



# TEST REPORT

**Applicant** : [REDACTED]  
**Address** : NO.702, BLK15th, Shunde Wanyang Zhongchuang Park, Xiantang Vil,  
1st West Rd, Longjiang Town, Shunde Dist, Foshan City, Guangdong  
Pro., China, 528318

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

**Sample Name(s)** : LED step light  
**Trade Mark** : [REDACTED]  
**Tested Model No.** : ST6051-GY, ST6051W-GY, ST6051-SW, ST6051B  
**Sample Received Date** : December 06, 2024  
**Testing Period** : December 06, 2024 ~ December 12, 2024  
**Date of Report** : December 12, 2024  
**Testing Location** : 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community,  
Matian Street, Guangming District, Shenzhen, Guangdong, China  
**Test Requested** : As specified by client, to screen the 242 substances of very high concern  
(SVHC) under Regulation (EC) No 1907/2006 of REACH in the  
submitted sample(s).  
**Test Method/Test Result(s)** : Please refer to the following page(s).  
**Summary** : According to the analytical results, concentrations of all tested SVHC  
(see the candidate list) is less than 0.1%(w/w) in the submitted  
sample(s).

Signed for and on behalf of LCS

Terry.Luo

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**Sample Description**

| Sample No. | Sample Description    |
|------------|-----------------------|
| 1          | White metal sheet     |
| 2          | Silver magnet         |
| 3          | Red plastic thread    |
| 4          | White plastic thread  |
| 5          | Yellow plastic thread |
| 6          | White soft plastic    |
| 7          | Silver sheet metal    |
| 8          | Black plastic sheet   |
| 9          | Brown plastic sheet   |
| 10         | Silver sheet metal    |
| 11         | White plastic sheet   |
| 12         | Light-emitting diode  |
| 13         | Black IC              |
| 14         | Chip resistor         |
| 15         | Yellow lamp bead      |
| 16         | Tin solder            |
| 17         | PCB board             |
| 18         | White plastic sheet   |
| 19         | Grey plastic sheet    |
| 20         | Silver sheet metal    |
| 21         | Color ring resistance |
| 22         | Black IC              |
| 23         | Black plastic shell   |
| 24         | Silver metal shell    |
| 25         | Black triode          |
| 26         | PCB board             |
| 27         | Silver metal screw    |
| 28         | Silver metal screw    |

| Test No. | Sample Description |
|----------|--------------------|
| A1       | Mix all metal      |

| Test No. | Sample Description |
|----------|--------------------|
| B1       | Mix all non metal  |

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**Test Result(s)**

| Batch | No. | Substance Name(s)                           | CAS No. | EC No. | Concentration (%) | Report Limit (%) |
|-------|-----|---|---------|--------|-------------------|------------------|
|       |     |   |         |        | A1#               |                  |
| -     | -   | All tested SVHC<br>(See the candidate list) | -       | -      | N.D.              | -                |

| Batch | No. | Substance Name(s)                           | CAS No. | EC No. | Concentration (%) | Report Limit (%) |
|-------|-----|---|---------|--------|-------------------|------------------|
|       |     |   |         |        | B1#               |                  |
| -     | -   | All tested SVHC<br>(See the candidate list) | -       | -      | N.D.              | -                |

**Test Method:**

Refer to US EPA 3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 for sample pretreatment.

Analyzed by ICP-OES, UV-Vis, IC, HPLC, GC-MS, GC-FID and LC-MS-MS.

**Sample/Part Description**

| Sample No. | Sample/Part Description                       | Number of SVHC |
|------------|---|----------------|
| A1         | Mixed test, all parts (Metal) <sup>#</sup>    | 73             |
| B1         | Mixed test, all parts (Nonmetal) <sup>#</sup> | 242            |

**Note:**

- The table of tested result(s) only shows detected SVHC, and SVHC that below Report Limit are not reported. Please refer to the Candidate List of SVHC on next pages.
- w/w %=weight by weight; 0.1%=1000mg/kg=1000ppm
- N.D.=Not Detected(<Report Limit)
- \*: Concentration value of the substance by the conversion from the test results of certain elements.

Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride(DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(reaction mass of DOTE and MOTE), Dibutylbis(pentane-2,4-dionato-O,O')tin by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monoctyl Tins(MOT)).

- \*\* : All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex IV of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation(Regulation (EC) No 1272/2008).
- \*\*\*: C.I.: Colour Index
- \*\*\*\*: Light fractions from distillation

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8. \*\*\*\*\*: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consideration of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consideration of the hydrate.
9. ▲: Concentration value of Formaldehyde, oligomeric reaction products with aniline (technical MDA) by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4'-Diaminodiphenylmethane, 2,2-Diaminodiphenylmethane).
10. ①: In view of the substances established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1%(w/w), the presence of the substance in the sample needs to be further confirmed by checking SDS or requesting from suppliers.
11. ②: In view of the substances containing variable substances, the test results are calculated based on the main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
12. #: As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.
13. \*: Indicates the tested items of 73 SVHC.

