



# Test Report

Report No: BST190512537701CR

Date: May 07, 2019

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**Applicant** : TEPRO(CHINA)CO., LTD

**Address** : No.8 Dongyang Street, Xinan Industrial Zone, Danzhao Town, Nanhai District,  
Foshan City, Guangdong Province, China

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

**Sample Name** : UVLAMP

**Trade Name** : TEPRO

**Sample Model** : UVC4W  
GPHA357T5L,GPHA843T5L,GPHA1000T5L,GPHA1554T5L,  
GPHA357T6L,GPHA843T6L,GPHA1000T6L,GPHA1554T6L,  
GPHHA357T6L,GPHHA843T6L,GPHHA1000T6L,GPHHA1554T6L,  
GPHHA1510T8L,GPHHA1310T10L,GPHHA1554T10L,GXA1500T10L,  
UVC6W,UVC8W,UVC10W,UVC11W,UVC15W,UVC16W,UVC20W,  
UVC25W,UVC30W,UVC36W,UVC40W,UVC55W,UVC75W,UVC120W,  
UVC150W,CUH5L,CUH7L,CUH9L,CUH11L,CUH13L,CUH18L,  
CUH24L,CUH35L,CUH36L,CUH55L,CUH60L,CUH95L,GPH118T,  
GPH150T,GPH212T,GPH287T,GPH303T,GPH357T,GPH436T,  
GPH550T,GPH620T,GPH793T,GPH843T,GPH1148T,GPH1554T,  
GPH1630T,G10T,G36T,G48T,G64T,G67T

**Sample Received Date** : May 05, 2019

**Testing Period** : May 05, 2019 To May 07, 2019

**Test Requested** : Selected test (s) in the selected parts as requested by client with the RoHS 2 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102.

**Test Method** : Please refer to next page(s).

**Test Result** : Please refer to next page(s).

Signed for and on behalf of

**Tony Qian/ Approved Signatory**

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## Test Content:

| Test Item(s)                            | Test Method                | Reference | Unit               | Limit | MDL |
|---|----------------------------|-----------|--------------------|-------|-----|
| Cadmium(Cd)                             | IEC 62321-5:2013           | ICP-OES   | mg/kg              | 100   | 2   |
| Lead(Pb)                                | IEC 62321-5:2013           | ICP-OES   | mg/kg              | 1000  | 2   |
| Mercury(Hg)                             | IEC 62321-4:2013+AMD1:2017 | ICP-OES   | mg/kg              | 1000  | 2   |
| Hexavalent Chromium(CrVI)<br>(Metal)    | IEC 62321-7-1:2015         | UV-Vis    | µg/cm <sup>2</sup> | 0.13  | 0.1 |
| Hexavalent Chromium(CrVI)<br>(Nonmetal) | IEC 62321-7-2:2017         | UV-Vis    | mg/kg              | 1000  | 8   |
| PBBs<br>(Next form)                     | IEC 62321-6:2015           | GC-MS     | mg/kg              | 1000  | 5   |
| PBDEs<br>(Next form)                    | IEC 62321-6:2015           | GC-MS     | mg/kg              | 1000  | 5   |
| Dibutyl Phthalate(DBP)                  | IEC 62321-8:2017           | GC-MS     | mg/kg              | 1000  | 30  |
| Butyl benzyl phthalate (BBP)            | IEC 62321-8:2017           | GC-MS     | mg/kg              | 1000  | 30  |
| Di-(2-ethylhexyl)<br>Phthalate(DEHP)    | IEC 62321-8:2017           | GC-MS     | mg/kg              | 1000  | 30  |
| Diisobutyl phthalate (DIBP)             | IEC 62321-8:2017           | GC-MS     | mg/kg              | 1000  | 30  |

| PBBs               |                    | PBDEs                    |                          |
|--------------------|--------------------|--------------------------|--------------------------|
| Monobromobiphenyl  | Hexabromobiphenyl  | Monobromodiphenyl ether  | Hexabromodiphenyl ether  |
| Dibromobiphenyl    | Heptabromobiphenyl | Dibromodiphenyl ether    | Heptabromodiphenyl ether |
| Tribromobiphenyl   | Octabromobiphenyl  | Tribromodiphenyl ether   | Octabromodiphenyl ether  |
| Tetrabromobiphenyl | Nonabromobiphenyl  | Tetrabromodiphenyl ether | Nonabromodiphenyl ether  |
| Pentabromobiphenyl | Decabromobiphenyl  | Pentabromodiphenyl ether | Decabromodiphenyl ether  |

