

Rep. No.SET2022-03624

# VERIFICATION REPORT

|                 |                           |
|-----------------|---------------------------|
| Client Name     | EcoFlow Inc.              |
| Name of product | 100W flexible solar panel |
| Manufacturer    | EcoFlow Inc.              |
| Model           | EF-Flex-M100              |
| Test sort       | Commission Test           |



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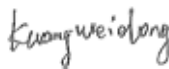


|                      |                     |   |
|----------------------|---------------------|---|
| Customer information | Client              | EcoFlow Inc.  |
|                      | Address             | Plant A202, Founder Technology Industrial Park, Shiyan Sub-district, Bao'an District Shenzhen, Guangdong 518000 China |
| Sample information   | Name of sample      | 100W flexible solar panel   |
|                      | Model               | EF-Flex-M100  |
|                      | Trade Name          |                                      |
|                      | Manufacturer        | EcoFlow Inc.  |
|                      | Address             | Plant A202, Founder Technology Industrial Park, Shiyan Sub-district, Bao'an District Shenzhen, Guangdong 518000 China |
|                      | Factory             | EcoFlow Inc.  |
|                      | Address             | Plant A202, Founder Technology Industrial Park, Shiyan Sub-district, Bao'an District Shenzhen, Guangdong 518000 China |
| Test information     | Sample Received     | Apr. 11, 2022   |
|                      | Testing Period      | Apr. 11, 2022~ Apr. 20, 2022  |
|                      | Test sort           | Commission Test   |
|                      | Item Requested      | See next page   |
|                      | Standard/Foundation | See next page   |
|                      | Conclusion          | The tested sample complied with RoHS directive (2011/65/EU) and amending directive (EU)2015/863.                      |
| Remark               | -----               |   |

Tested By:



Checked By:



Approved By:



Date:

Apr. 26, 2022

Date:

Apr. 26, 2022

Date:

Apr. 26, 2022



|                     |  |
|---------------------|--|
| Item Requested      | <p>(1) As specified by client, to screen test Cd, Pb, Hg, Cr(VI), PBBs, PBDEs and phthalates(DIBP, DEHP, BBP, DBP) content in the submitted sample.</p> <p>(2) As specified by client, further chemical testing for Cd, Pb, Hg, Cr(VI), PBBs, PBDEs and phthalates(DIBP, DEHP, BBP, DBP) are recommended to be performed if the screen results exceeds the limit of IEC 62321-1:2013 or the phthalates screen limit.</p>   |
| Standard/Foundation | <p>(1)With reference to IEC 62321-3-1:2013, Screening – Lead, mercury, cadmium, total chromium and total bromine by XRF Spectroscopy</p> <p>With reference to IEC 62321-8:2017, Screening – phthalates by GC-MS</p> <p>(2) Chemical test method:</p> <p>With reference to IEC 62321-5:2013, determination of Lead, Cadmium, by ICP</p> <p>With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP</p> <p>With reference to IEC 62321-7-2:2017 &amp; IEC 62321-7-1:2015, determination of Hexavalent Chromium by Colorimetric method</p> <p>With reference to IEC 62321-6:2015, determination of PBBs, PBDEs by GC-MS.</p> <p>With reference to IEC 62321-8:2017, determination of phthalates by GC-MS.</p> |



## Test Results:

| No. | COMPONENTS              | Item   | Results of EDXRF (P/F/D) | Screen results of PHTH | Results of chemical testing (mg/kg) | Conclusion (P/F) | Sample submitted/ Resubmitted date |
|-----|-------------------------|--------|--------------------------|------------------------|-------------------------------------|------------------|------------------------------------|
| 1   | Black plastic shell     | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                         | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                         | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                         | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                         | PBBs   | D                        | /                      | N.D.                                | P                |                                    |
|     |                         | PBDEs  | D                        | /                      | N.D.                                | P                |                                    |
|     |                         | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                         | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                         | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                         | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 2   | Black label paper       | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                         | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                         | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                         | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                         | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                         | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                         | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                         | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                         | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                         | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 3   | Copper metal screw ring | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                         | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                         | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                         | Pb     | D                        | /                      | $*1.51 \times 10^4$                 | P                |                                    |
|     |                         | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                         | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                         | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                         | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                         | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                         | DIBP   | /                        | /                      | /                                   | /                |                                    |
| 4   | Silvery metal screw     | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                         | Cr(VI) | D                        | /                      | $<0.10^{**}$                        | P                |                                    |
|     |                         | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                         | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                         | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                         | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                         | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                         | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                         | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                         | DIBP   | /                        | /                      | /                                   | /                |                                    |