**Remark:**

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

**Candidate List of SVHC**

| Batch | No. | Substance Name(s)                    | CAS No.  | EC No.                 | Report Limit (%) |
|-------|-----|--------------------------------------|--|------------------------|------------------|
| I     | 1   | Anthracene                           | 120-12-7   | 204-371-1              | 0.005            |
| I     | 2   | 4,4'-Diaminodiphenylmethane          | 101-77-9   | 202-974-4              | 0.005            |
| I     | 3   | Dibutyl phthalate (DBP)              | 84-74-2  | 201-557-4              | 0.005            |
| I     | 4*  | Cobalt dichloride*                   | 7646-79-9  | 231-589-4              | 0.01             |
| I     | 5*  | Diarsenic pentaoxide*                | 1303-28-2  | 215-116-9              | 0.01             |
| I     | 6*  | Diarsenic trioxide*                  | 1327-53-3  | 215-481-4              | 0.01             |
| I     | 7*  | Sodium dichromate *                  | 7789-12-0<br>10588-01-9  | 234-190-3              | 0.01             |
| I     | 8   | Musk xylene                          | 81-15-2  | 201-329-4              | 0.005            |
| I     | 9   | Bis(2-ethyl(hexyl) phthalate) (DEHP) | 117-81-7   | 204-211-0              | 0.005            |
| I     | 10  | Hexabromocyclododecane (HBCDD)       | 25637-99-4<br>3194-55-6<br>(134237-50-6)<br>(134237-51-7)<br>(134237-52-8) | 247-148-4<br>221-695-9 | 0.005            |

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| Batch | No. | Substance Name(s)   | CAS No.                              | EC No.                 | Report Limit (%) |
|-------|-----|---|--------------------------------------|------------------------|------------------|
| I     | 11  | Short Chain Chlorinated Paraffins (SCCPs)                                   | 85535-84-8                           | 287-476-5              | 0.01             |
| I     | 12  | Bis(tributyltin)oxide(TBTO)*  | 56-35-9                              | 200-268-0              | 0.005            |
| I     | 13* | Lead hydrogen arsenate*   | 7784-40-9                            | 232-064-2              | 0.01             |
| I     | 14  | Benzyl butyl phthalate (BBP)  | 85-68-7                              | 201-622-7              | 0.005            |
| I     | 15* | Triethyl arsenate*  | 15606-95-8                           | 427-700-2              | 0.01             |
| II    | 16  | <sup>①</sup> Anthracene oil   | 90640-80-5                           | 292-602-7              | 0.05             |
| II    | 17  | <sup>①</sup> Anthracene oil, anthracene paste, distn. Lights****            | 91995-17-4                           | 295-278-5              | 0.05             |
| II    | 18  | <sup>①</sup> Anthracene oil, anthracene paste, anthracene fraction          | 91995-15-2                           | 295-275-9              | 0.05             |
| II    | 19  | <sup>①</sup> Anthracene oil, anthracene-low                                 | 90640-82-7                           | 292-604-8              | 0.05             |
| II    | 20  | <sup>①</sup> Anthracene oil, anthracene paste                               | 90640-81-6                           | 292-603-2              | 0.05             |
| II    | 21  | <sup>①</sup> Coal tar pitch, high temperature                               | 65996-93-2                           | 266-028-2              | 0.05             |
| II    | 22  | Acrylamide  | 79-06-1                              | 201-173-7              | 0.01             |
| II    | 23  | 2,4-Dinitrotoluene  | 121-14-2                             | 204-450-0              | 0.01             |
| II    | 24  | Diisobutyl phthalate(DIBP)  | 84-69-5                              | 201-553-2              | 0.005            |
| II    | 25* | <sup>②</sup> Lead chromate  | 7758-97-6                            | 231-846-0              | 0.05             |
| II    | 26* | <sup>②</sup> Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*** | 12656-85-8                           | 235-759-9              | 0.05             |
| II    | 27* | <sup>②</sup> Lead sulfochromate yellow (C.I. Pigment Yellow 34)***          | 1344-37-2                            | 215-693-7              | 0.05             |
| II    | 28  | Tris(2-chloroethyl)phosphate(TCEP)  | 115-96-8                             | 204-118-5              | 0.01             |
| III   | 29  | Trichloroethylene   | 79-01-6                              | 201-167-4              | 0.005            |
| III   | 30* | Boric acid*   | 10043-35-3<br>11113-50-1             | 233-139-2<br>234-343-4 | 0.01             |
| III   | 31* | <sup>②</sup> Disodium tetraborate, anhydrous*****                           | 1330-43-4<br>12179-04-3<br>1303-96-4 | 215-540-4              | 0.01             |
| III   | 32* | <sup>②</sup> Tetraboron disodium heptaoxide, hydrate*****                   | 12267-73-1                           | 235-541-3              | 0.01             |
| III   | 33* | Sodium chromate*  | 7775-11-3                            | 231-889-5              | 0.01             |
| III   | 34* | Potassium chromate*   | 7789-00-6                            | 232-140-5              | 0.01             |
| III   | 35* | Ammonium dichromate*  | 7789-09-5                            | 232-143-1              | 0.01             |
| III   | 36* | Potassium dichromate*   | 7778-50-9                            | 231-906-6              | 0.01             |
| IV    | 37* | Cobalt(II) sulphate*  | 10124-43-3                           | 233-334-2              | 0.01             |
| IV    | 38* | Cobalt(II) dinitrate*   | 10141-05-6                           | 233-402-1              | 0.01             |
| IV    | 39* | Cobalt(II) carbonate*   | 513-79-1                             | 208-169-4              | 0.01             |
| IV    | 40* | Cobalt(II) diacetate*   | 71-48-7                              | 200-755-8              | 0.01             |