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## Sample Description:

| No. | Description | Name                    |
|-----|-------------|-------------------------|
| 1   | Plastic     | Black Line Skin Outside |
| 2   | Plastic     | Blue Line Skin          |
| 3   | Plastic     | Brown Line Skin         |
| 4   | Plastic     | Red Line Skin           |
| 5   | Plastic     | Yellow Line Skin        |
| 6   | Plastic     | White Line Skin         |
| 7   | Plastic     | Black Line Skin         |
| 8   | Plastic     | Black Terminal          |
| 9   | Metal       | Wire Core               |
| 10  | Metal       | Plug                    |
| 11  | Metal       | Silver Metal            |
| 12  | Metal       | Copper Color Metal      |
| 13  | Plastic     | White Plastic           |
| 14  | Plastic     | White Plastic Shell     |
| 15  | Plastic     | Black Plastic           |
| 16  | Plastic     | Gray Interface Plastic  |
| 17  | PCB         | PCB                     |
| 18  | Rubber      | Black Rubber            |
| 19  | IC          | IC                      |
| 20  | Capacitance | Capacitance             |

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## Test Result:

| Test Item(s)                       | No.1 | No.2 | No.3 | No.4 | No.5  |
|------------------------------------|------|------|------|------|-------|
| Cadmium (Cd)                       | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Lead (Pb)                          | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Mercury (Hg)                       | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Hexavalent Chromium (CrVI)         | N.D. | N.D. | N.D. | N.D. | N.D.  |
| PBBs                               | N.D. | N.D. | N.D. | N.D. | N.D.  |
| PBDEs                              | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Dibutyl Phthalate (DBP)            | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Butyl benzyl phthalate (BBP)       | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Di-(2-ethylhexyl) Phthalate(DEHP)  | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Diisobutyl phthalate (DIBP)        | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Test Item(s)                       | No.6 | No.7 | No.8 | No.9 | No.10 |
| Cadmium(Cd)                        | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Lead(Pb)                           | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Mercury(Hg)                        | N.D. | N.D. | N.D. | N.D. | N.D.  |
| Hexavalent Chromium (CrVI)         | N.D. | N.D. | N.D. | N.D. | N.D.  |
| PBBs                               | N.D. | N.D. | N.D. | --   | --    |
| PBDEs                              | N.D. | N.D. | N.D. | --   | --    |
| Dibutyl Phthalate (DBP)            | N.D. | N.D. | N.D. | --   | --    |
| Butyl benzyl phthalate (BBP)       | N.D. | N.D. | N.D. | --   | --    |
| Di-(2-ethylhexyl) Phthalate (DEHP) | N.D. | N.D. | N.D. | --   | --    |
| Diisobutyl phthalate (DIBP)        | N.D. | N.D. | N.D. | --   | --    |

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| Test Item(s)                       | No.11 | No.12 | No.13 | No.14 | No.15 |
|------------------------------------|-------|-------|-------|-------|-------|
| Cadmium (Cd)                       | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Lead (Pb)                          | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Mercury (Hg)                       | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Hexavalent Chromium (CrVI)         | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| PBBs                               | --    | --    | N.D.  | N.D.  | N.D.  |
| PBDEs                              | --    | --    | N.D.  | N.D.  | N.D.  |
| Dibutyl Phthalate (DBP)            | --    | --    | N.D.  | N.D.  | N.D.  |
| Butyl benzyl phthalate (BBP)       | --    | --    | N.D.  | N.D.  | N.D.  |
| Di-(2-ethylhexyl) Phthalate(DEHP)  | --    | --    | N.D.  | N.D.  | N.D.  |
| Diisobutyl phthalate (DIBP)        | --    | --    | N.D.  | N.D.  | N.D.  |
| Test Item(s)                       | No.16 | No.17 | No.18 | No.19 | No.20 |
| Cadmium(Cd)                        | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Lead(Pb)                           | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Mercury(Hg)                        | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Hexavalent Chromium (CrVI)         | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| PBBs                               | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| PBDEs                              | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Dibutyl Phthalate (DBP)            | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Butyl benzyl phthalate (BBP)       | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Di-(2-ethylhexyl) Phthalate (DEHP) | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |
| Diisobutyl phthalate (DIBP)        | N.D.  | N.D.  | N.D.  | N.D.  | N.D.  |