| No. | COMPONENTS         | Item   | Results of EDXRF (P/F/D) | Screen results of PHTH | Results of chemical testing (mg/kg) | Conclusion (P/F) | Sample submitted/ Resubmitted date |
|-----|--------------------|--------|--------------------------|------------------------|-------------------------------------|------------------|------------------------------------|
| 5   | Silvery metal ring | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                    | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                    | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                    | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                    | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                    | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                    | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                    | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                    | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                    | DIBP   | /                        | /                      | /                                   | /                |                                    |
| 6   | Transparent glue   | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                    | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                    | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                    | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                    | PBBs   | D                        | /                      | N.D.                                | P                |                                    |
|     |                    | PBDEs  | D                        | /                      | N.D.                                | P                |                                    |
|     |                    | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                    | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                    | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                    | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 7   | Silvery glass      | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                    | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                    | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                    | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                    | PBBs   | D                        | /                      | N.D.                                | P                |                                    |
|     |                    | PBDEs  | D                        | /                      | N.D.                                | P                |                                    |
|     |                    | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                    | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                    | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                    | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 8   | Black coating      | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                    | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                    | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                    | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                    | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                    | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                    | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                    | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                    | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                    | DIBP   | /                        | P                      | /                                   | P                |                                    |



| No. | COMPONENTS          | Item   | Results of EDXRF (P/F/D) | Screen results of PHTH | Results of chemical testing (mg/kg) | Conclusion (P/F) | Sample submitted/ Resubmitted date |
|-----|---------------------|--------|--------------------------|------------------------|-------------------------------------|------------------|------------------------------------|
| 9   | Black plastic board | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                     | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                     | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                     | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                     | PBBs   | D                        | /                      | N.D.                                | P                |                                    |
|     |                     | PBDEs  | D                        | /                      | N.D.                                | P                |                                    |
|     |                     | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                     | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                     | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                     | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 10  | Black glue          | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                     | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                     | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                     | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                     | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                     | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                     | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                     | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                     | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                     | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 11  | Black plastic shell | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                     | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                     | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                     | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                     | PBBs   | D                        | /                      | N.D.                                | P                |                                    |
|     |                     | PBDEs  | D                        | /                      | N.D.                                | P                |                                    |
|     |                     | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                     | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                     | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                     | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 12  | Red silicone ring   | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                     | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                     | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                     | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                     | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                     | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                     | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                     | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                     | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                     | DIBP   | /                        | P                      | /                                   | P                |                                    |



| No. | COMPONENTS                     | Item   | Results of EDXRF (P/F/D) | Screen results of PHTH | Results of chemical testing (mg/kg) | Conclusion (P/F) | Sample submitted/ Resubmitted date |
|-----|--------------------------------|--------|--------------------------|------------------------|-------------------------------------|------------------|------------------------------------|
| 13  | Black plastic plug             | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                                | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                                | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                                | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                                | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                                | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 14  | Silvery metal contact pin      | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                                | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                                | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                                | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                                | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                                | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                                | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                                | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                                | DIBP   | /                        | /                      | /                                   | /                |                                    |
| 15  | Black plastic screw ring shell | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                                | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                                | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                                | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                                | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                                | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 16  | Black plastic screw ring       | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                                | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                                | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                                | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                                | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                                | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | DIBP   | /                        | P                      | /                                   | P                |                                    |



| No. | COMPONENTS           | Item   | Results of EDXRF (P/F/D) | Screen results of PHTH | Results of chemical testing (mg/kg) | Conclusion (P/F) | Sample submitted/ Resubmitted date |
|-----|----------------------|--------|--------------------------|------------------------|-------------------------------------|------------------|------------------------------------|
| 17  | Black plastic bundle | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                      | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                      | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                      | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                      | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                      | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                      | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                      | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                      | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                      | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 18  | Black resistor body  | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                      | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                      | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                      | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                      | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                      | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                      | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                      | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                      | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                      | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 19  | Silvery metal pin    | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                      | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                      | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                      | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                      | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                      | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                      | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                      | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                      | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                      | DIBP   | /                        | /                      | /                                   | /                |                                    |
| 20  | Black plastic shell  | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                      | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                      | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                      | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                      | PBBs   | D                        | /                      | N.D.                                | P                |                                    |
|     |                      | PBDEs  | D                        | /                      | N.D.                                | P                |                                    |
|     |                      | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                      | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                      | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                      | DIBP   | /                        | P                      | /                                   | P                |                                    |





