5 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |



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| Item | CAS No. | Unit | MDL | Results | | | Limit |
|------------------------------------|----------|-------|-----|------------------|-----------------|------------------------|-------|
| | | | | 65+97 +99+103 | 72+76 +80+98 | 82+119 +121 +122 | |
| Dibutyl Phthalate (DBP) | 84-74-2 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Benzyl butyl Phthalate (BBP) | 85-68-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl Phthalate (DIBP) | 84-69-5 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |

| Item | CAS No. | Unit | MDL | Results | | | Limit |
|------------------------------------|----------|-------|-----|-----------------------|-------------------------|-----------------|-------|
| | | | | 92+93 +112 +125 | 105+115 +128 +130 | 106+111 +113 | |
| Dibutyl Phthalate (DBP) | 84-74-2 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Benzyl butyl Phthalate (BBP) | 85-68-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl Phthalate (DIBP) | 84-69-5 | mg/kg | 30 | N.D. | N.D. | N.D. | 1000 |

| Item | CAS No. | Unit | MDL | Results | | Limit |
|------------------------------------|----------|-------|-----|-------------|------|-------|
| | | | | 116+117+131 | 127 | |
| Dibutyl Phthalate (DBP) | 84-74-2 | mg/kg | 30 | N.D. | N.D. | 1000 |
| Benzyl butyl Phthalate (BBP) | 85-68-7 | mg/kg | 30 | N.D. | N.D. | 1000 |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | mg/kg | 30 | N.D. | N.D. | 1000 |
| Diisobutyl Phthalate (DIBP) | 84-69-5 | mg/kg | 30 | N.D. | N.D. | 1000 |



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5) The test results of PBBs & PBDEs

| Item | Unit | MDL | Results | | | Limit |
|---|-------|-----|----------|----------|-------------|-------|
| | | | 33+54+60 | 62+74+82 | 117+122+125 | |
| 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 |



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| Item | Unit | MDL | Results | Limit |
|---|-------|-----|---------|-------|
| | | | 131 | |
| Polybrominated Biphenyls (PBBs) | | | | |
| Monobromobiphenyl | 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. | / |
| Nonabromodiphenyl | mg/kg | 5 | N.D. | / |
| Decabromodiphenyl | mg/kg | 5 | N.D. | / |
| Total content | mg/kg | / | N.D. | 1000 |
| Polybrominated Diphenyl ethers (PBDEs)(Mon-Deca) | | | | |
| 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. | / |
| Total content | mg/kg | / | N.D. | 1000 |

Remark:

- 0.1%=1000mg/kg
- N.D. = Not detected
- MDL= Method detected limited
- The samples were mixed for phthalic acid test
- Flow chart appendix is included
- Photo appendix is included.



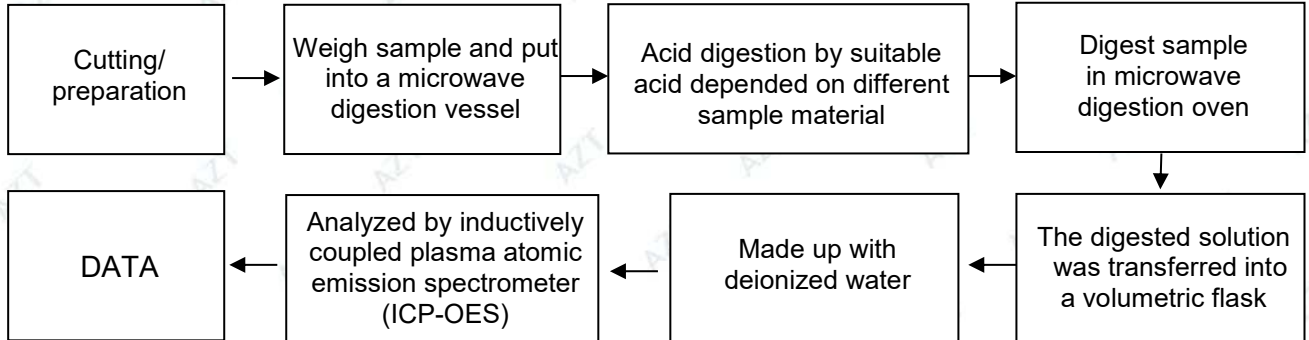
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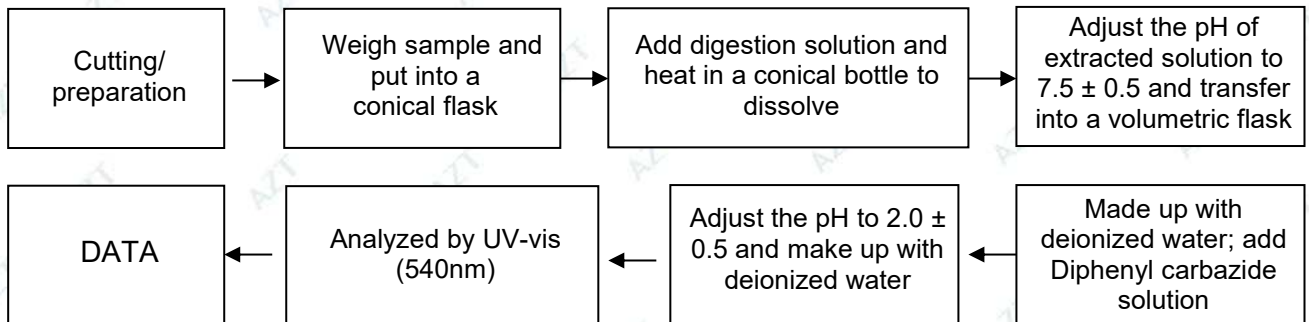
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Appendix

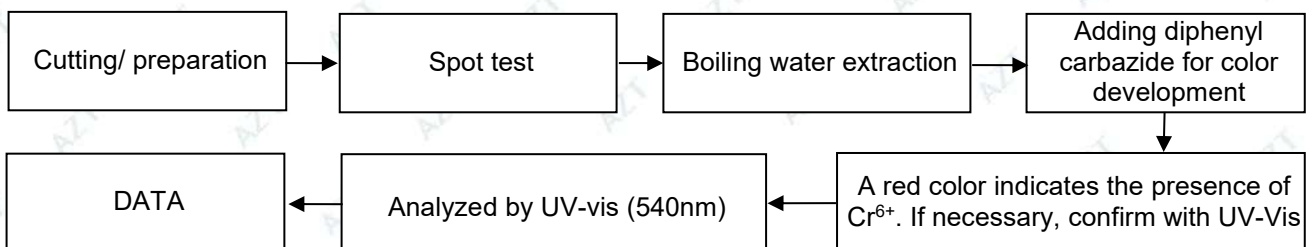
1. Test Flow chart for Cd/Pb /Hg content



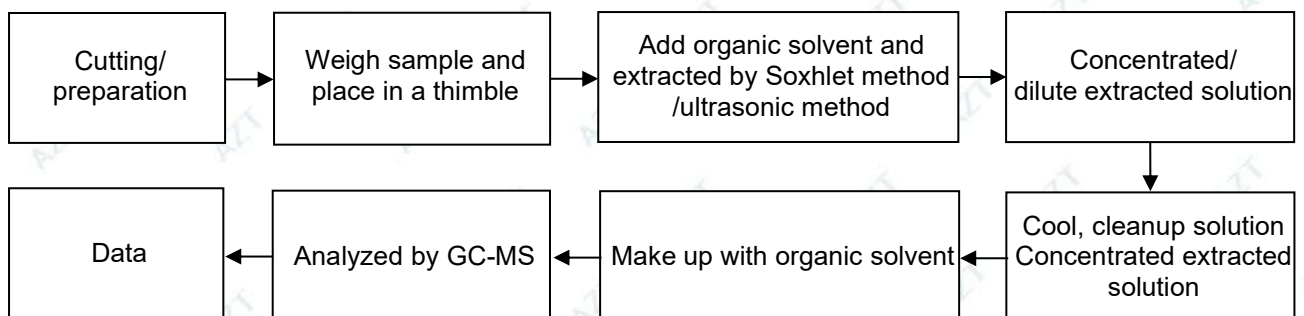
2. Test Flowchart for Cr⁶⁺ content (For non-metal material)