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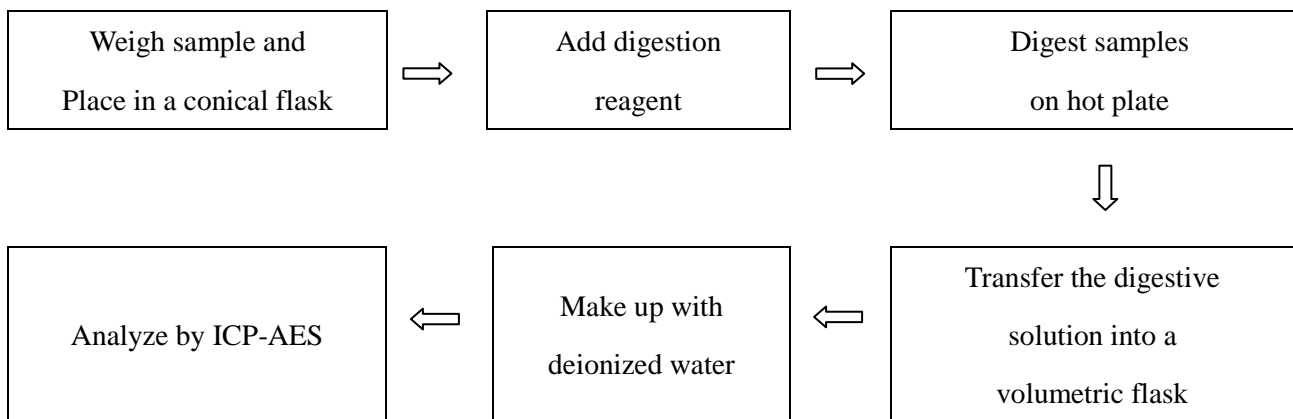
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**Note:**

1. mg/kg= ppm
2. N.D.= Not Detected(<MDL)
3. MDL = Method Detection Limit
4. -- = No Testing
5. When Cr (VI) in a sample is detected below the 0.10  $\mu\text{g}/\text{cm}^2$  LOQ (limit of quantification), the sample is considered to be negative for Cr (VI). Since Cr (VI) may not be uniformly distributed in the coating even within the same sample batch, a "grey zone" between 0.10  $\mu\text{g}/\text{cm}^2$  and 0.13  $\mu\text{g}/\text{cm}^2$  has been established as "inconclusive" to reduce inconsistent results due to unavoidable coating variations. In this case, additional testing may be necessary to confirm the presence of Cr (VI). When Cr (VI) is detected above 0.13  $\mu\text{g}/\text{cm}^2$ , the sample is considered to be positive for the presence of Cr (VI) in the coating layer. Unavoidable coating variations may influence the determination Information on storage conditions and production date of the tested sample is unavailable and thus Cr (VI) results represent status of the sample at the time of testing.