| No. | COMPONENTS                     | Item   | Results of EDXRF (P/F/D) | Screen results of PHTH | Results of chemical testing (mg/kg) | Conclusion (P/F) | Sample submitted/ Resubmitted date |
|-----|--------------------------------|--------|--------------------------|------------------------|-------------------------------------|------------------|------------------------------------|
| 21  | Silvery metal sheet            | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                                | Cr(VI) | D                        | /                      | <0.10**                             | P                |                                    |
|     |                                | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                                | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                                | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                                | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                                | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                                | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                                | DIBP   | /                        | /                      | /                                   | /                |                                    |
| 22  | Soldering tin                  | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                                | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                                | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                                | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                                | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                                | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                                | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                                | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                                | DIBP   | /                        | /                      | /                                   | /                |                                    |
| 23  | White label paper              | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                                | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                                | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                                | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                                | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                                | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 24  | Black plastic screw ring shell | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                                | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                                | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                                | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                                | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                                | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                                | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                                | DIBP   | /                        | P                      | /                                   | P                |                                    |



| No. | COMPONENTS                | Item   | Results of EDXRF (P/F/D) | Screen results of PHTH | Results of chemical testing (mg/kg) | Conclusion (P/F) | Sample submitted/ Resubmitted date |
|-----|---------------------------|--------|--------------------------|------------------------|-------------------------------------|------------------|------------------------------------|
| 25  | Black plastic plug        | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                           | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                           | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                           | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                           | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                           | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                           | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                           | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                           | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                           | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 26  | Silvery metal shell       | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                           | Cr(VI) | D                        | /                      | <0.10**                             | P                |                                    |
|     |                           | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                           | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                           | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                           | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                           | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                           | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                           | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                           | DIBP   | /                        | /                      | /                                   | /                |                                    |
| 27  | Silvery metal contact pin | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                           | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                           | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                           | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                           | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                           | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                           | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                           | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                           | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                           | DIBP   | /                        | /                      | /                                   | /                |                                    |
| 28  | Red silicone ring         | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                           | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                           | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                           | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                           | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                           | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                           | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                           | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                           | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                           | DIBP   | /                        | P                      | /                                   | P                |                                    |



| No. | COMPONENTS               | Item   | Results of EDXRF (P/F/D) | Screen results of PHTH | Results of chemical testing (mg/kg) | Conclusion (P/F) | Sample submitted/ Resubmitted date |
|-----|--------------------------|--------|--------------------------|------------------------|-------------------------------------|------------------|------------------------------------|
| 29  | Red plastic outer jacket | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                          | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                          | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                          | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                          | PBBs   | P                        | /                      | /                                   | P                |                                    |
|     |                          | PBDEs  | P                        | /                      | /                                   | P                |                                    |
|     |                          | DEHP   | /                        | P                      | /                                   | P                |                                    |
|     |                          | DBP    | /                        | P                      | /                                   | P                |                                    |
|     |                          | BBP    | /                        | P                      | /                                   | P                |                                    |
|     |                          | DIBP   | /                        | P                      | /                                   | P                |                                    |
| 30  | Silvery metal wire core  | Cd     | P                        | /                      | /                                   | P                | Apr. 11, 2022                      |
|     |                          | Cr(VI) | P                        | /                      | /                                   | P                |                                    |
|     |                          | Hg     | P                        | /                      | /                                   | P                |                                    |
|     |                          | Pb     | P                        | /                      | /                                   | P                |                                    |
|     |                          | PBBs   | /                        | /                      | /                                   | /                |                                    |
|     |                          | PBDEs  | /                        | /                      | /                                   | /                |                                    |
|     |                          | DEHP   | /                        | /                      | /                                   | /                |                                    |
|     |                          | DBP    | /                        | /                      | /                                   | /                |                                    |
|     |                          | BBP    | /                        | /                      | /                                   | /                |                                    |
|     |                          | DIBP   | /                        | /                      | /                                   | /                |                                    |



