



Verification Report

Applicant : Mid Ocean Brands B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

Report on the submitted samples said to be:

Sample Name(s) : Hand warmer power bank

Trade Mark : N/A

Part No. : MO6949

Sample Received Date : April 04 2023

April 18 2023

June 02, 2023

Testing Period

April 04 2023 ~ April 12, 2023

April 18 2023 ~ April 19, 2023

June 02, 2023 ~ June 06, 2023

Date of Report

June 07, 2023

Testing Location

901, No.40 Building, Xialang Industrial Zone, Heshuikou Community,
Matian Street, Guangming District, Shenzhen, Guangdong, China

Results : Please refer to next page(s).

| TEST REQUEST | CONCLUSION |
|--|-------------|
| As specified by client, based on the performed tests on submitted sample, the result of Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDEs, Dibutyl Phthalate(DBP), Butylbenzyl Phthalate(BBP), Di-2-ethylhexyl Phthalate(DEHP) and Diisobutyl phthalate(DIBP) content comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863. | PASS |

Signed for and on behalf of LCS

Lily dan



Shenzhen LCS Compliance Testing Laboratory Ltd.

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**Results:****A. EU RoHS Directive 2011/65/EU and its amendment directives**

Test method: With reference to IEC 62321-1:2013&IEC 62321-2:2021&IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

| Sample No. | Sample Description | Results | | | | | | Date of sample submission/ Resubmission |
|------------|---------------------------|---------|----|----|-----|------|-------|--|
| | | Cd | Pb | Hg | Cr▼ | Br▼ | | |
| | | | | | | PBBs | PBDEs | |
| 1 | Black metal shell | OL | OL | BL | X | / | / | 2023-04-04 |
| 2 | Black plastic inner shell | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 3 | White plastic sheet | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 4 | Black plastic button | BL | BL | BL | BL | X | X | 2023-04-04 |
| 5 | Black foam | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 6 | Black plastic wire cover | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 7 | Silver metal wire | BL | BL | BL | BL | / | / | 2023-04-04 |
| 8 | Red plastic wire cover | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 9 | Silver metal screw | BL | BL | BL | BL | / | / | 2023-04-04 |
| 10 | Yellow tape | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 11 | Silver metal sheet | OL | OL | BL | X | / | / | 2023-04-04 |
| 12 | Tin solder | BL | BL | BL | BL | / | / | 2023-04-04 |
| 13 | Gold wire | BL | BL | BL | BL | / | / | 2023-04-04 |
| 14 | Red metal wire | BL | X | BL | BL | / | / | 2023-04-04 |
| 15 | Tin solder | BL | X | BL | BL | / | / | 2023-04-04 |
| 16 | Black diode | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 17 | Red metal wire | BL | X | BL | BL | / | / | 2023-04-04 |
| 18 | Silver metal sheet | BL | BL | BL | BL | / | / | 2023-06-02 |
| 19 | Black plastic sheet | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 20 | Silver metal needle | X | BL | BL | BL | / | / | 2023-06-02 |
| 21 | Silver metal sheet | OL | BL | BL | BL | / | / | 2023-06-02 |
| 22 | Black plastic sheet | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 23 | Silver metal shrapnel | OL | BL | BL | X | / | / | 2023-06-02 |
| 24 | White plastic sheet | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 25 | Silver metal pins | BL | BL | BL | BL | / | / | 2023-06-02 |
| 26 | Black ceramic | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 27 | Red metal wire | BL | BL | BL | BL | / | / | 2023-06-02 |
| 28 | Silver metal sheet | BL | BL | BL | X | / | / | 2023-06-02 |
| 29 | Black plastic sheet | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 30 | Silver metal needle | BL | BL | BL | BL | / | / | 2023-06-02 |