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|-------|-----|--|-------------------------|------------------------|------------------|
| IV    | 41  | 2-Methoxyethanol   | 109-86-4                | 203-713-7              | 0.005            |
| IV    | 42  | 2-Ethoxyethanol  | 110-80-5                | 203-804-1              | 0.005            |
| IV    | 43* | Chromium trioxide*   | 1333-82-0               | 215-607-8              | 0.01             |
| IV    | 44* | <sup>①</sup> Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* | 7738-94-5<br>13530-68-2 | 231-801-5<br>236-881-5 | 0.01             |
| V     | 45  | 2-ethoxyethyl acetate  | 111-15-9                | 203-839-2              | 0.01             |
| V     | 46* | Strontium chromate*  | 7789-06-2               | 232-142-6              | 0.01             |
| V     | 47  | <sup>①</sup> 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters   | 68515-42-4              | 271-084-6              | 0.01             |
| V     | 48  | Hydrazine  | 7803-57-8<br>302-01-2   | 206-114-9              | 0.01             |
| V     | 49  | 1-methyl-2-pyrrolidone   | 872-50-4                | 212-828-1              | 0.01             |
| V     | 50  | 1,2,3-trichloropropane   | 96-18-4                 | 202-486-1              | 0.01             |
| V     | 51  | <sup>①</sup> 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich  | 71888-89-6              | 276-158-1              | 0.01             |
| VI    | 52* | <sup>②</sup> Aluminosilicate Refractory Ceramic Fibres (RCF)**   | —                       | —                      | 0.05             |
| VI    | 53* | <sup>②</sup> Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**   | —                       | —                      | 0.05             |
| VI    | 54* | Dichromium tris(chromate)*   | 24613-89-6              | 246-356-2              | 0.01             |
| VI    | 55* | Potassium hydroxyoctaoxodizincate dichromate*  | 11103-86-9              | 234-329-8              | 0.01             |
| VI    | 56  | <sup>①</sup> Formaldehyde, oligomeric reaction products with aniline (technical MDA) <sup>▲</sup>  | 25214-70-4              | 500-036-1              | 0.01             |
| VI    | 57* | Pentazinc chromate octahydroxide*  | 49663-84-5              | 256-418-0              | 0.01             |
| VI    | 58  | Bis(2-methoxyethyl) phthalate  | 117-82-8                | 204-212-6              | 0.005            |
| VI    | 59  | 2-Methoxyaniline (o-Anisidine)   | 90-04-0                 | 201-963-1              | 0.005            |
| VI    | 60  | 4-(1,1,3,3-tetramethylbutyl) phenol(4-tert-Octylphenol)  | 140-66-9                | 205-426-2              | 0.005            |
| VI    | 61  | 1,2-Dichloroethane   | 107-06-2                | 203-458-1              | 0.005            |
| VI    | 62  | Bis(2-methoxyethyl) ether  | 111-96-6                | 203-924-4              | 0.005            |
| VI    | 63* | Arsenic acid*  | 7778-39-4               | 231-901-9              | 0.01             |

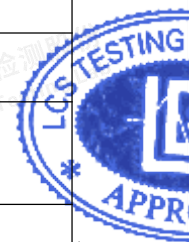
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|-------|-----|--|------------|-----------|------------------|
| VI    | 64* | Calcium arsenate*  | 7778-44-1  | 231-904-5 | 0.01             |
| VI    | 65* | Trilead diarsenate*  | 3687-31-8  | 222-979-5 | 0.01             |
| VI    | 66  | N,N-dimethylacetamide (DMAC)   | 127-19-5   | 204-826-4 | 0.005            |
| VI    | 67  | Phenolphthalein  | 77-09-8    | 201-004-7 | 0.005            |
| VI    | 68  | 2,2'-dichloro-4,4'-methylenedianiline (MOCA)   | 101-14-4   | 202-918-9 | 0.005            |
| VI    | 69* | Lead diazide*  | 13424-46-9 | 236-542-1 | 0.01             |
| VI    | 70* | Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*  | 15245-44-0 | 239-290-0 | 0.01             |
| VI    | 71* | Lead dipicrate*  | 6477-64-1  | 229-335-2 | 0.01             |
| VII   | 72  | 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)   | 112-49-2   | 203-977-3 | 0.01             |
| VII   | 73  | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)  | 110-71-4   | 203-794-9 | 0.01             |
| VII   | 74* | Diboron trioxide*  | 1303-86-2  | 215-125-8 | 0.01             |
| VII   | 75  | Formamide  | 75-12-7    | 200-842-0 | 0.01             |
| VII   | 76* | Lead(II) bis methanesulfonate*   | 17570-76-2 | 401-750-5 | 0.01             |
| VII   | 77  | TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)   | 2451-62-9  | 219-514-3 | 0.01             |
| VII   | 78  | $\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)   | 59653-74-6 | 423-400-0 | 0.01             |
| VII   | 79  | 4,4'-bis(dimethylamino)benzophenone (Michler'sketone)  | 90-94-8    | 202-027-5 | 0.01             |
| VII   | 80  | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler'sbase)  | 101-61-1   | 202-959-2 | 0.01             |
| VII   | 81  | [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. BasicViolet 3)***                  | 548-62-9   | 208-953-6 | 0.01             |
| VII   | 82  | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammoniumchloride (C.I. Basic Blue 26)*** | 2580-56-5  | 219-943-6 | 0.01             |
| VII   | 83  | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)***                                | 6786-83-0  | 229-851-8 | 0.01             |
| VII   | 84  | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol  | 561-41-1   | 209-218-2 | 0.01             |
| VIII  | 85  | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)   | 1163-19-5  | 214-604-9 | 0.05             |
| VIII  | 86  | Pentacosafuorotridecanoic acid   | 72629-94-8 | 276-745-2 | 0.05             |
| VIII  | 87  | Tricosafuorododecanoic acid  | 307-55-1   | 206-203-2 | 0.05             |