Remark:

- (1) It is the result on total Br while test PBBs and PBDEs by EDXRF. It is the result on total Cr while test Hexavalent Chromium by EDXRF.
- (2) Results are obtained by EDXRF for primary screening, and chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (Cr(VI)) and GCMS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value (unit:mg/kg)

| Element | Polymer  | Metal  | Composite Materials                            |
|---------|--|--|--|
| Cd      | $P \leq 70-3\sigma < D < 130+3\sigma \leq F$   | $P \leq 70-3\sigma < D < 130+3\sigma \leq F$   | $P \leq 50-3\sigma < D < 150+3\sigma \leq F$   |
| Pb      | $P \leq 700-3\sigma < D < 1300+3\sigma \leq F$ | $P \leq 700-3\sigma < D < 1300+3\sigma \leq F$ | $P \leq 500-3\sigma < D < 1500+3\sigma \leq F$ |
| Hg      | $P \leq 700-3\sigma < D < 1300+3\sigma \leq F$ | $P \leq 700-3\sigma < D < 1300+3\sigma \leq F$ | $P \leq 500-3\sigma < D < 1500+3\sigma \leq F$ |
| Br      | $P \leq 300-3\sigma < D$                       | ----   | $P \leq 250-3\sigma < D$                       |
| Cr      | $P \leq 700-3\sigma < D$                       | $P \leq 700-3\sigma < D$                       | $P \leq 500-3\sigma < D$                       |

P = PASS; F = FAIL; D = DETECTED;

- (3) Screening results of PHTH are for primary screening, and further chemical testing by GC-MS (for DBP, BBP, DEHP and DIBP) are recommended to be performed if the concentration exceeds the below warning value.

| TEST ITEM                       | Screening Limit (Unit: mg/kg) |
|---------------------------------|-------------------------------|
| Di-2-ethylhexyl phthalate(DEHP) | $P \leq 600 < D$              |
| Dibutyl phthalate(DBP)          | $P \leq 600 < D$              |
| Benzylbutyl phthalate(BBP)      | $P \leq 600 < D$              |
| Diisobutyl phthalate(DIBP)      | $P \leq 600 < D$              |

(4) Chemical test

| TEST ITEM                       | Unit                      | MDL                                | Limit |
|---------------------------------|---------------------------|------------------------------------|-------|
| Cd                              | mg/kg                     | 2                                  | 100   |
| Cr(VI)                          | mg/kg                     | Polymer and Composite Materials: 8 | 1000  |
|                                 | $\mu\text{g}/\text{cm}^2$ | Metal: 0.10**                      | ----  |
| Hg                              | mg/kg                     | 2                                  | 1000  |
| Pb                              | mg/kg                     | 2                                  | 1000  |
| PBBs                            | mg/kg                     | 5                                  | 1000  |
| PBDEs                           | mg/kg                     | 5                                  | 1000  |
| Di-2-ethylhexyl phthalate(DEHP) | mg/kg                     | 30                                 | 1000  |
| Dibutyl phthalate(DBP)          | mg/kg                     | 30                                 | 1000  |
| Benzylbutyl phthalate(BBP)      | mg/kg                     | 30                                 | 1000  |
| Diisobutyl phthalate(DIBP)      | mg/kg                     | 30                                 | 1000  |

- (5) mg/kg = ppm; N.D. = NOT DETECTED ( $< \text{MDL}$ ); MDL = Method Detection Limit

\*\*= a. The sample is positive for CrVI if the CrVI concentration is greater than  $0.13 \mu\text{g}/\text{cm}^2$ . The sample coating is considered to contain CrVI

b. The sample is negative for CrVI if CrVI is ND (concentration less than  $0.10 \mu\text{g}/\text{cm}^2$ ). The coating is considered a non-CrVI 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

- (6) \* According to Article 6(c) of Annex III of European Council Directive 2011/65/EU, Lead in copper alloy allows containing of up to 4% lead by weight.