**Test Process:**

1. Test for Cd/Pb Content



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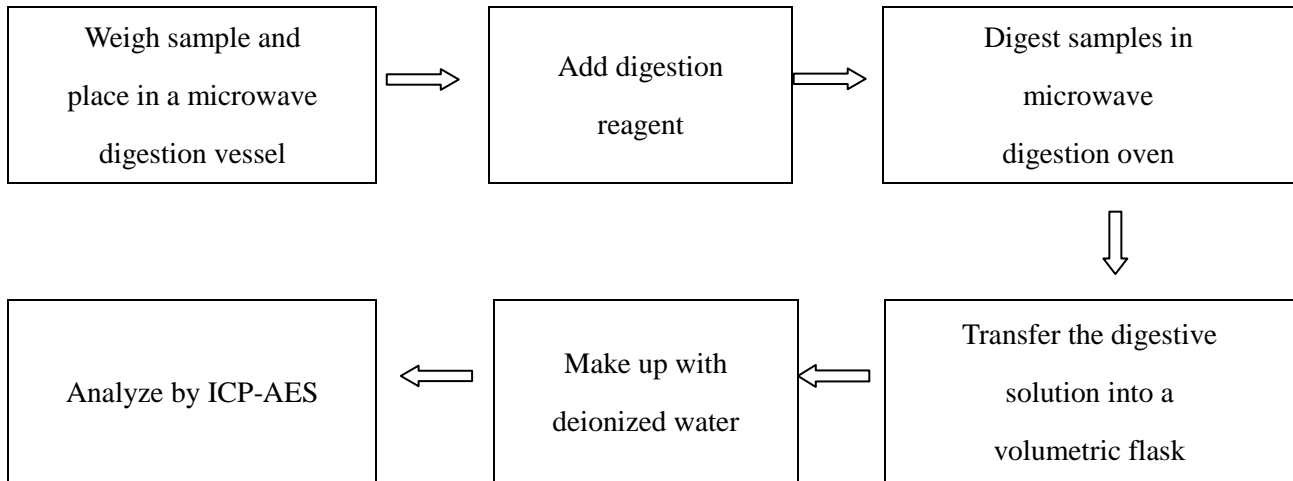
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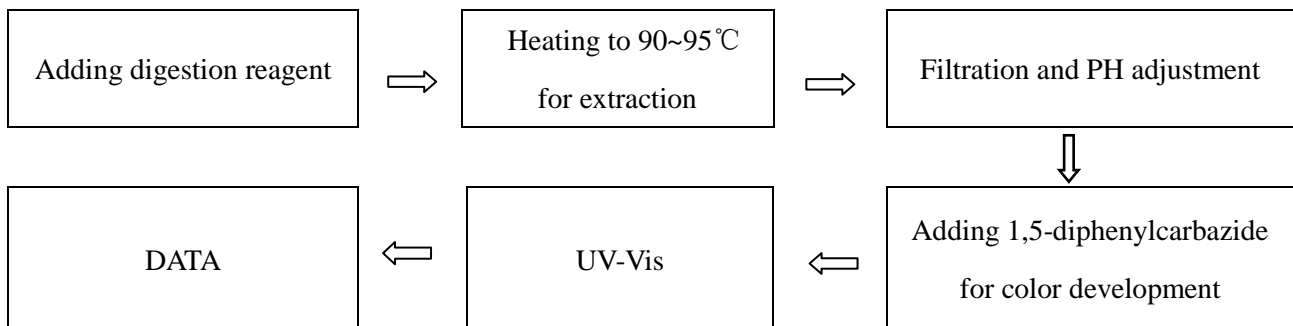
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## 2. Test for Hg Content