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| Sample No. | Sample Description | Results | | | | | | Date of sample submission/ Resubmission |
|------------|-------------------------------|---------|----|----|-----|------|-------|--|
| | | Cd | Pb | Hg | Cr▼ | Br▼ | | |
| | | | | | | PBBs | PBDEs | |
| 31 | Black transistor | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 32 | Brown capacitor | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 33 | Chip resistor | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 34 | Black IC | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 35 | Silver metal pins | BL | BL | BL | BL | / | / | 2023-06-02 |
| 36 | Black IC | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 37 | Black IC | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 38 | Black IC | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 39 | PCB board | BL | BL | BL | BL | X | X | 2023-06-02 |
| 40 | Tin solder | BL | BL | BL | BL | / | / | 2023-06-02 |
| 41 | Black plastic rope | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 42 | Black plastic sheet | BL | BL | BL | BL | X | X | 2023-04-04 |
| 43 | Black plastic tape | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 44 | Black soft plastic | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 45 | Silver metal sheet | BL | BL | BL | BL | / | / | 2023-04-04 |
| 46 | Black plastic sheet | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 47 | Silver metal needle | BL | BL | BL | BL | / | / | 2023-04-04 |
| 48 | PCB board | BL | BL | BL | BL | X | X | 2023-04-04 |
| 49 | Silver metal sheet | BL | BL | BL | X | / | / | 2023-04-04 |
| 50 | Black plastic sheet | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 51 | Silver metal needle | BL | BL | BL | BL | / | / | 2023-04-04 |
| 52 | Black plastic wire outer skin | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 53 | Red plastic wire cover | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 54 | Black plastic wire cover | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 55 | Green plastic wire cover | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 56 | White plastic wire cover | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 57 | Yellow plastic wire cover | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 58 | Copper colored metal wire | OL | OL | BL | X | / | / | 2023-04-04 |
| 59 | Black soft plastic | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 60 | Silver metal sheet | BL | BL | BL | X | / | / | 2023-04-04 |
| 61 | Black plastic sheet | BL | BL | BL | BL | BL | BL | 2023-04-04 |
| 62 | Silver metal needle | BL | BL | BL | X | / | / | 2023-04-04 |
| 63 | Silver metal needle | BL | BL | BL | BL | / | / | 2023-04-04 |



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| Sample No. | Sample Description | Results | | | | | | Date of sample submission/ Resubmission |
|------------|----------------------|---------|----|----|-----|------|-------|--|
| | | Cd | Pb | Hg | Cr▼ | Br▼ | | |
| | | | | | | PBBs | PBDEs | |
| 64 | PCB board | BL | BL | BL | BL | X | X | 2023-04-04 |
| 65 | Silver metal sheet | BL | BL | BL | BL | / | / | 2023-04-04 |
| 66 | Black soft plastic | BL | BL | BL | X | BL | BL | 2023-04-04 |
| 67 | Purple plastic sheet | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 68 | green slip | BL | BL | BL | BL | BL | BL | 2023-06-02 |
| 69 | Silver metal sheet | BL | BL | BL | BL | / | / | 2023-06-02 |

Note:

- 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(Unit: mg/kg).

| Element | Polymers | Metals | Composite material |
|---------|--|--|--|
| Cd | $BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$ | $BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$ | $LOD < X < (150+3\sigma) \leq OL$ |
| Pb | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$ |
| Hg | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$ |
| Cr | $BL \leq (700-3\sigma) < X$ | $BL \leq (700-3\sigma) < X$ | $BL \leq (500-3\sigma) < X$ |
| Br | $BL \leq (300-3\sigma) < X$ | N/A | $BL \leq (250-3\sigma) < X$ |

Remark:

- BL= Below Limit
 - OL= Over Limit
 - X= The range of needing to do further testing
 - 3σ = The reproducibility of analytical instruments
 - N/A= Not applicable
 - LOD= Detection limit
- The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
 - The maximum permissible limit is quoted from the document RoHS Directive 2011/65/EU with amendment (EU) 2015/863.
 - ▼=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.





| 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 |
| Dibutyl Phthalate(DBP) | 1000 |
| Butylbenzyl Phthalate(BBP) | 1000 |
| Di-(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.



**B. EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 on Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), 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 optical emission spectrometer (ICP-OES) or atomic absorption spectrometer (AAS).

Mercury(Hg) Content:

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

Hexavalent Chromium(Cr(VI)) Content:

With reference to IEC 62321-7-1:2015 or IEC 62321-7-2:2017, 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).

Phthalates(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).

1) The test results of Lead(Pb) & Cadmium(Cd)

| Tested Items | MDL (mg/kg) | Results (mg/kg) | | | | Limit (mg/kg) |
|------------------|----------------|--------------------|------|------|------|------------------|
| | | (1) | (11) | (14) | (15) | |
| Lead(Pb) Content | 5 | N.D. | N.D. | N.D. | 36 | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | | Limit (mg/kg) |
|------------------|----------------|--------------------|------|------------------|
| | | (17) | (58) | |
| Lead(Pb) Content | 5 | N.D. | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | | | | Limit (mg/kg) |
|---------------------|----------------|--------------------|------|------|------|------------------|
| | | (1) | (11) | (20) | (21) | |
| Cadmium(Cd) Content | 5 | N.D. | N.D. | N.D. | N.D. | 100 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | | Limit (mg/kg) |
|---------------------|----------------|--------------------|------|------------------|
| | | (23) | (58) | |
| Cadmium(Cd) Content | 5 | N.D. | N.D. | 100 |