Test Flowchart for Cr⁶⁺ content (For metal material)



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





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The photo of the sample



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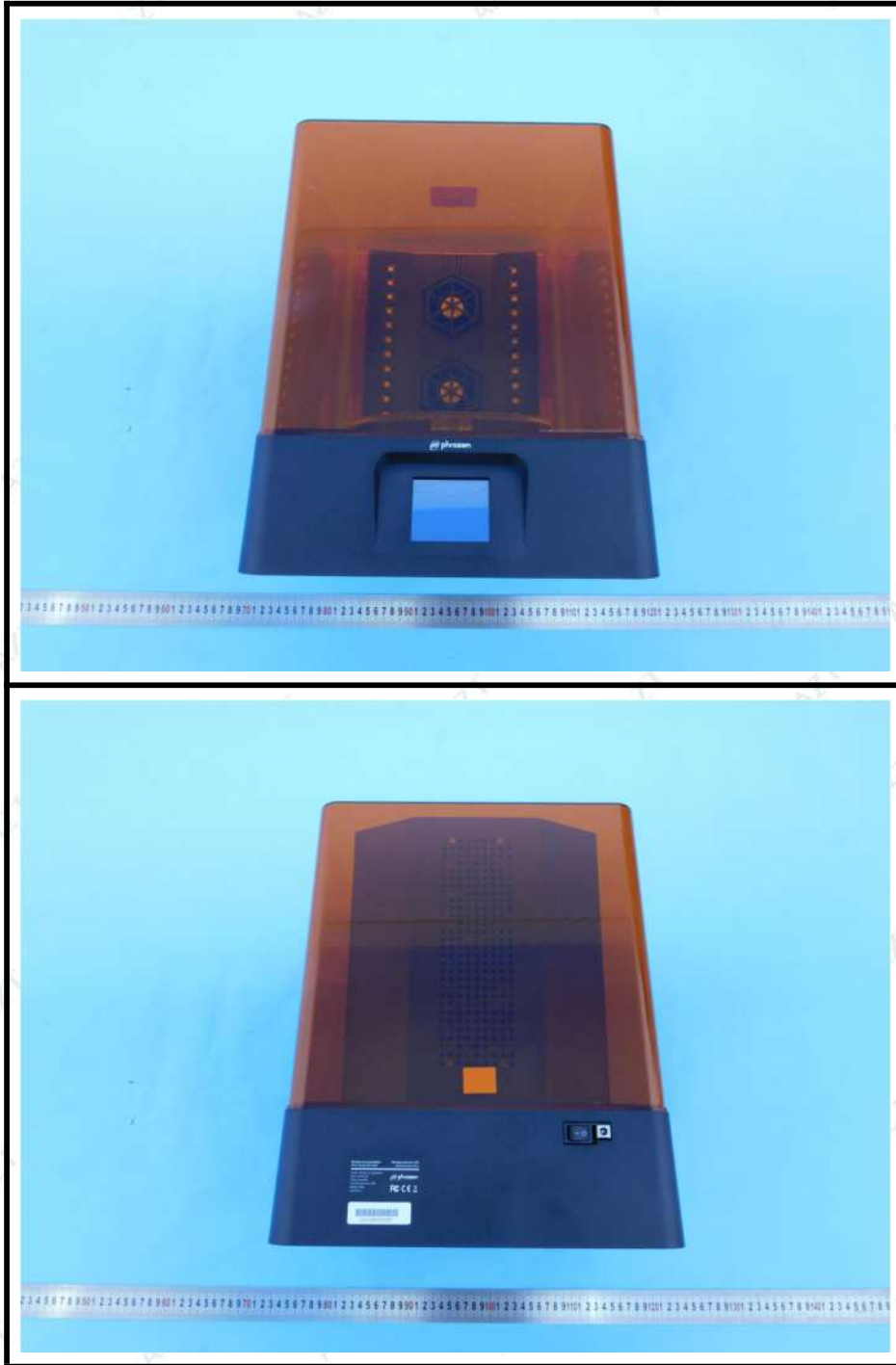
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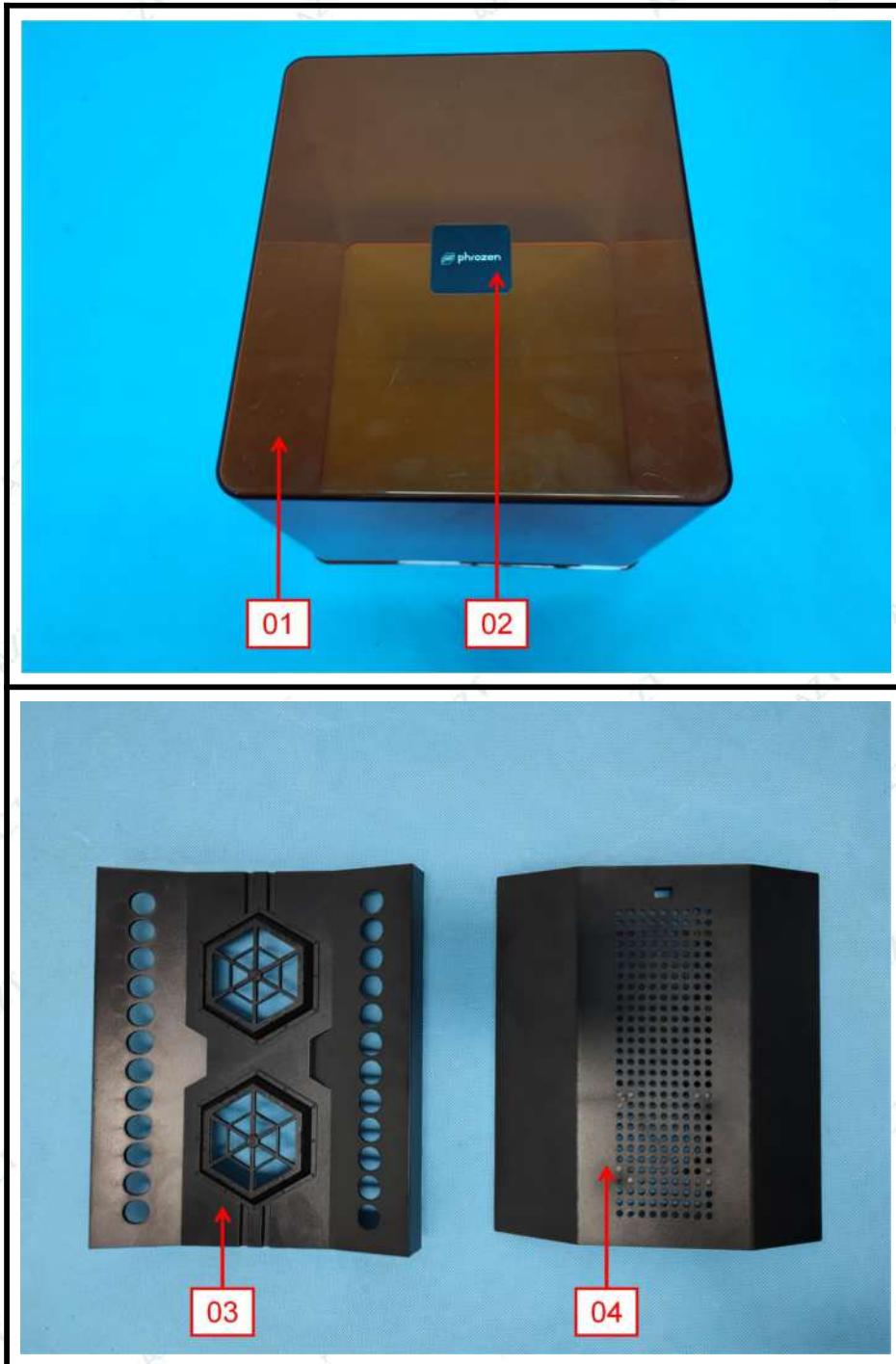
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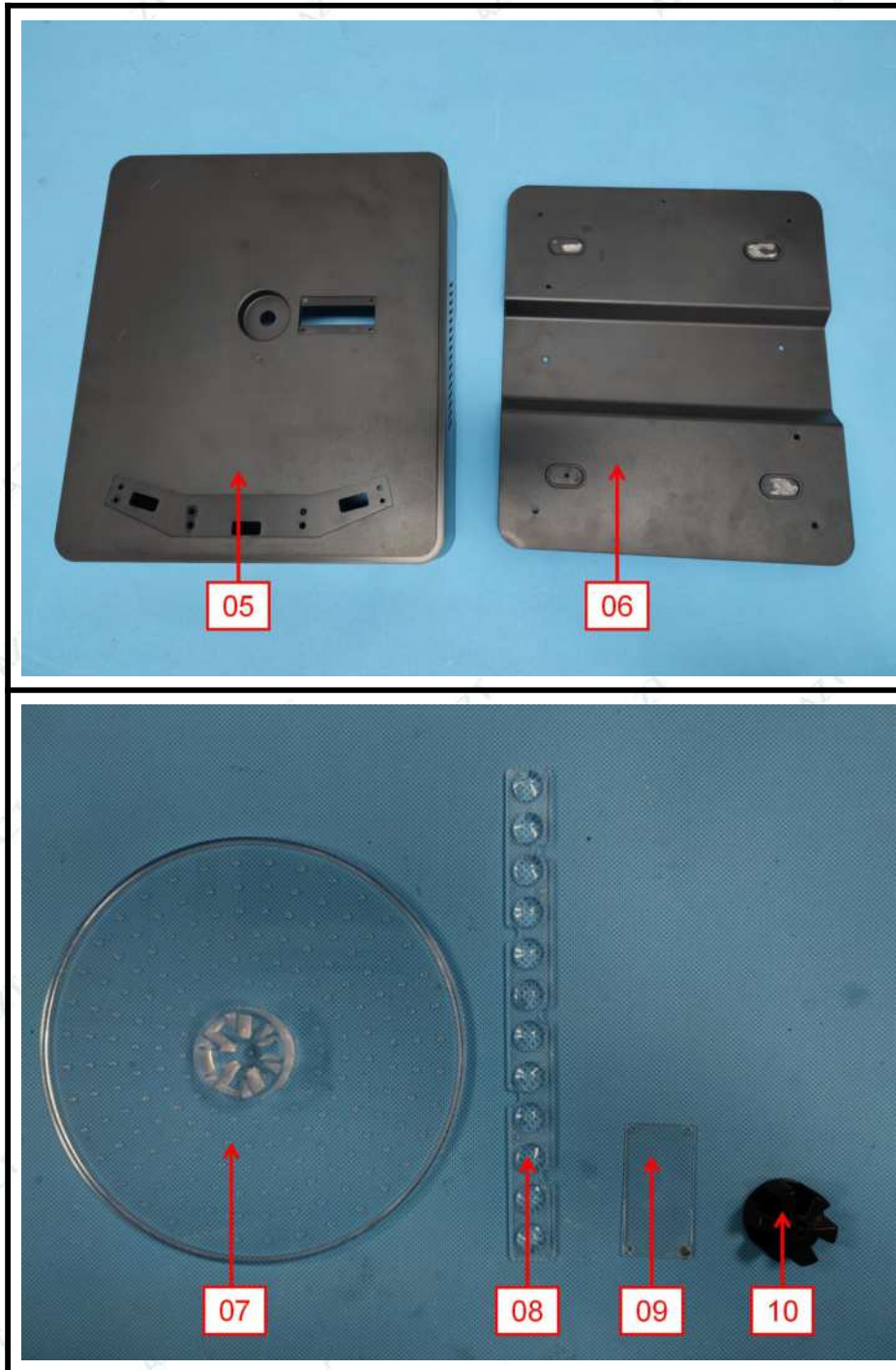