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|-------|------|--|--|--|------------------|
| VIII  | 88   | Henicosafleuroundecanoic acid  | 2058-94-8  | 218-165-4  | 0.05             |
| VIII  | 89   | Heptacosafleurotetradecanoic acid  | 376-06-7   | 206-803-4  | 0.05             |
| VIII  | 90   | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated<br>[covering well-defined substances and UVCB substances, polymers and homologues]   | —  | —  | 0.05             |
| VIII  | 91   | <sup>①</sup> 4-Nonylphenol, branched and linear<br>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | —  | —  | 0.05             |
| VIII  | 92   | Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))  | 123-77-3   | 204-650-8  | 0.05             |
| VIII  | 93   | Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride   | 85-42-7<br>13149-00-3<br>14166-21-3                  | 201-604-9<br>236-086-3<br>238-009-9              | 0.05             |
| VIII  | 94   | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride  | 25550-51-0<br>19438-60-9<br>48122-14-1<br>57110-29-9 | 247-094-1<br>243-072-0<br>256-356-4<br>260-566-1 | 0.05             |
| VIII  | 95   | Methoxyacetic acid   | 625-45-6   | 210-894-6  | 0.05             |
| VIII  | 96   | <sup>①</sup> 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear  | 84777-06-0   | 284-032-2  | 0.05             |
| VIII  | 97   | Diisopentylphthalate (DIPP)  | 605-50-5   | 210-088-4  | 0.05             |
| VIII  | 98   | N-pentyl-isopentylphthalate  | 776297-69-9  | —  | 0.05             |
| VIII  | 99   | 1,2-Diethoxyethane   | 629-14-1   | 211-076-1  | 0.05             |
| VIII  | 100  | N,N-dimethylformamide  | 68-12-2  | 200-679-5  | 0.05             |
| VIII  | 101  | Dibutyltin dichloride (DBTC)*  | 683-18-1   | 211-670-0  | 0.05             |
| VIII  | 102* | Acetic acid, lead salt, basic*   | 51404-69-4   | 257-175-3  | 0.01             |
| VIII  | 103* | Trileadbis(carbonate) dihydroxide*   | 1319-46-6  | 215-290-6  | 0.01             |
| VIII  | 104* | Lead oxide sulfate*  | 12036-76-9   | 234-853-7  | 0.01             |
| VIII  | 105* | [Phthalato(2-)]dioxotrilead*   | 69011-06-9   | 273-688-5  | 0.01             |
| VIII  | 106* | Dioxobis(stearato)trilead*   | 12578-12-0   | 235-702-8  | 0.01             |
| VIII  | 107* | Fatty acids, C16-18, lead salts*   | 91031-62-8   | 292-966-7  | 0.01             |
| VIII  | 108* | Lead bis(tetrafluoroborate)*   | 13814-96-5   | 237-486-0  | 0.01             |