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**2) The test results of Hexavalent Chromium(Cr(VI))**

| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|-------------------------------------|----------------|--------------------|------------------|
| | | (66) | |
| Hexavalent Chromium(Cr(VI)) Content | 20 | N.D. | 1000 |

3) The test results of Hexavalent Chromium(Cr(VI))(for coating on metal)

| Tested Items | MDL ($\mu\text{g}/\text{cm}^2$) | Results ($\mu\text{g}/\text{cm}^2$) | | | Limit ($\mu\text{g}/\text{cm}^2$) |
|--------------------------------------|--------------------------------------|--|------|------|--|
| | | (1) | (11) | (23) | |
| Hexavalent Chromium(Cr(VI)) Content★ | 0.10 (LOQ) | N.D. | N.D. | N.D. | 1000 |

| Tested Items | MDL ($\mu\text{g}/\text{cm}^2$) | Results ($\mu\text{g}/\text{cm}^2$) | | | Limit ($\mu\text{g}/\text{cm}^2$) |
|--------------------------------------|--------------------------------------|--|------|------|--|
| | | (28) | (49) | (58) | |
| Hexavalent Chromium(Cr(VI)) Content★ | 0.10 (LOQ) | N.D. | N.D. | N.D. | 1000 |

| Tested Items | MDL ($\mu\text{g}/\text{cm}^2$) | Results ($\mu\text{g}/\text{cm}^2$) | | Limit ($\mu\text{g}/\text{cm}^2$) |
|--------------------------------------|--------------------------------------|--|------|--|
| | | (60) | (62) | |
| Hexavalent Chromium(Cr(VI)) Content★ | 0.10 (LOQ) | N.D. | N.D. | 1000 |

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

| Tested Items | MDL (mg/kg) | Results (mg/kg) | | | | Limit (mg/kg) |
|---|----------------|--------------------|------|------|------|------------------|
| | | 44 | 52 | 53 | 54 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | | | | Limit (mg/kg) |
|---|----------------|--------------------|------|------|------|------------------|
| | | 55 | 56 | 57 | 59 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |



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| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|---|----------------|--------------------|------------------|
| | | 66 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|---|----------------|--------------------|------------------|
| | | 2+3+4+5+6+8 | |
| Dibutyl Phthalate(DBP) Content | 50 | 527 | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|---|----------------|--------------------|------------------|
| | | 10+16 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|---|----------------|--------------------|------------------|
| | | 19+22+24+26+29+31 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |



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| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|---|----------------|--------------------|------------------|
| | | 32+33+34+36+37+38 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|---|----------------|--------------------|------------------|
| | | 39+67+68 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | 392 | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|---|----------------|--------------------|------------------|
| | | 41+42+43 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|---|----------------|--------------------|------------------|
| | | 46+48+50+61+64 | |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |



**5) The test results of PBBs & PBDEs**

| Tested Items | MDL (mg/kg) | Results (mg/kg) | | | | Limit (mg/kg) |
|--|----------------|--------------------|------|------|------|------------------|
| | | (4) | (39) | (42) | (48) | |
| Polybrominated Biphenyls(PBBs) Content | | | | | | |
| Monobromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Dibromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Tribromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Tetrabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Pentabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Hexabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Heptabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Octabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Nonabromodiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Decabromodiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Total content | / | N.D. | N.D. | N.D. | N.D. | 1000 |
| Polybrominated Diphenylethers(PBDEs) Content | | | | | | |
| Monobromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Dibromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Tribromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Tetrabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Pentabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Hexabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Heptabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Octabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Nonabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Decabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | / |
| Total content | / | N.D. | N.D. | N.D. | N.D. | 1000 |



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| Tested Items | MDL (mg/kg) | Results (mg/kg) | Limit (mg/kg) |
|--|----------------|--------------------|------------------|
| | | (64) | |
| Polybrominated Biphenyls(PBBs) Content | | | |
| Monobromobiphenyl | 5 | N.D. | / |
| Dibromobiphenyl | 5 | N.D. | / |
| Tribromobiphenyl | 5 | N.D. | / |
| Tetrabromobiphenyl | 5 | N.D. | / |
| Pentabromobiphenyl | 5 | N.D. | / |
| Hexabromobiphenyl | 5 | N.D. | / |
| Heptabromobiphenyl | 5 | N.D. | / |
| Octabromobiphenyl | 5 | N.D. | / |
| Nonabromodiphenyl | 5 | N.D. | / |
| Decabromodiphenyl | 5 | N.D. | / |
| Total content | / | N.D. | 1000 |
| Polybrominated Diphenylethers(PBDEs) Content | | | |
| Monobromodiphenyl ether | 5 | N.D. | / |
| Dibromodiphenyl ether | 5 | N.D. | / |
| Tribromodiphenyl ether | 5 | N.D. | / |
| Tetrabromodiphenyl ether | 5 | N.D. | / |
| Pentabromodiphenyl ether | 5 | N.D. | / |
| Hexabromodiphenyl ether | 5 | N.D. | / |
| Heptabromodiphenyl ether | 5 | N.D. | / |
| Octabromodiphenyl ether | 5 | N.D. | / |
| Nonabromodiphenyl ether | 5 | N.D. | / |
| Decabromodiphenyl ether | 5 | N.D. | / |
| Total content | / | N.D. | 1000 |