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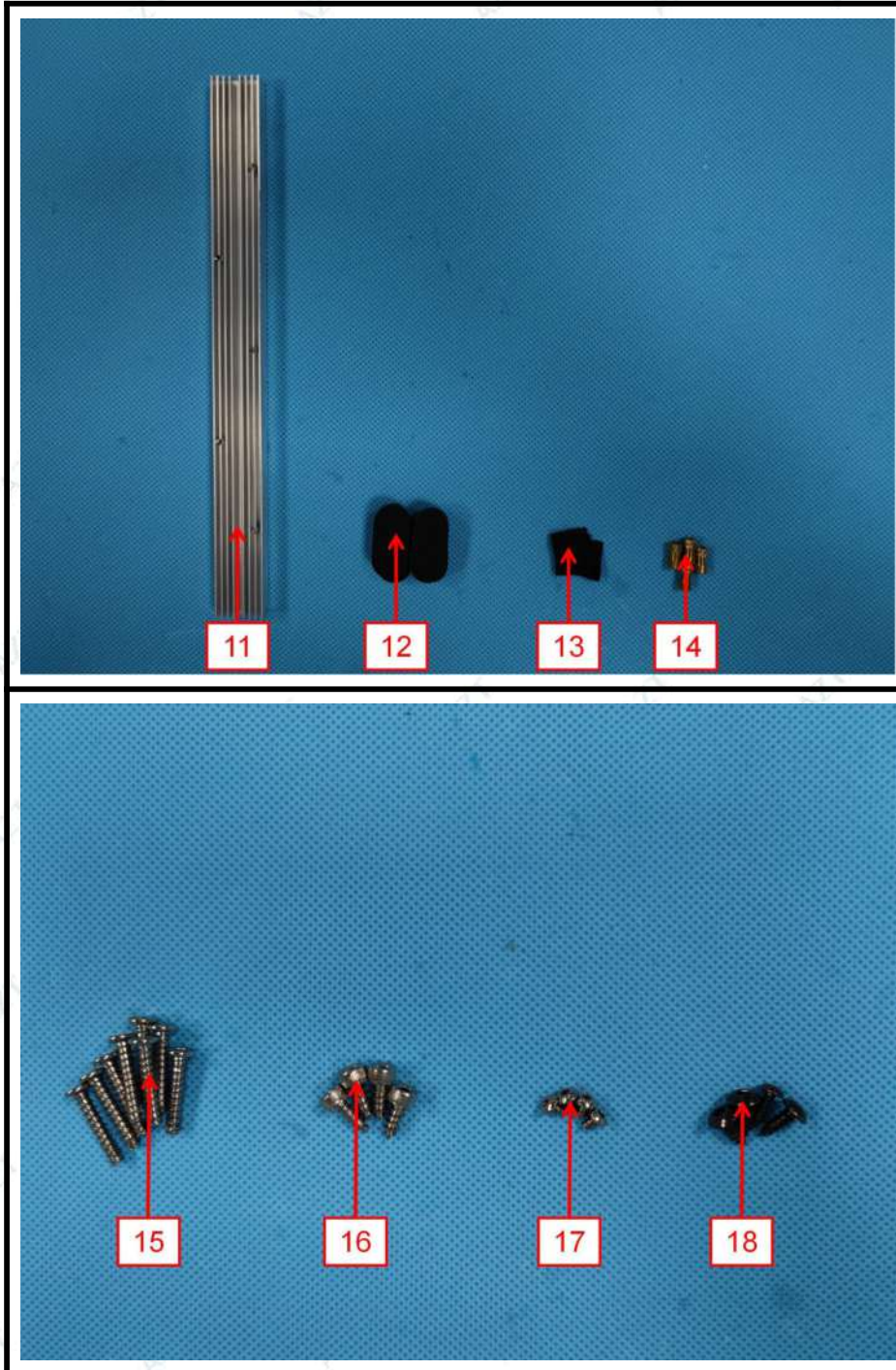
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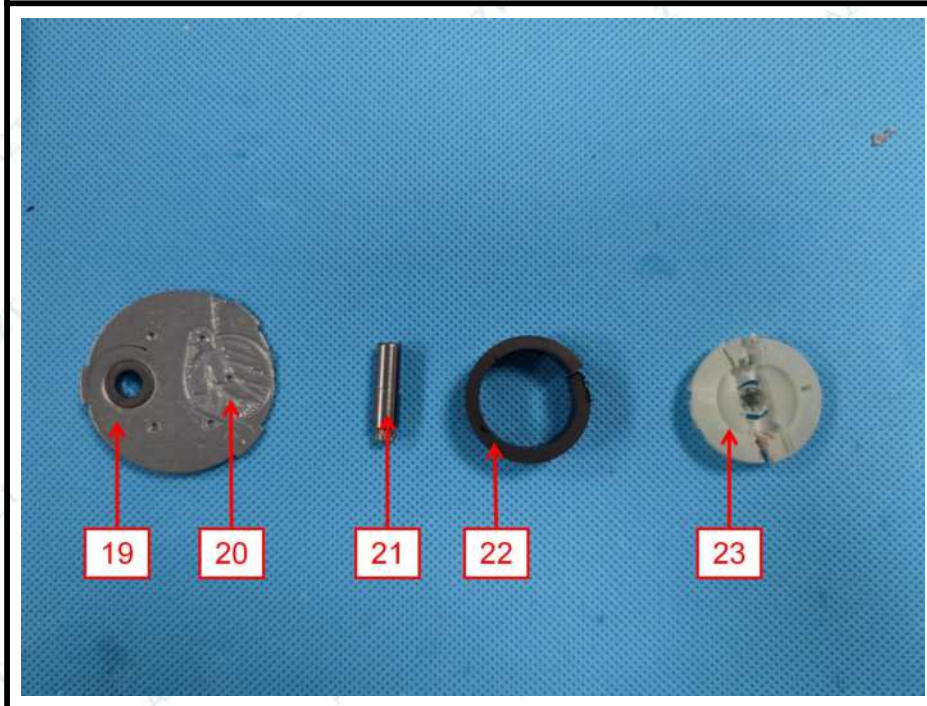
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