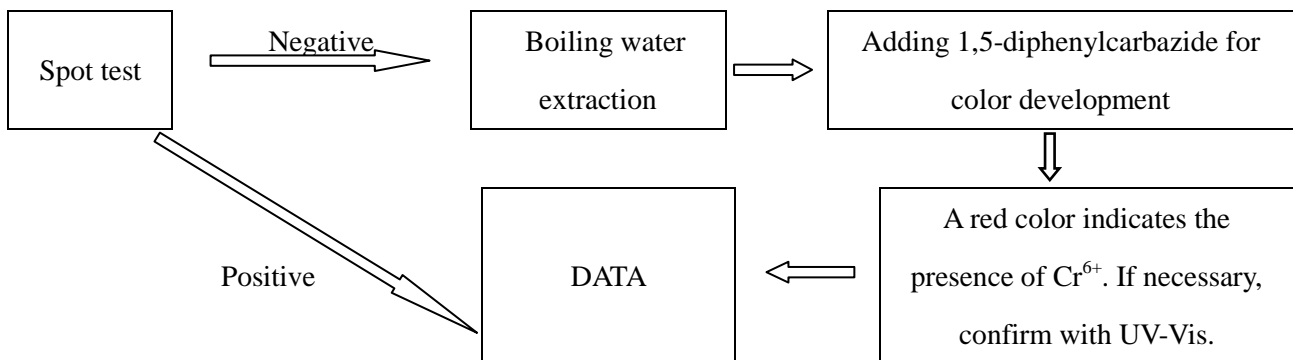


## 3. Test for Chromium (VI) Content

Nonmetal material



Metal material



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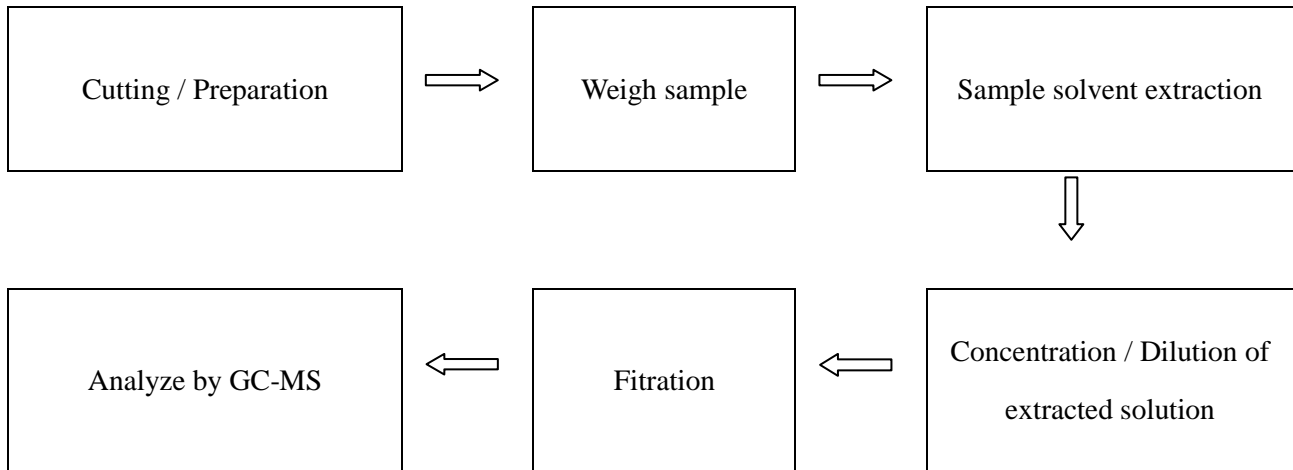
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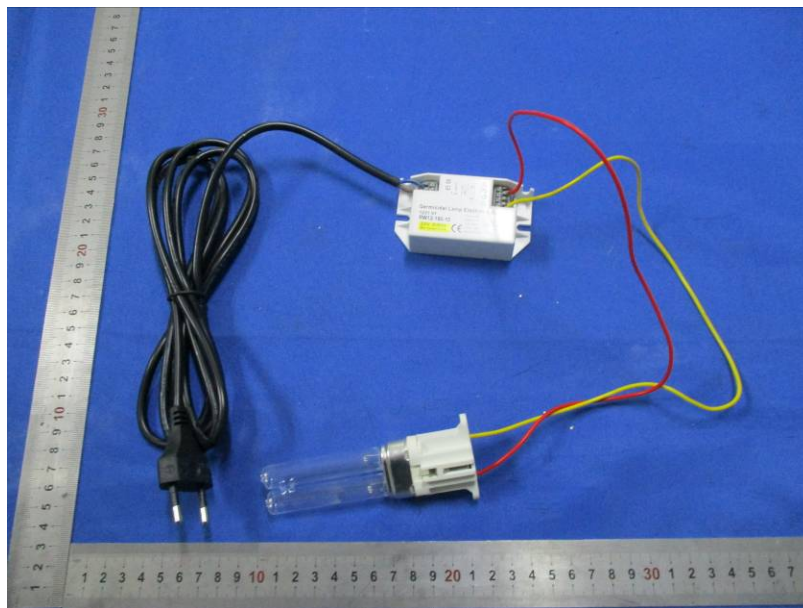
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## 4. Test for DBP, BBP, DEHP, DIBP, PBB, PBDE Content



### Sample Photo:



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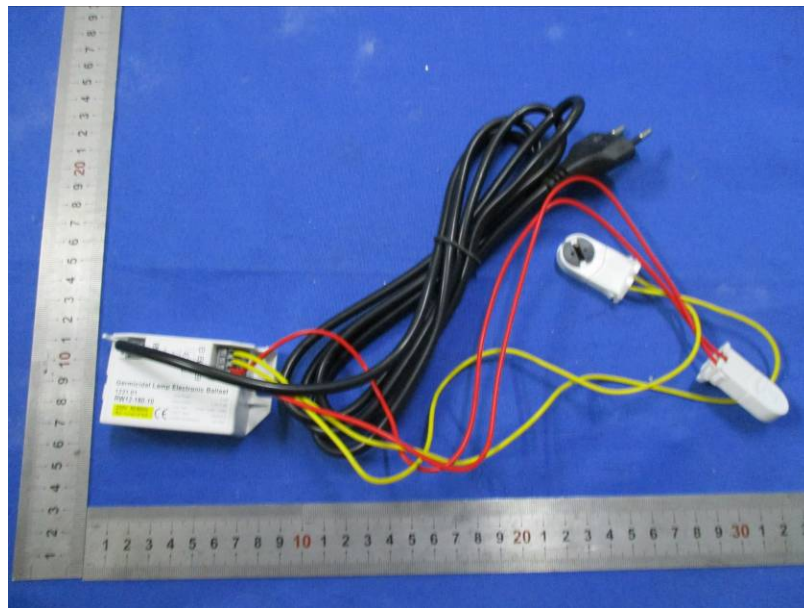


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