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Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL or LOQ)
- mg/kg = milligrams per kilogram
- LOQ = Limit Of Quantification, The LOQ of Hexavalent chromium is $0.10 \mu\text{g}/\text{cm}^2$
- ★ = a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than $0.13 \mu\text{g}/\text{cm}^2$. 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 $0.10 \mu\text{g}/\text{cm}^2$). The sample coating is considered a non- Cr(VI) based coating.
c. The result between $0.10 \mu\text{g}/\text{cm}^2$ and $0.13 \mu\text{g}/\text{cm}^2$ is considered to be inconclusive, unavoidable coating variations may influence the determination.
- Information on storage conditions and production date of the tested samples is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.
- According to customer's requirement, only the appointed materials have been tested.
- In the report, points 18 to 40 are replacement materials



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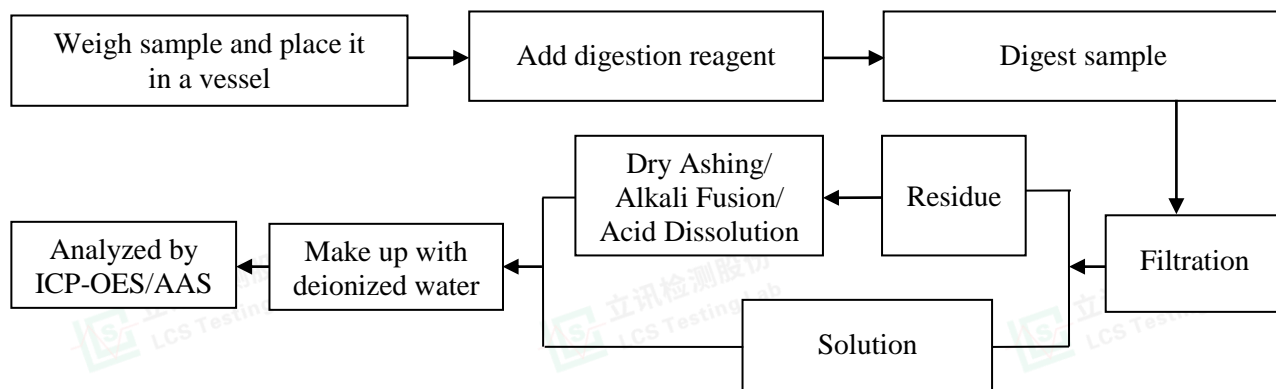
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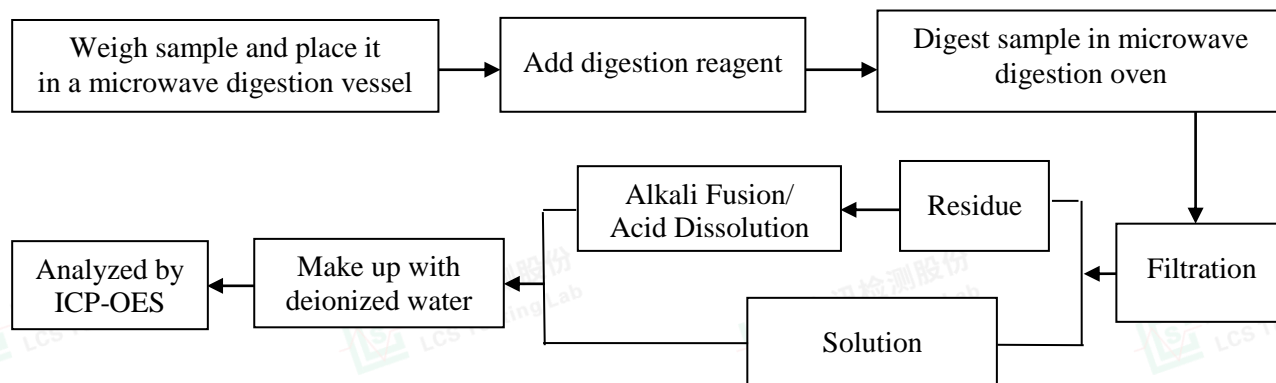