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| Batch | No.  | Substance Name(s)  | CAS No.     | EC No.    | Report Limit (%) |
|-------|------|--|-------------|-----------|------------------|
| VIII  | 109* | Lead cyanamidate*  | 20837-86-9  | 244-073-9 | 0.01             |
| VIII  | 110* | Lead dinitrate*  | 10099-74-8  | 233-245-9 | 0.01             |
| VIII  | 111* | Lead monoxide (lead oxide)*  | 1317-36-8   | 215-267-0 | 0.01             |
| VIII  | 112* | Orange lead (lead tetroxide)*  | 1314-41-6   | 215-235-6 | 0.01             |
| VIII  | 113* | Lead titanium trioxide*  | 12060-00-3  | 235-038-9 | 0.01             |
| VIII  | 114* | Lead titanium zirconium oxide*   | 12626-81-2  | 235-727-4 | 0.01             |
| VIII  | 115* | Pentaleadtetraoxide sulphate*  | 12065-90-6  | 235-067-7 | 0.01             |
| VIII  | 116* | Pyrochlore, antimony lead yellow*  | 8012-00-8   | 232-382-1 | 0.01             |
| VIII  | 117* | Silicic acid(H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped* | 68784-75-8  | 272-271-5 | 0.01             |
| VIII  | 118* | Silicic acid, lead salt*   | 11120-22-2  | 234-363-3 | 0.01             |
| VIII  | 119* | Sulfurous acid, lead salt, dibasic*  | 62229-08-7  | 263-467-1 | 0.01             |
| VIII  | 120* | Tetraethyllead*  | 78-00-2     | 201-075-4 | 0.01             |
| VIII  | 121* | Tetralead trioxide sulphate*   | 12202-17-4  | 235-380-9 | 0.01             |
| VIII  | 122* | Trilead dioxide phosphonate*   | 12141-20-7  | 235-252-2 | 0.01             |
| VIII  | 123  | Furan  | 110-00-9    | 203-727-3 | 0.05             |
| VIII  | 124  | Methyloxirane (Propylene oxide)  | 75-56-9     | 200-879-2 | 0.05             |
| VIII  | 125  | Diethyl sulphate   | 64-67-5     | 200-589-6 | 0.05             |
| VIII  | 126  | Dimethyl sulphate  | 77-78-1     | 201-058-1 | 0.05             |
| VIII  | 127  | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine   | 143860-04-2 | 421-150-7 | 0.05             |
| VIII  | 128  | Dinoseb (6-sec-butyl-2,4-dinitrophenol)  | 88-85-7     | 201-861-7 | 0.05             |
| VIII  | 129  | 4,4'-methylenedi-o-toluidine   | 838-88-0    | 212-658-8 | 0.05             |
| VIII  | 130  | 4,4'-oxydianiline and its salts  | 101-80-4    | 202-977-0 | 0.05             |
| VIII  | 131  | 4-aminoazobenzene  | 60-09-3     | 200-453-6 | 0.05             |
| VIII  | 132  | 4-methyl-m-phenylenediamine (toluene-2,4-diamine)  | 95-80-7     | 202-453-1 | 0.05             |
| VIII  | 133  | 6-methoxy-m-toluidine (p-cresidine)  | 120-71-8    | 204-419-1 | 0.05             |
| VIII  | 134  | Biphenyl-4-ylamine   | 92-67-1     | 202-177-1 | 0.05             |
| VIII  | 135  | o-aminoazotoluene  | 97-56-3     | 202-591-2 | 0.05             |
| VIII  | 136  | o-Toluidine  | 95-53-4     | 202-429-0 | 0.05             |
| VIII  | 137  | N-methylacetamide  | 79-16-3     | 201-182-6 | 0.05             |
| VIII  | 138  | 1-bromopropane (n-propyl bromide)  | 106-94-5    | 203-445-0 | 0.05             |

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| Batch | No.  | Substance Name(s)  | CAS No.                  | EC No.                 | Report Limit (%) |
|-------|------|--|--------------------------|------------------------|------------------|
| IX    | 139  | <sup>①</sup> 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | —                        | —                      | 0.05             |
| IX    | 140* | Cadmium  | 7440-43-9                | 231-152-8              | 0.01             |
| IX    | 141* | Cadmium oxide*   | 1306-19-0                | 215-146-2              | 0.01             |
| IX    | 142  | Ammonium pentadecafluorooctanoate (APFO)   | 3825-26-1                | 223-320-4              | 0.01             |
| IX    | 143  | Pentadecafluorooctanoic acid (PFOA)  | 335-67-1                 | 206-397-9              | 0.01             |
| IX    | 144  | Dipentyl phthalate (DPP)   | 131-18-0                 | 205-017-9              | 0.01             |
| X     | 145* | Cadmium sulphide *   | 1306-23-6                | 215-147-8              | 0.01             |
| X     | 146  | Dihexyl phthalate  | 84-75-3                  | 201-559-5              | 0.01             |
| X     | 147  | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***  | 573-58-0                 | 209-358-4              | 0.01             |
| X     | 148  | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)***  | 1937-37-7                | 217-710-3              | 0.01             |
| X     | 149  | Imidazolidine-2-thione;2-imidazoline-2-thiol   | 96-45-7                  | 202-506-9              | 0.01             |
| X     | 150* | Lead di(acetate)*  | 301-04-2                 | 206-104-4              | 0.01             |
| X     | 151  | <sup>①</sup> Trixylyl phosphate  | 25155-23-1               | 246-677-8              | 0.01             |
| XI    | 152  | <sup>①</sup> 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear  | 68515-50-4               | 271-093-5              | 0.01             |
| XI    | 153* | Cadmium chloride*  | 10108-64-2               | 233-296-7              | 0.01             |
| XI    | 154* | <sup>②</sup> Sodium perborate; perboric acid, sodium salt*****   | 15120-21-5<br>11138-47-9 | 239-172-9<br>234-390-0 | 0.01             |
| XI    | 155* | <sup>②</sup> Sodium peroxometaborate*****  | 7632-04-4                | 231-556-4              | 0.01             |
| XII   | 156  | 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)  | 25973-55-1               | 247-384-8              | 0.01             |
| XII   | 157  | 2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)   | 3846-71-7                | 223-346-6              | 0.01             |