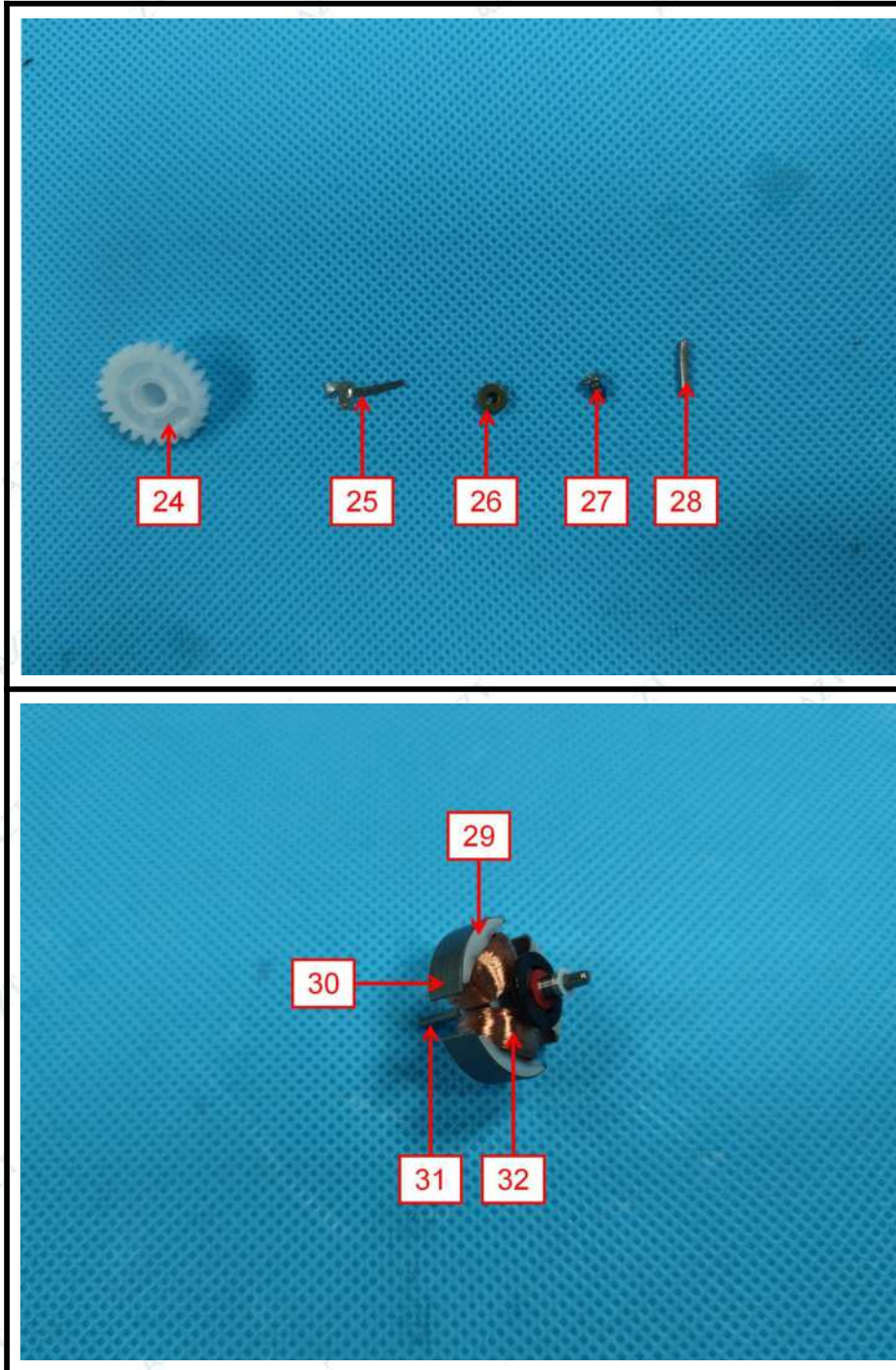
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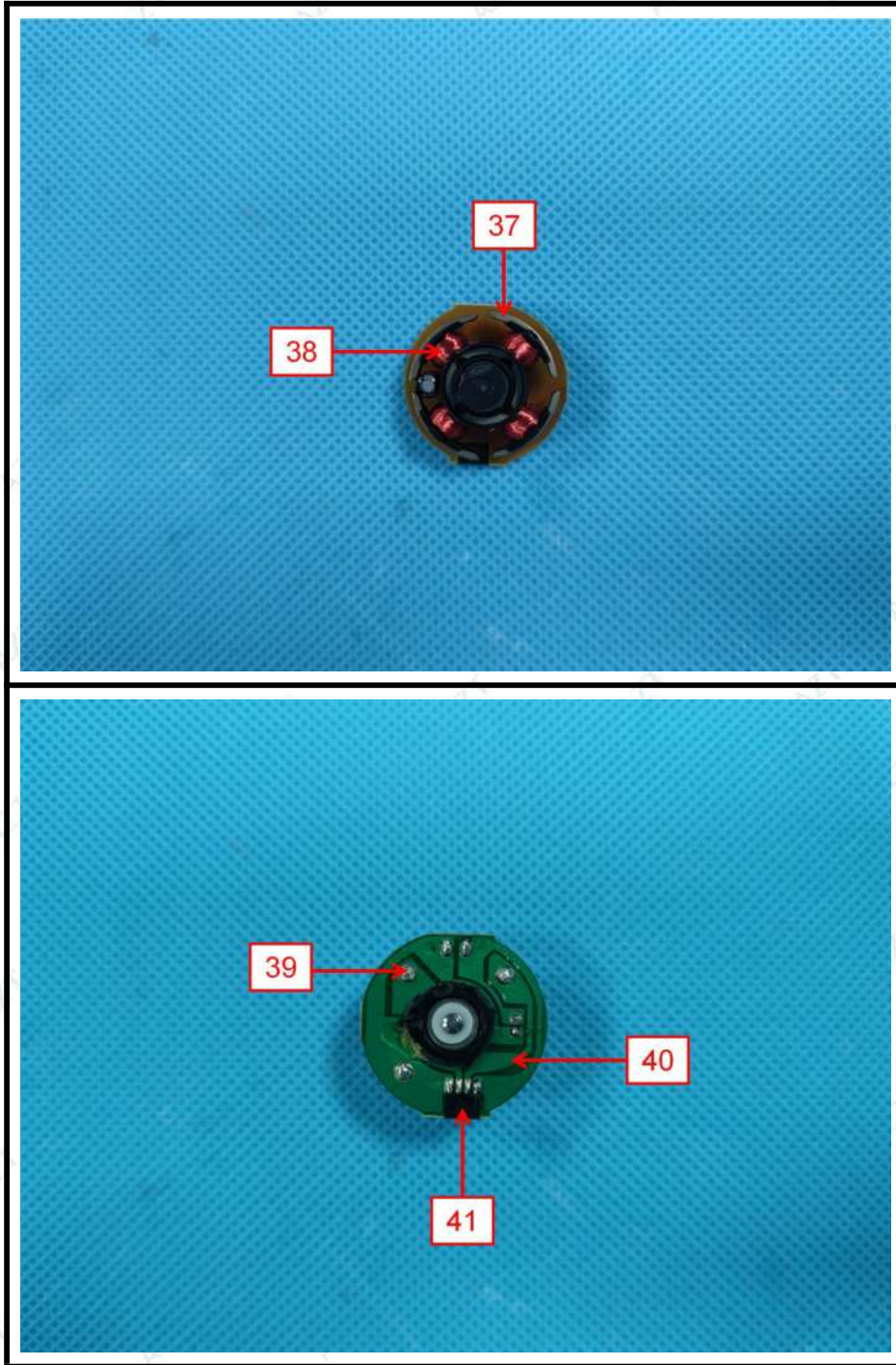
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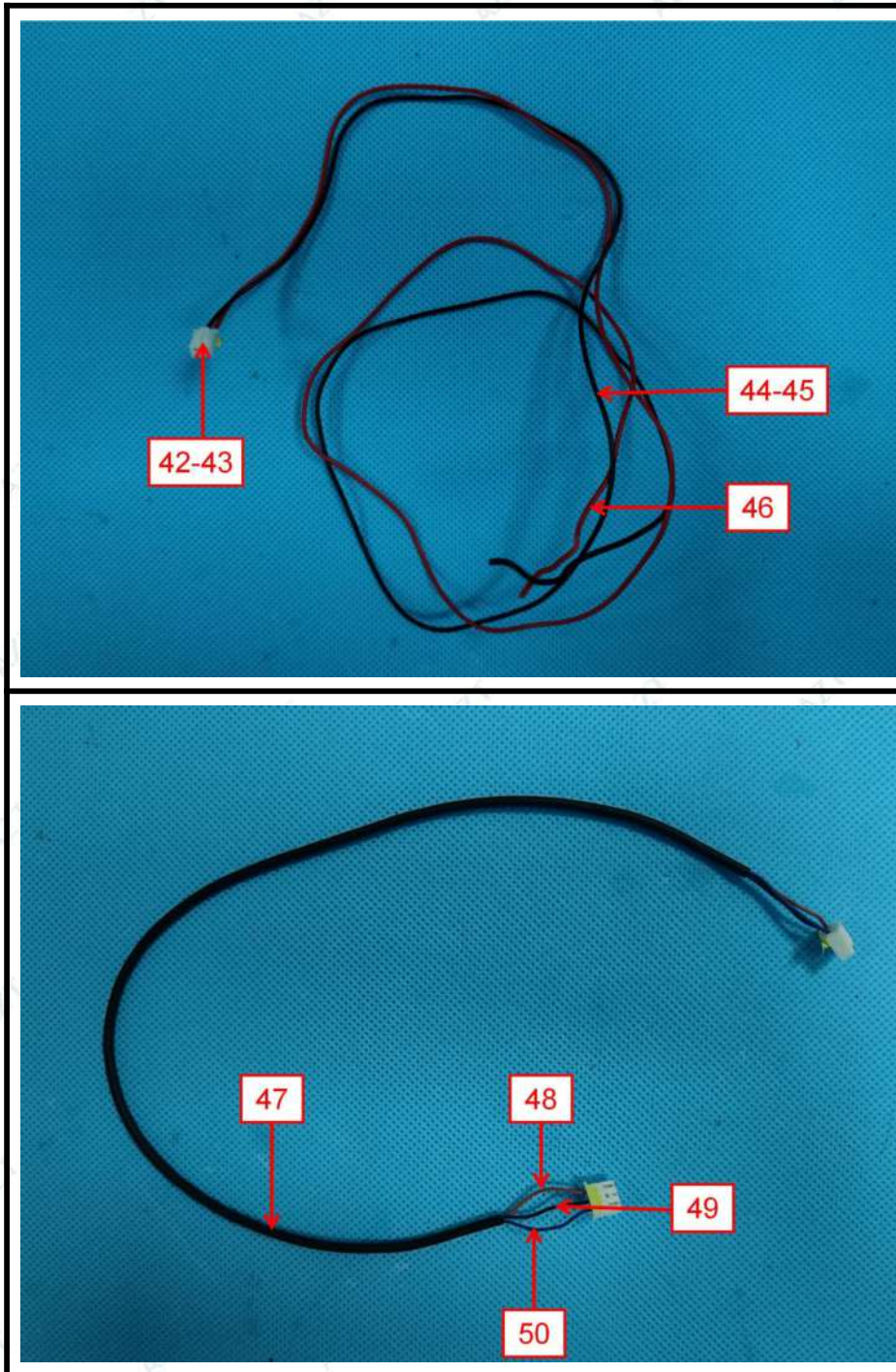