Test Process

1. Lead(Pb) & Cadmium(Cd): IEC 62321-5:2013

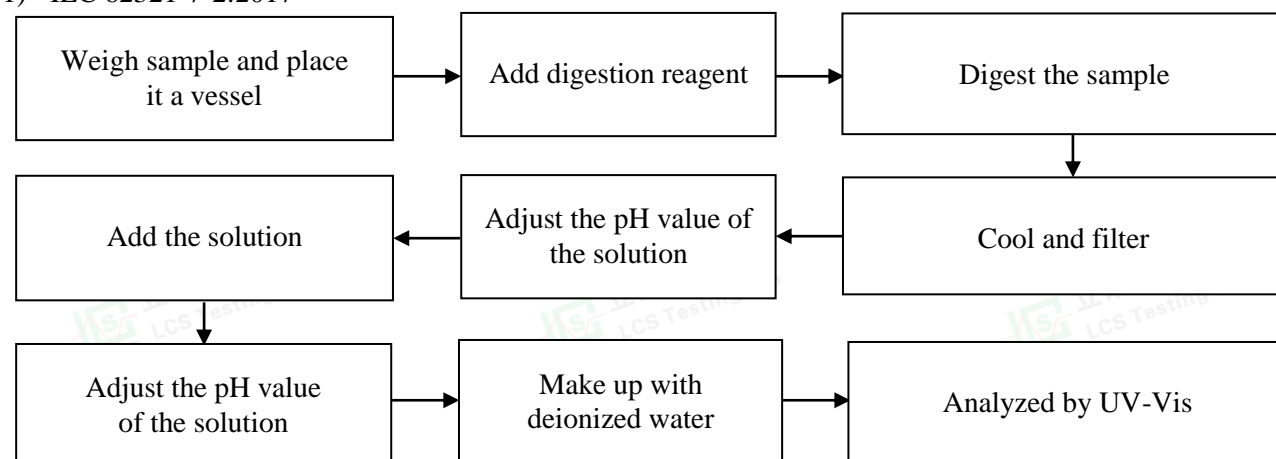


2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV



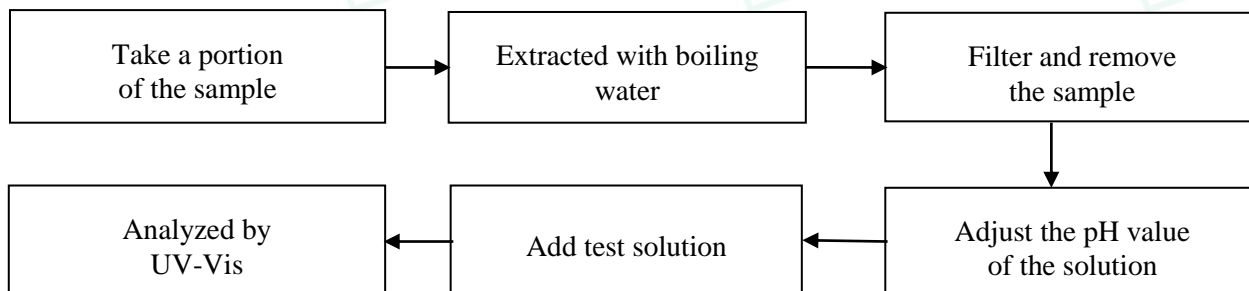
3. Hexavalent Chromium(Cr(VI))