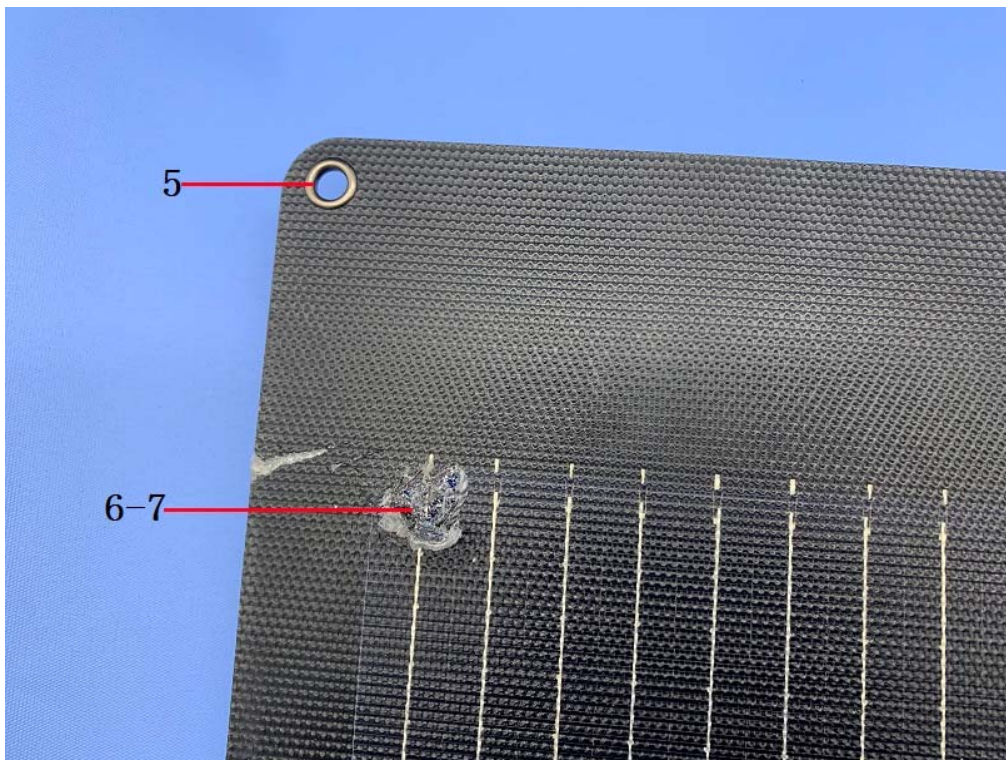
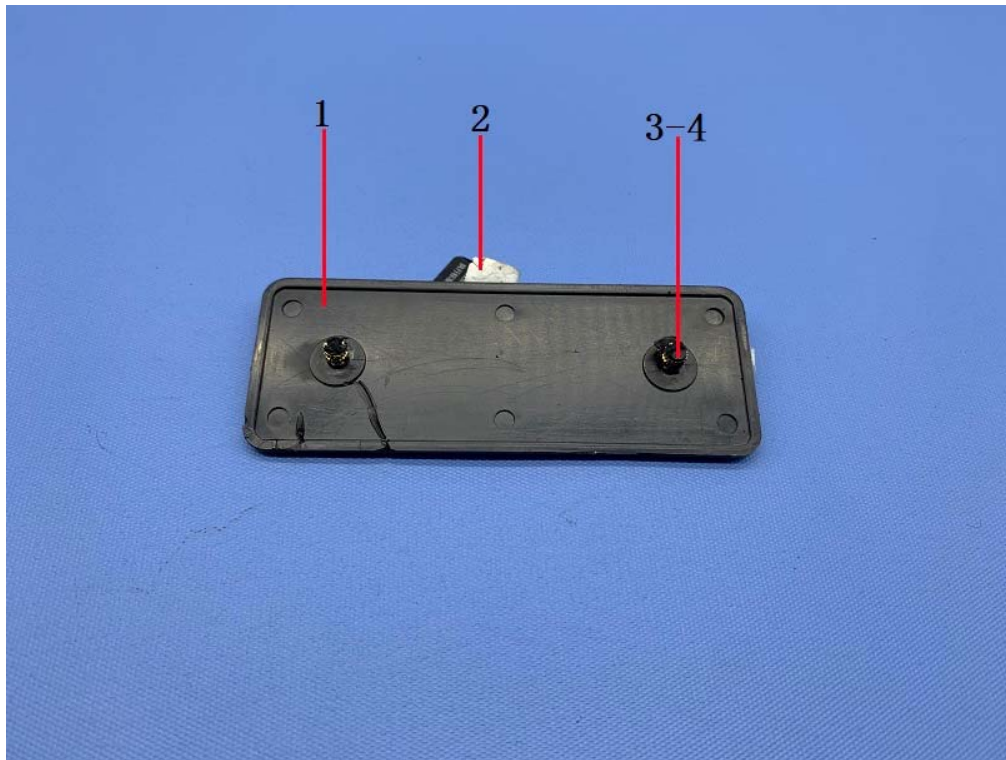
**Sample photo**