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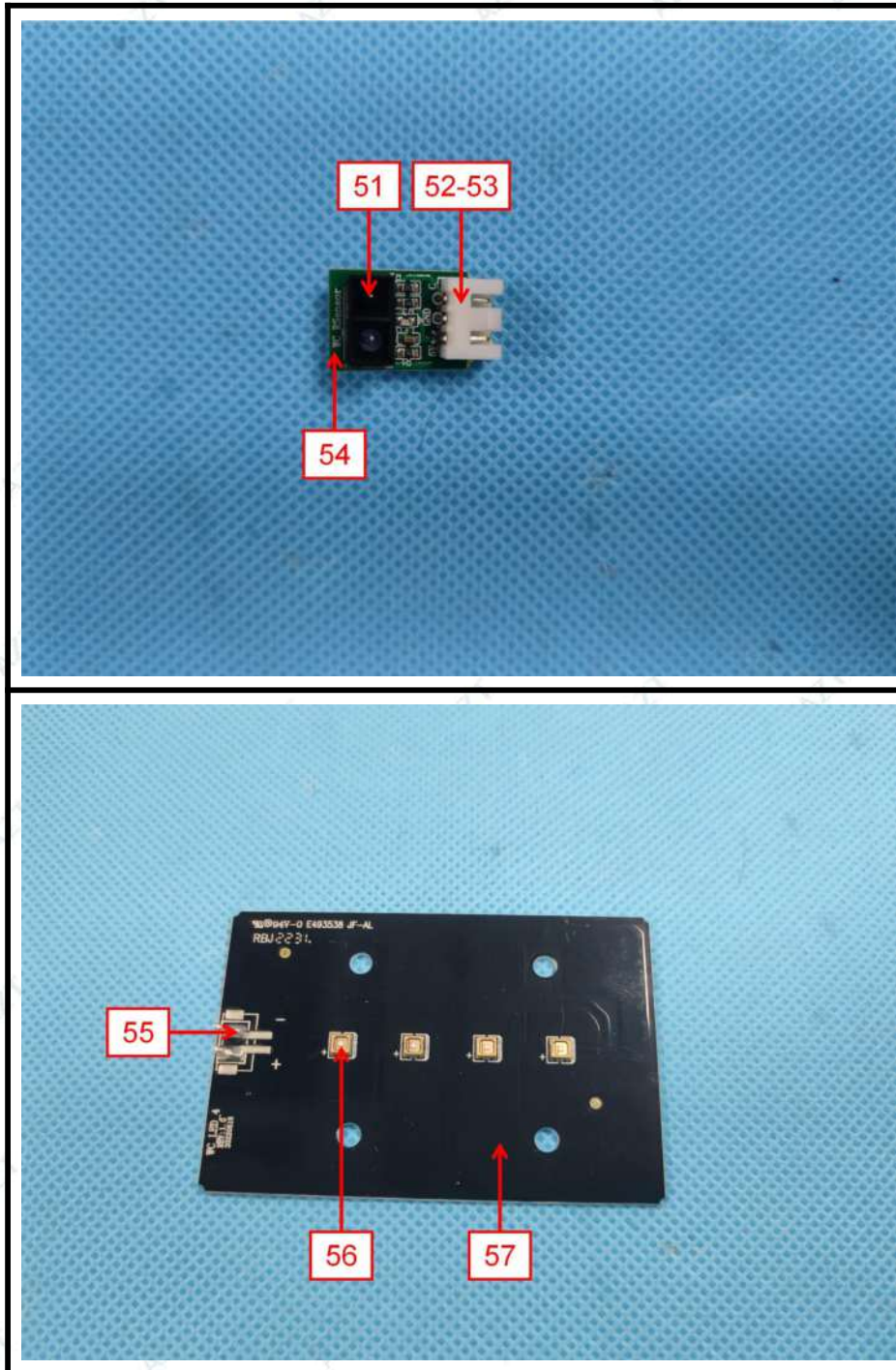
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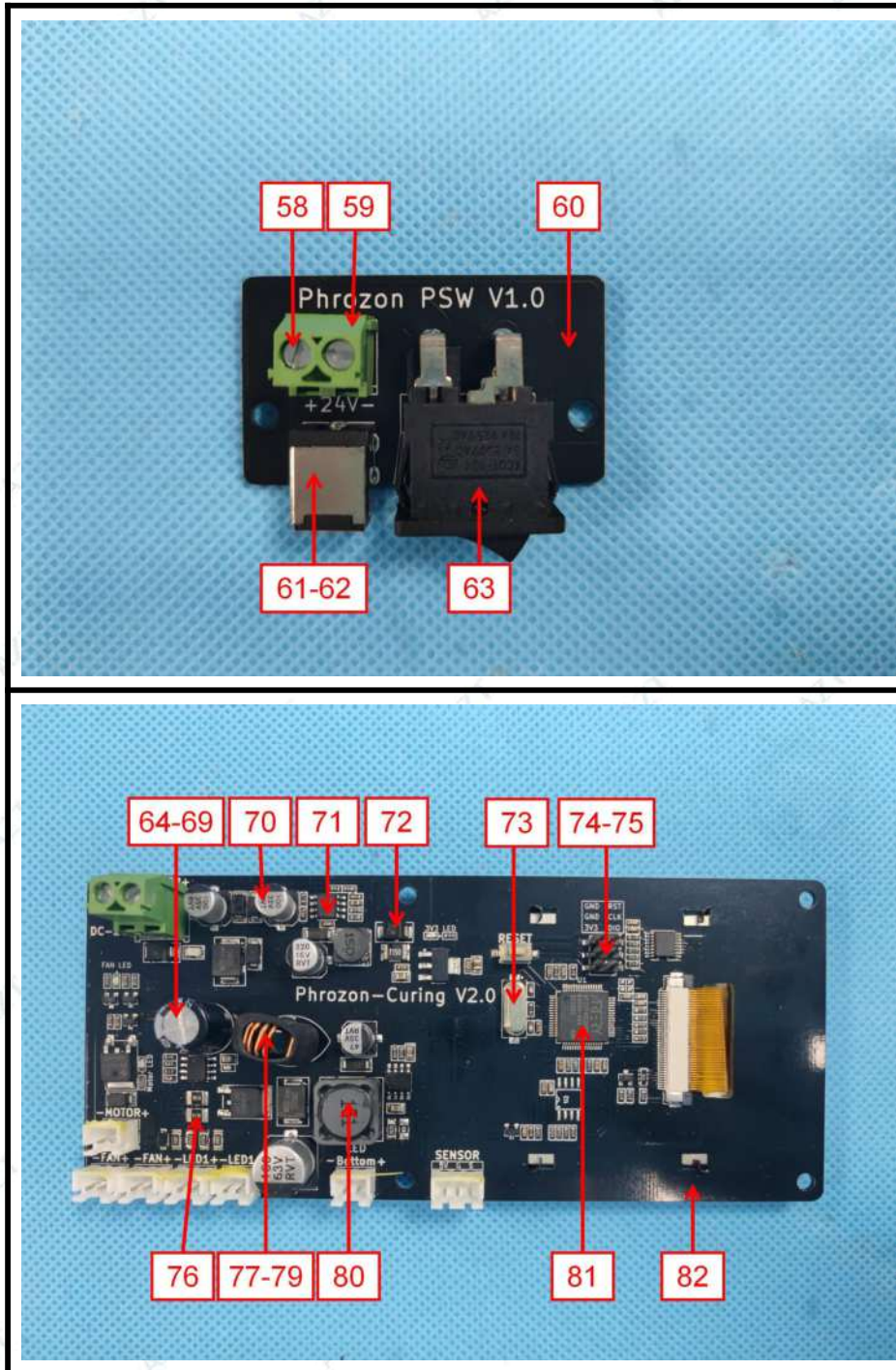
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