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|-------|------|--|-------------------------------------|-----------------------------|------------------|
| XII   | 158  | <sup>①</sup> Reaction mass of 2-ethylhexyl10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)* | —                                   | —                           | 0.05             |
| XII   | 159* | Cadmium fluoride*  | 7790-79-6                           | 232-222-0                   | 0.01             |
| XII   | 160* | Cadmium sulphate*  | 10124-36-4<br>31119-53-6            | 233-331-6                   | 0.01             |
| XII   | 161  | 2-ethylhexyl10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*   | 15571-58-1                          | 239-622-4                   | 0.05             |
| XIII  | 162  | <sup>①</sup> 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)   | 68515-51-5<br>68648-93-1            | 271-094-0<br>272-013-1      | 0.05             |
| XIII  | 163  | <sup>①</sup> 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]                   | —                                   | —                           | 0.05             |
| XIV   | 164  | Nitrobenzene   | 98-95-3                             | 202-716-0                   | 0.01             |
| XIV   | 165  | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)   | 3864-99-1                           | 223-383-8                   | 0.01             |
| XIV   | 166  | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)   | 36437-37-3                          | 253-037-1                   | 0.01             |
| XIV   | 167  | 1,3-propanesultone   | 1120-71-4                           | 214-317-9                   | 0.01             |
| XIV   | 168  | Perfluorononan-1-oic-acid and its sodium and ammonium salts  | 375-95-1<br>21049-39-8<br>4149-60-4 | 206-801-3                   | 0.01             |
| XV    | 169  | Benzo[def]chrysene (Benzo[a]pyrene)  | 50-32-8                             | 200-028-5                   | 0.01             |
| XVI   | 170  | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts   | 3108-42-7<br>335-76-2<br>3830-45-3  | 221-470-5<br>206-400-3<br>- | 0.01             |
| XVI   | 171  | p-(1,1-dimethylpropyl)phenol   | 80-46-6                             | 201-280-9                   | 0.01             |

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|-------|------|--|--------------------------|-----------|------------------|
| XVI   | 172  | <sup>①</sup> 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | —                        | —         | 0.05             |
| XVI   | 173  | 4,4'-isopropylidenediphenol (bisphenol A; BPA)   | 80-05-7                  | 201-245-8 | 0.01             |
| XVII  | 174  | Perfluorohexane-1-sulphonic acid and its salts   | —                        | —         | 0.05             |
| XVIII | 175  | Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)   | —                        | —         | 0.01             |
| XVIII | 176  | Benzo[a]anthracene   | 56-55-3,<br>1718-53-2    | 200-280-6 | 0.01             |
| XVIII | 177  | <sup>①</sup> Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]  | —                        | —         | 0.05             |
| XVIII | 178* | Cadmium nitrate*   | 10325-94-7<br>10022-68-1 | 233-710-6 | 0.01             |
| XVIII | 179* | Cadmium carbonate*   | 513-78-0                 | 208-168-9 | 0.01             |
| XVIII | 180* | Cadmium hydroxide*   | 21041-95-2               | 244-168-5 | 0.01             |
| XVIII | 181  | Chrysene   | 218-01-9,<br>1719-03-5   | 205-923-4 | 0.01             |
| XIX   | 182  | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride) (TMA)  | 552-30-7                 | 209-008-0 | 0.01             |
| XIX   | 183  | Benzo[g,h,i]perylene   | 191-24-2                 | 205-883-8 | 0.01             |
| XIX   | 184  | Decamethylcyclotetrasiloxane (D5)  | 541-02-6                 | 208-764-9 | 0.01             |
| XIX   | 185  | Dicyclohexylphthalate(DCHP)  | 84-61-7                  | 201-545-9 | 0.01             |
| XIX   | 186* | Disodium octaborate*   | 12008-41-2               | 234-541-0 | 0.01             |
| XIX   | 187  | Dodecamethylcyclohexasiloxane (D6)   | 540-97-6                 | 208-762-8 | 0.01             |
| XIX   | 188  | Ethylenediamine (EDA)  | 107-15-3                 | 203-468-6 | 0.01             |
| XIX   | 189* | Lead   | 7439-92-1                | 231-100-4 | 0.01             |
| XIX   | 190  | Octamethylcyclotetrasiloxane(D4)   | 556-67-2                 | 209-136-7 | 0.01             |
| XIX   | 191  | <sup>①</sup> Terphenyl, hydrogenated   | 61788-32-7               | 262-967-7 | 0.01             |

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|-------|-----|---|-------------|-----------|------------------|
| XX    | 192 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2,2,1]heptan-2-one   | 15087-24-8  | 239-139-9 | 0.01             |
| XX    | 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane   | 6807-17-6   | 401-720-1 | 0.01             |
| XX    | 194 | Benzo[k]fluoranthene  | 207-08-9    | 205-916-6 | 0.01             |
| XX    | 195 | Fluoranthene  | 206-44-0    | 205-912-4 | 0.01             |
| XX    | 196 | Phenanthrene  | 85-01-8     | 201-581-5 | 0.01             |
| XX    | 197 | Pyrene  | 129-00-0    | 204-927-3 | 0.01             |
| XXI   | 198 | 4-tert-butylphenol  | 98-54-4     | 202-679-0 | 0.01             |
| XXI   | 199 | 2-methoxyethyl acetate  | 110-49-6    | 203-772-9 | 0.01             |
| XXI   | 200 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)   | —           | —         | 0.01             |
| XXI   | 201 | <sup>①</sup> Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)   | —           | —         | 0.01             |
| XXII  | 202 | 2-benzyl-2-dimethylamino-4'-morpholino butyrophenone  | 119313-12-1 | 404-360-3 | 0.01             |
| XXII  | 203 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one  | 71868-10-5  | 400-600-6 | 0.01             |
| XXII  | 204 | Diisohexyl phthalate  | 71850-09-04 | 276-090-2 | 0.01             |
| XXII  | 205 | Perfluorobutane sulfonic acid (PFBS) and its salts  | —           | —         | 0.01             |
| XXIII | 206 | 1-vinylimidazole  | 1072-63-5   | 214-012-0 | 0.01             |
| XXIII | 207 | 2-methylimidazole   | 693-98-1    | 211-765-7 | 0.01             |
| XXIII | 208 | Butyl 4-hydroxybenzoate   | 94-26-8     | 202-318-7 | 0.01             |
| XXIII | 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin*  | 22673-19-4  | 245-152-0 | 0.05             |
| XXIV  | 210 | Bis(2-(2-methoxyethoxy)ethyl) ether   | 143-24-8    | 205-594-7 | 0.01             |
| XXIV  | 211 | Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety* | —           | —         | 0.01             |
| XXV   | 212 | 1,4-dioxane   | 123-91-1    | 204-661-8 | 0.01             |