## Sample photo

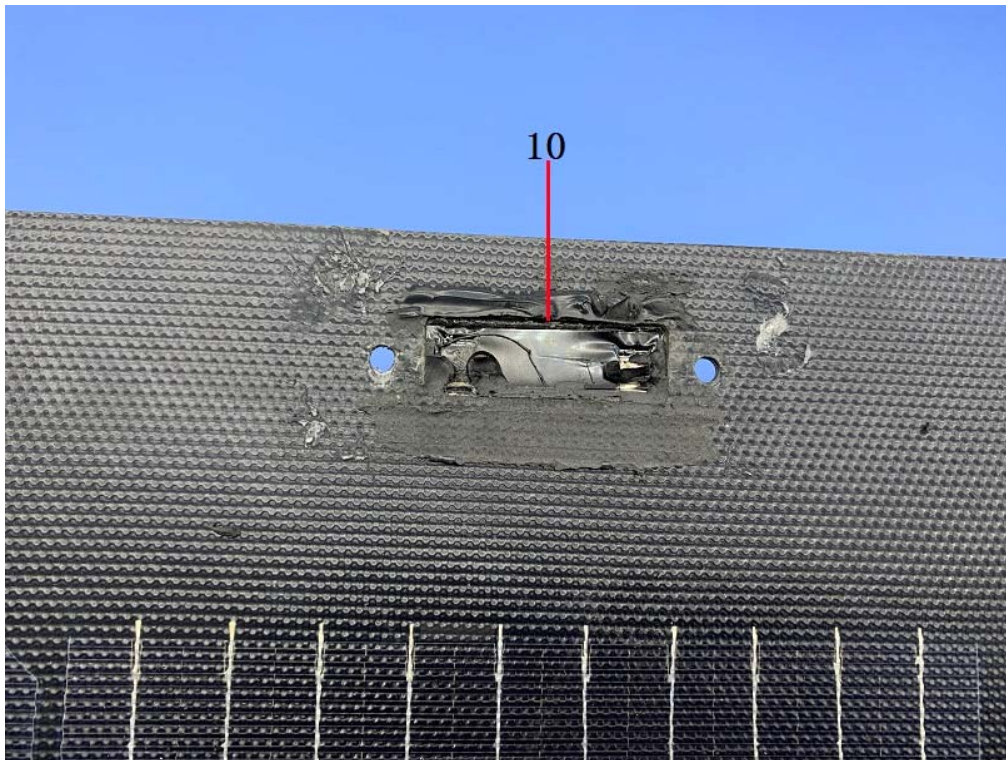
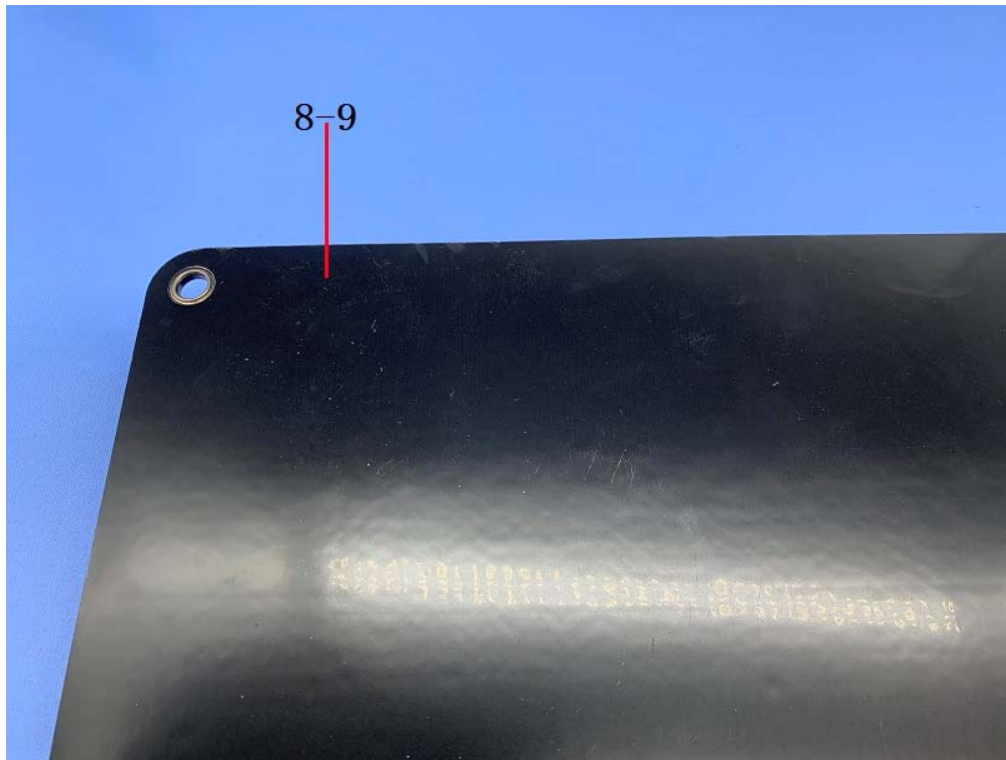