1) IEC 62321-7-2:2017

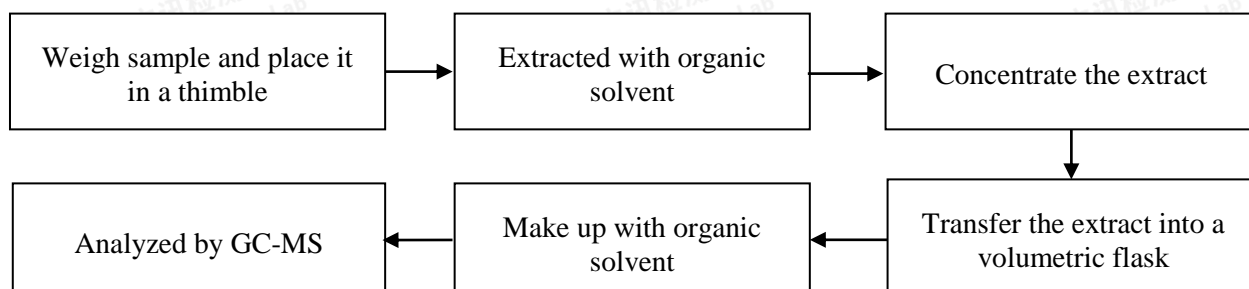




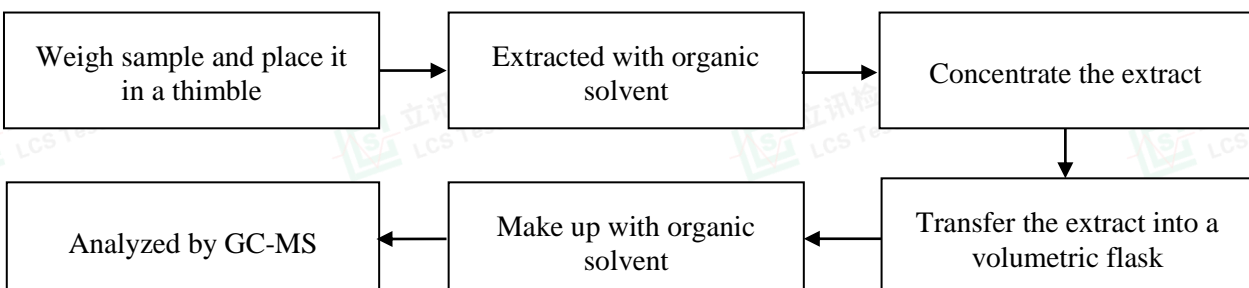
2) IEC 62321-7-1:2015



4. Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs) : IEC 62321-6:2015



5. Phthalates(DBP, BBP, DEHP & DIBP) : IEC 62321-8:2017





The photo(s) of the sample

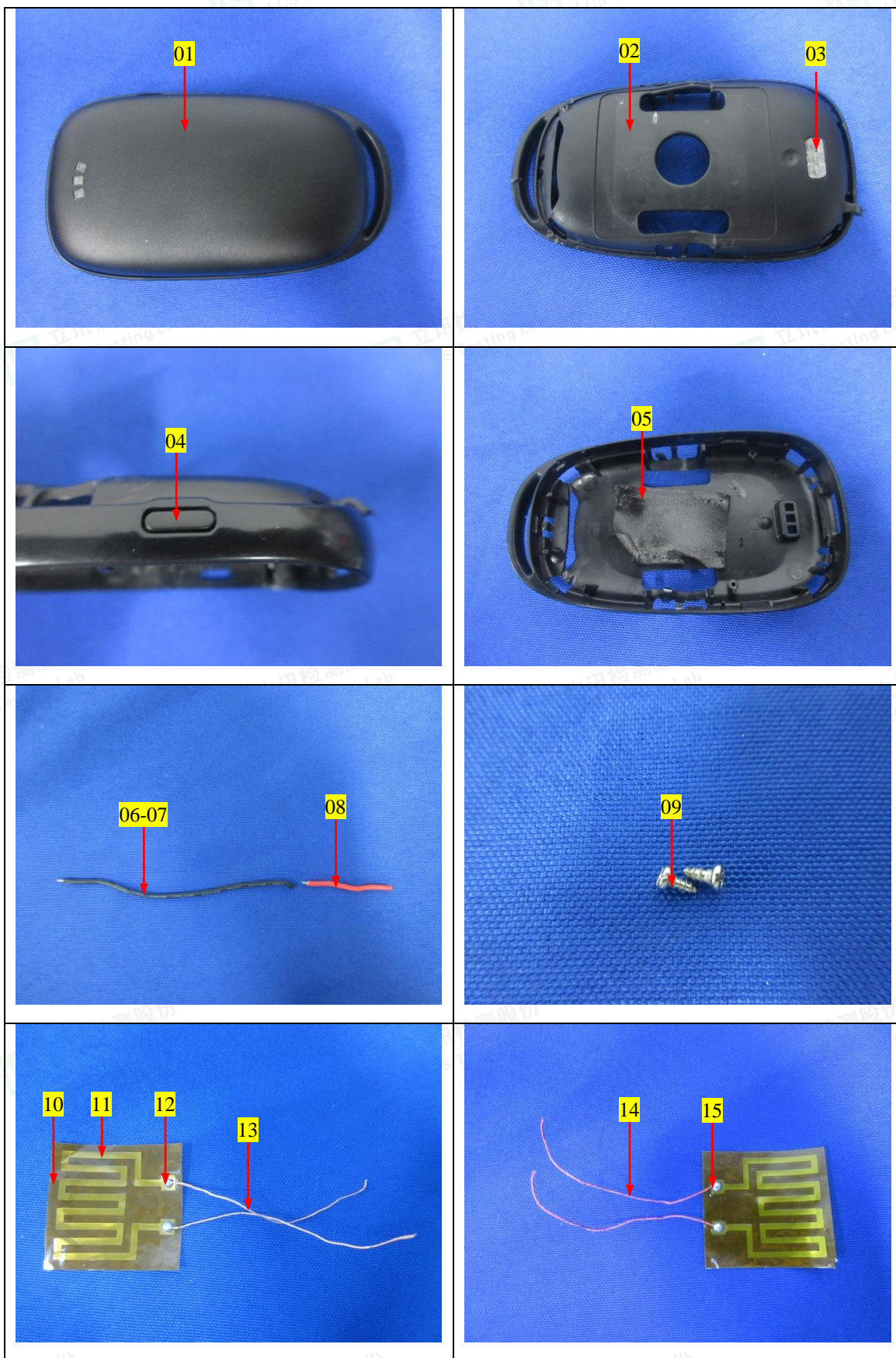