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|--------|------|--|--|-------------------------------------|------------------|
| XXV    | 213  | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers   | —  | —                                   | 0.01             |
| XXV    | 214  | 4,4'-(1-methylpropylidene)bisphenol  | 77-40-7  | 201-025-1                           | 0.01             |
| XXV    | 215  | 2,2-Bis(bromomethyl)propane-1,3-diol(BMP);<br>2,2-dimethylpropan-1-ol, tribromo derivative;<br>3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);<br>2,3-dibromo-1-propanol(2,3-DBPA)                          | 3296-90-0<br>36483-57-5/<br>1522-92-5<br>96-13-9 | 221-967-7<br>253-057-0<br>202-480-9 | 0.01             |
| XXV    | 216  | Glutaral   | 111-30-8   | 203-856-5                           | 0.01             |
| XXV    | 217  | Middle Chain Chlorinated Paraffins (MCCPs)(UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C <sub>14</sub> to C <sub>17</sub> ) | —  | —                                   | 0.01             |
| XXV    | 218* | Orthoboric acid, sodium salt*  | 13840-56-7                                       | 237-560-2                           | 0.05             |
| XXV    | 219  | Phenol, alkylation products (mainly in para position) with C <sub>12</sub> -rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)              | —  | —                                   | 0.01             |
| XXVI   | 220  | (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)   | —  | —                                   | 0.01             |
| XXVI   | 221  | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol   | 119-47-1   | 204-327-1                           | 0.01             |
| XXVI   | 222  | S-(tricyclo(5.2.1.0 <sup>2,6</sup> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate  | 255881-94-8                                      | 401-850-9                           | 0.01             |
| XXVI   | 223  | Tris(2-methoxyethoxy)vinylsilane   | 1067-53-4  | 213-934-0                           | 0.01             |
| XXVII  | 224  | N-(hydroxymethyl)acrylamide  | 924-42-5   | 213-103-2                           | 0.01             |
| XXVIII | 225  | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene](BTBPE)  | 37853-59-1                                       | 253-692-3                           | 0.01             |
| XXVIII | 226  | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(TBBPA)  | 79-94-7  | 201-236-9                           | 0.01             |
| XXVIII | 227  | 4,4'-sulphonyldiphenol   | 80-09-1  | 201-250-5                           | 0.01             |
| XXVIII | 228* | Barium diboron tetraoxide  | 13701-59-2                                       | 237-222-4                           | 0.01             |
| XXVIII | 229  | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof   | —  | —                                   | 0.01             |
| XXVIII | 230  | Isobutyl 4-hydroxybenzoate   | 4247-02-3  | 224-208-8                           | 0.01             |
| XXVIII | 231  | Melamine   | 108-78-1   | 203-615-4                           | 0.01             |

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|--------|-----|---|-------------|-----------|------------------|
| XXVIII | 232 | Perfluoroheptanoic acid and its salts   | —           | —         | 0.01             |
| XXVIII | 233 | Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl) morpholine | —           | 473-390-7 | 0.01             |
| XXIX   | 234 | Bis(4-chlorophenyl) sulphone  | 80-07-9     | 201-247-9 | 0.01             |
| XXIX   | 235 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide   | 75980-60-8  | 278-355-8 | 0.01             |
| XXX    | 236 | 2,4,6-tri-tert-butylphenol  | 732-26-3    | 211-989-5 | 0.01             |
| XXX    | 237 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol   | 3147-75-9   | 221-573-5 | 0.01             |
| XXX    | 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl) phenyl]butan-1-one   | 119344-86-4 | 438-340-0 | 0.01             |
| XXX    | 239 | Bumetrizole   | 3896-11-5   | 223-445-4 | 0.01             |
| XXX    | 240 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol  | —           | 700-960-7 | 0.01             |
| XXXI   | 241 | Bis(a,a dimethylbenzyl) Peroxide  | 80-43-3     | 201-279-3 | 0.01             |
| XXXII  | 242 | Triphenyl phosphate   | 115-86-6    | 204-112-2 | 0.01             |

**Other remarks:**

- Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1% weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
  - Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
  - On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
- The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 31 and Annex II of REACH.
- The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
  - Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives (EC) No 1272/2008.
  - Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive (EC) No 1272/2008, but contains any substance that is included in the Candidate List in an individual concentration of  $\geq 0.1\%$  by weight for non-gaseous mixtures or  $\geq 0.2\%$  by volume for gaseous mixtures.