## Detailed Split Chart

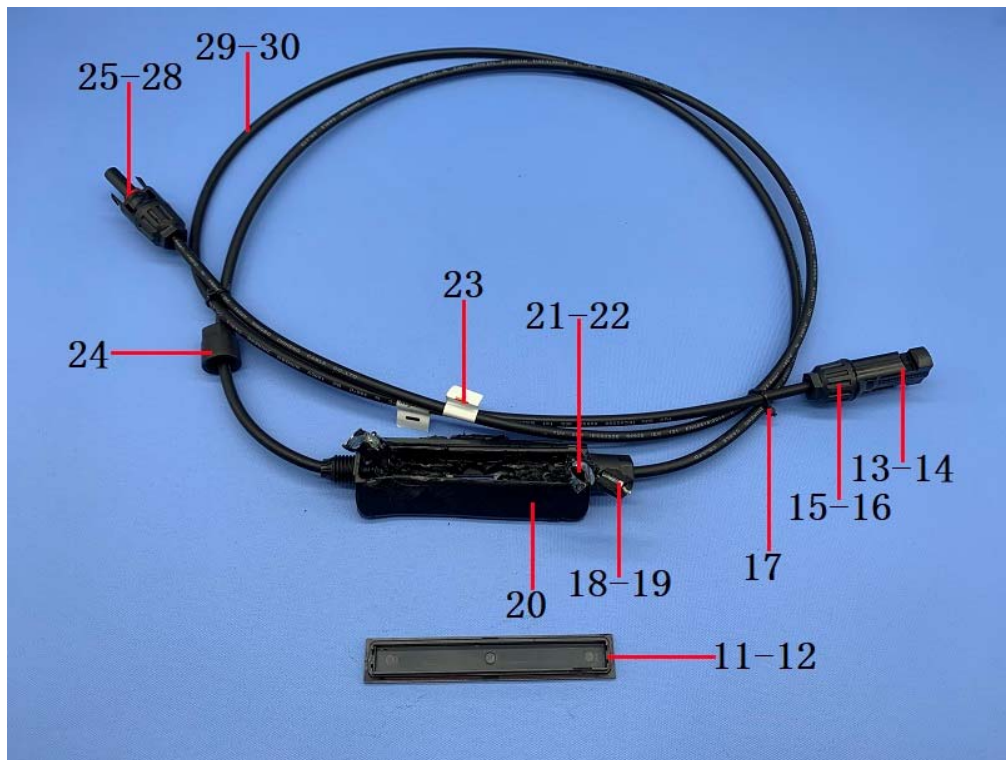


## Detailed Split Chart





## Detailed Split Chart



\*\*\*\*\* END OF REPORT \*\*\*\*\*



## STATEMENT

1. The test report is invalid without stamp of laboratory.
2. The test report is invalid without signature of person(s) testing and authorizing.
3. The test report is invalid if erased and corrected.
4. Test results of the report is valid to the test samples if sampling by client.
5. “☆” item to be outside the scope of authorized by CNAS.
6. The report without the "CMA" stamp shall not have a certifying effect on the society.
7. The test report shall not be reproduced except in full, without written approval of the laboratory.
8. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.