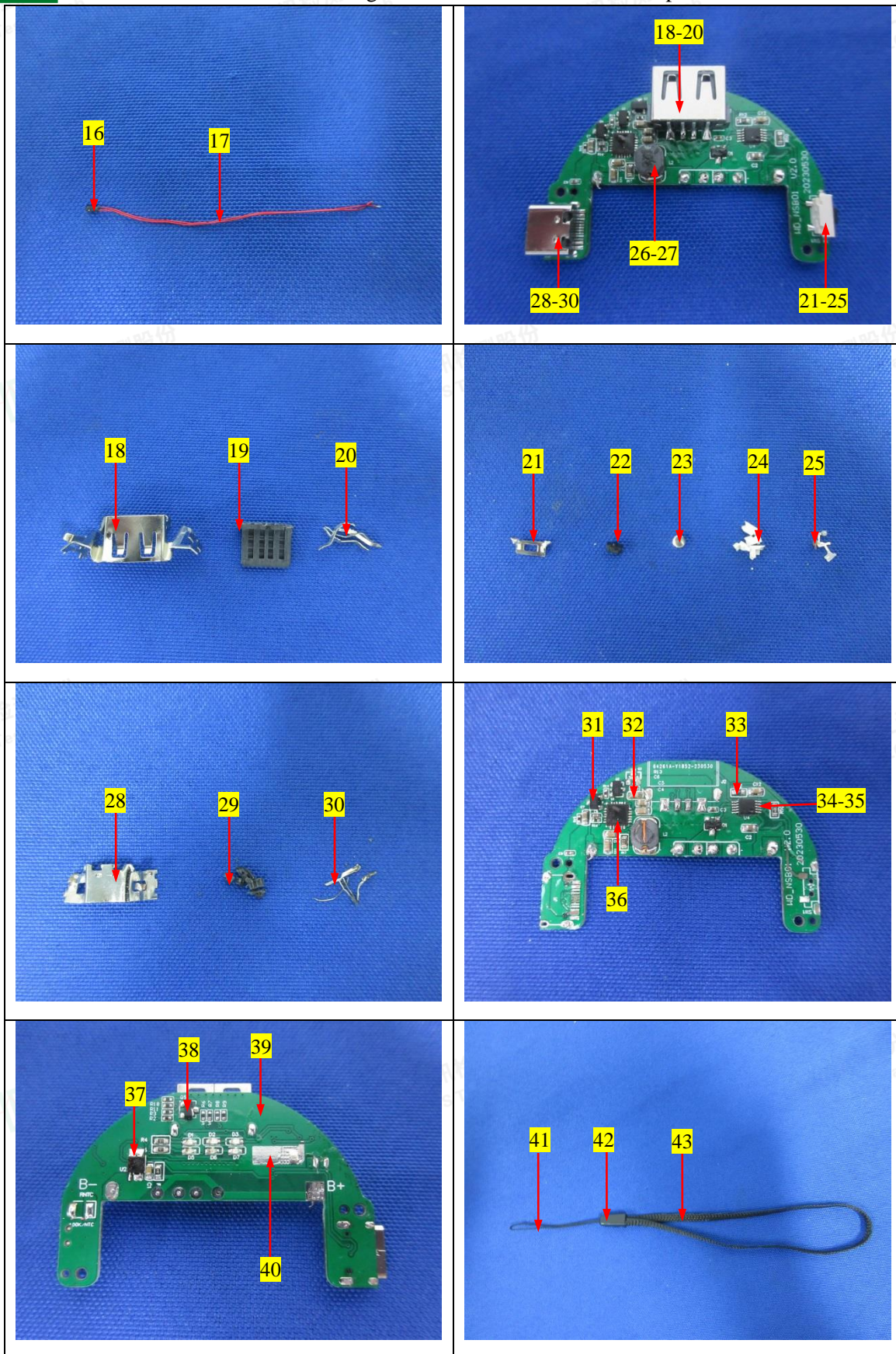
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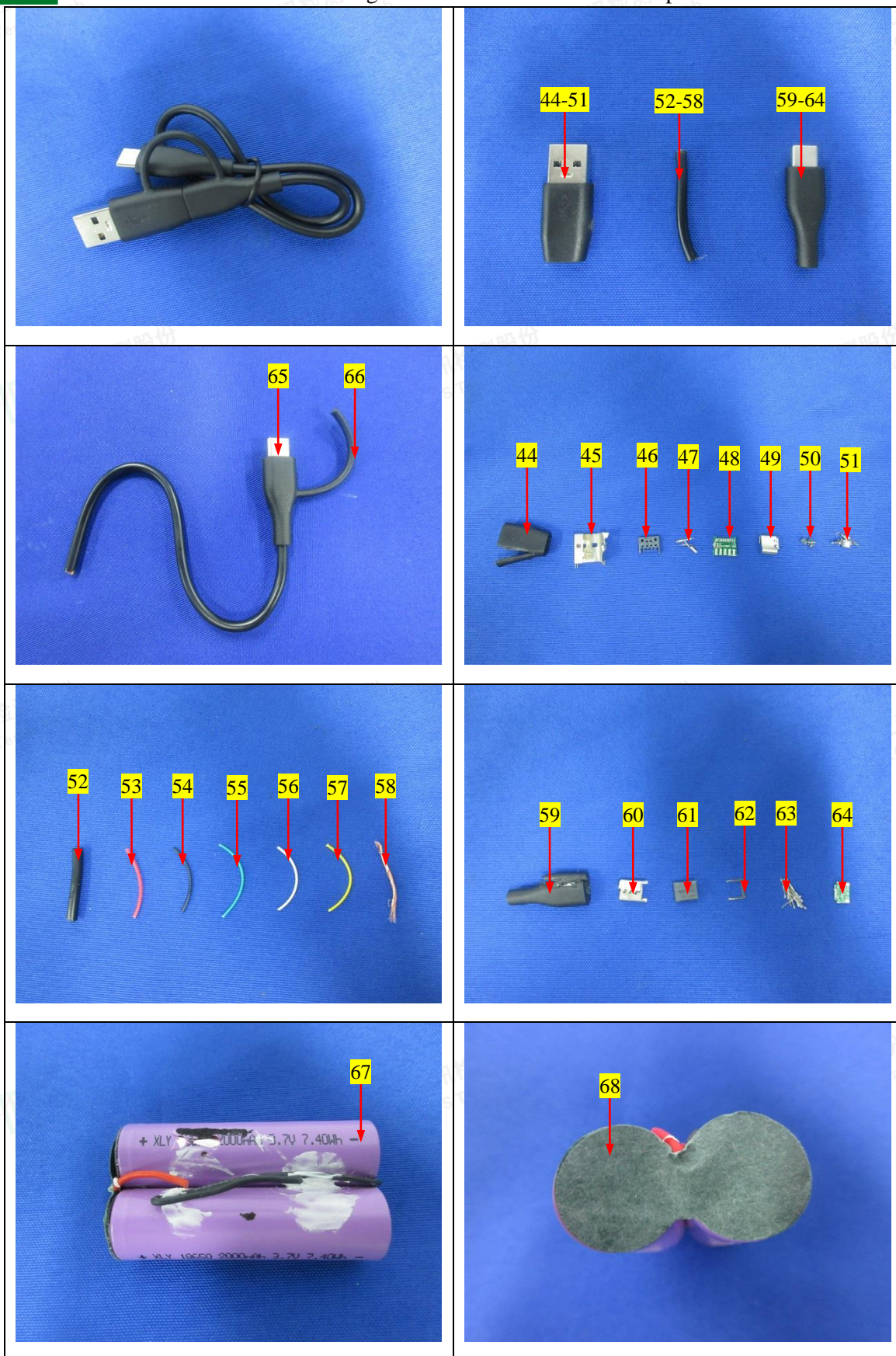


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| Revision | Issue Date | Revision Content | Revised By |
|----------|------------|--|--------------|
| 001 | 2023.06.07 | According to customer's requirement materials 18-40 were replaced and materials 67-69 were added. The specific modifications are detailed in the report, and other information remains unchanged. The LCSA040323265R001 report replaces the original LCSA040323265R report, and the original report is invalid. | Cuifang Yang |

*** End of Report ***