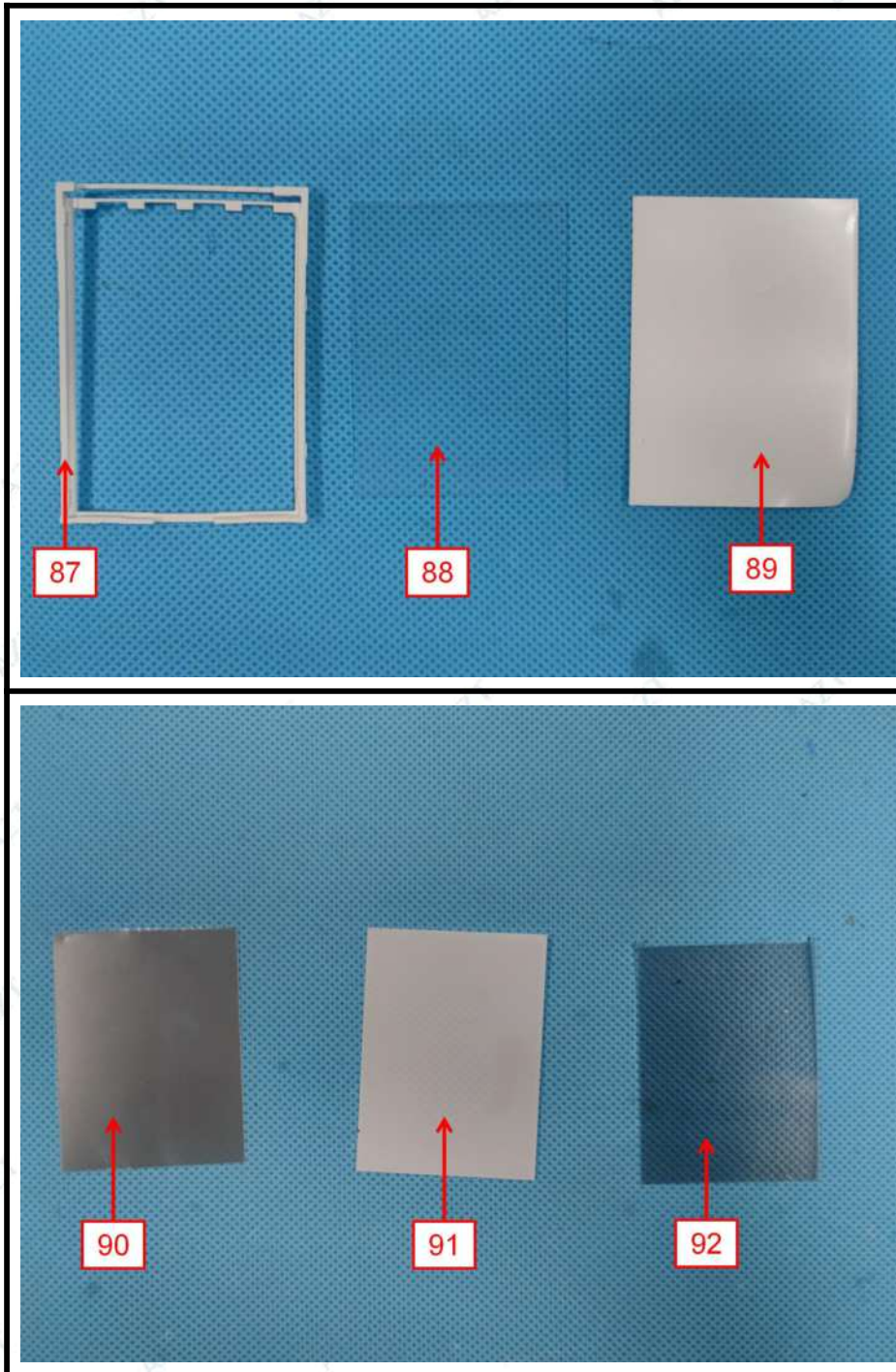
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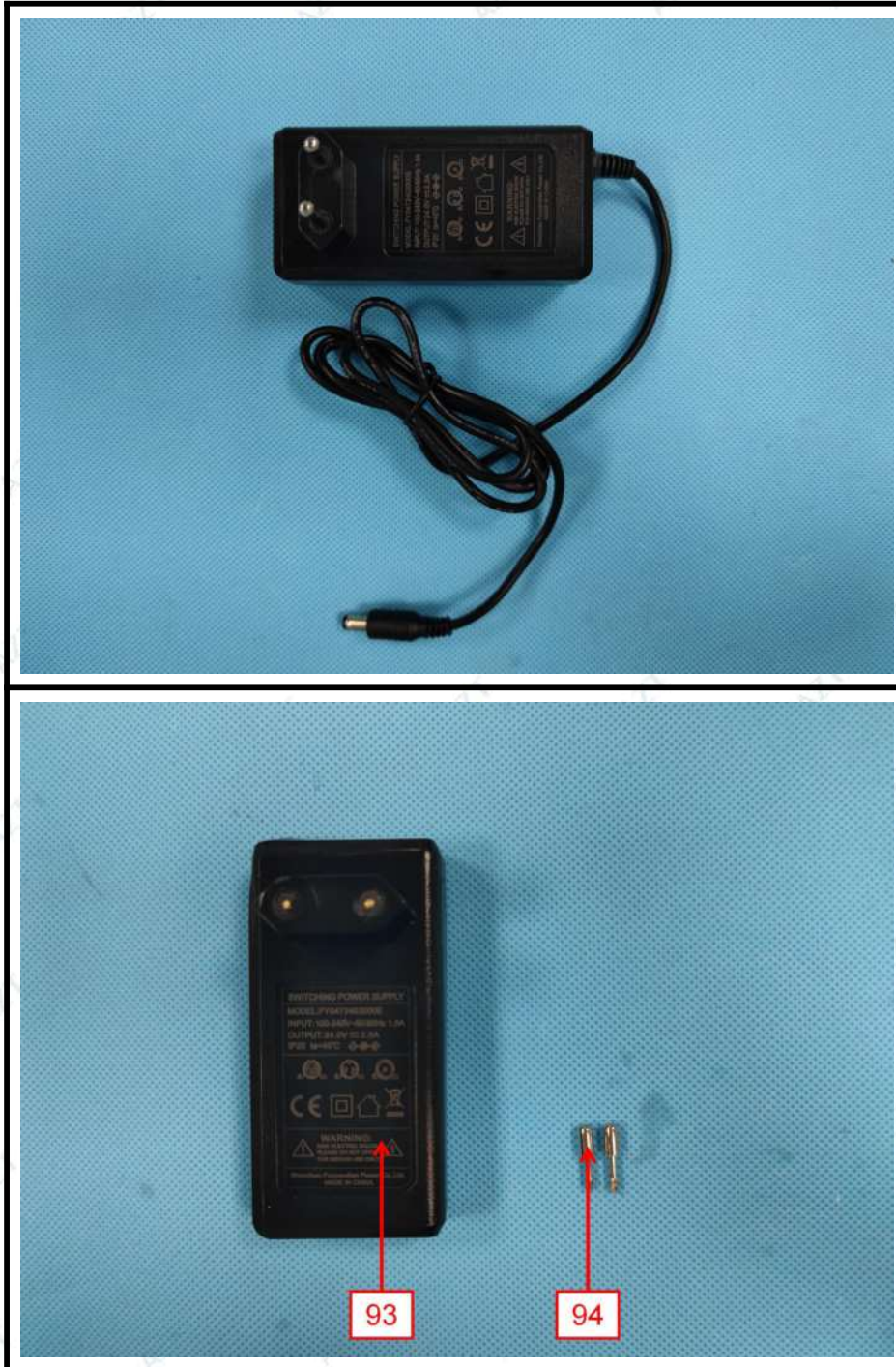
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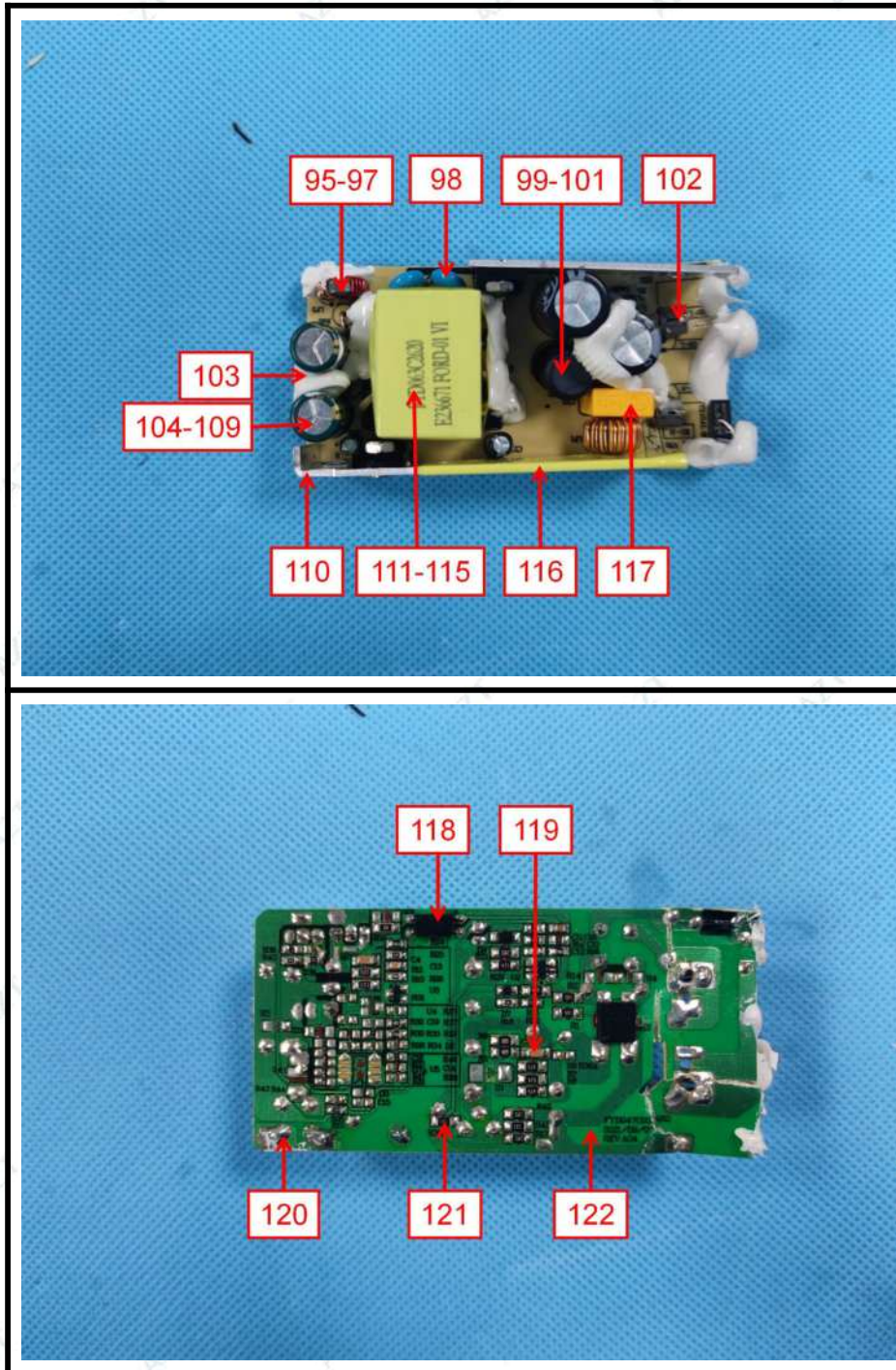
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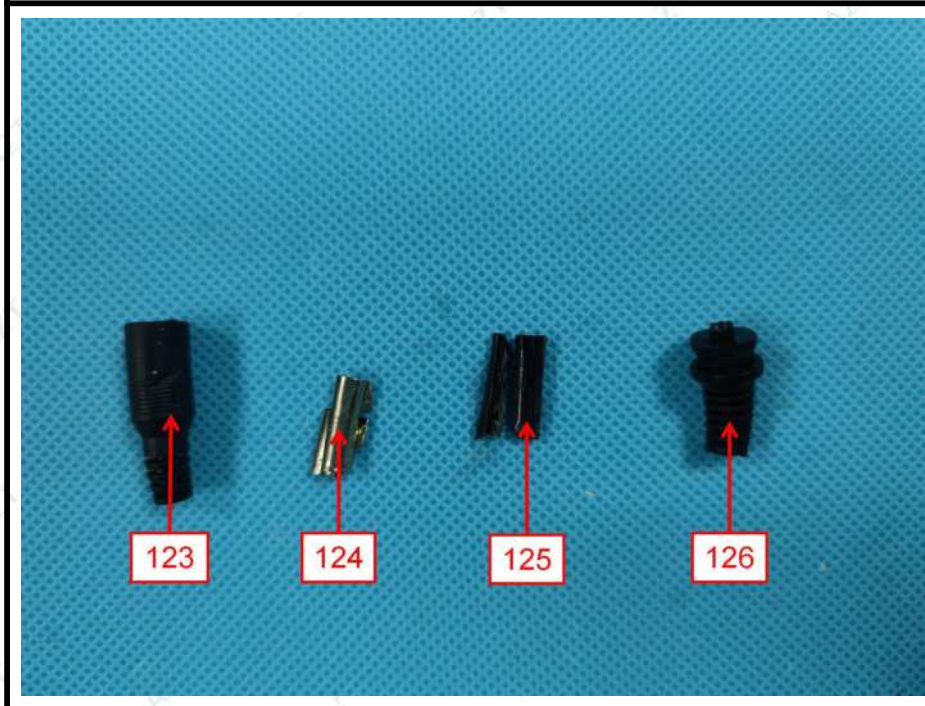
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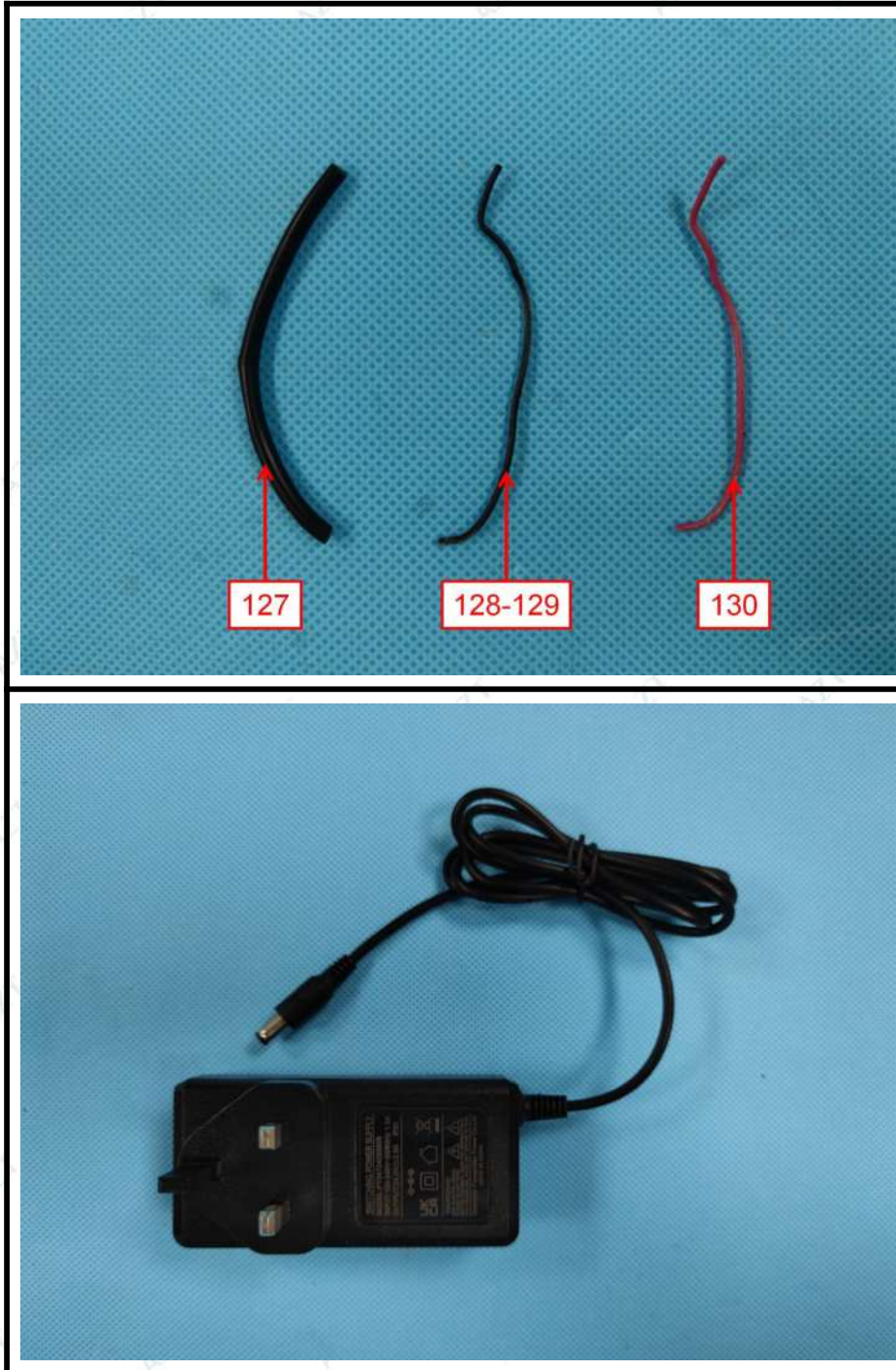
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