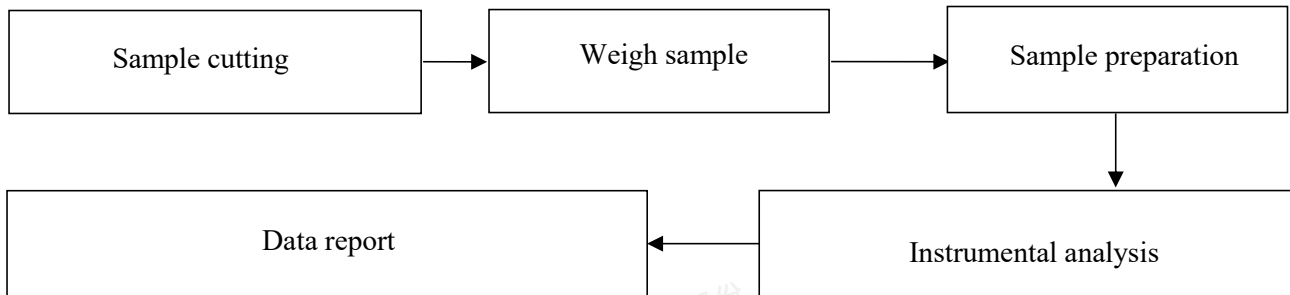
TRF-4-R-029 A/0



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### Test Process



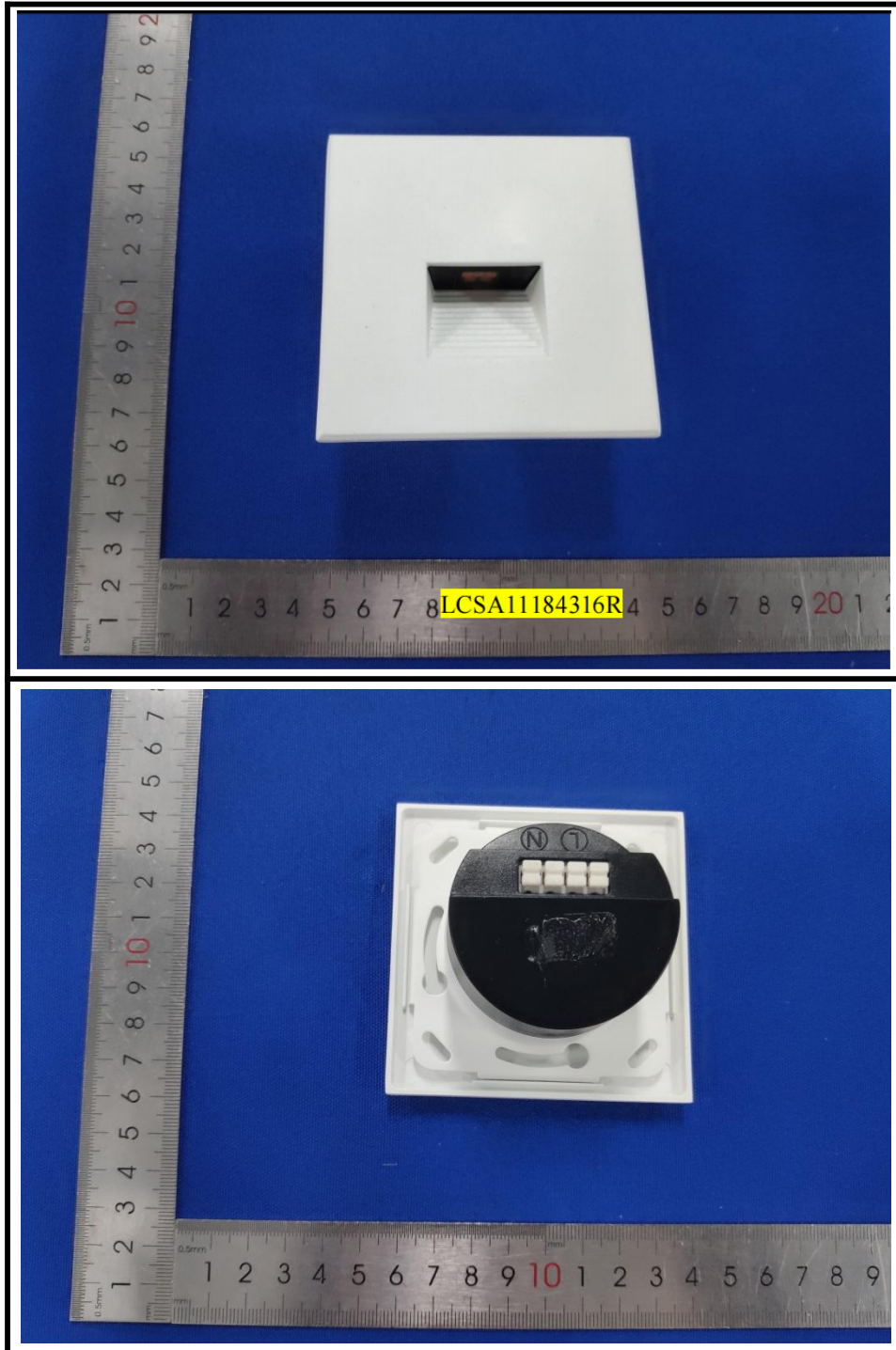
TRF-4-R-029 A/0

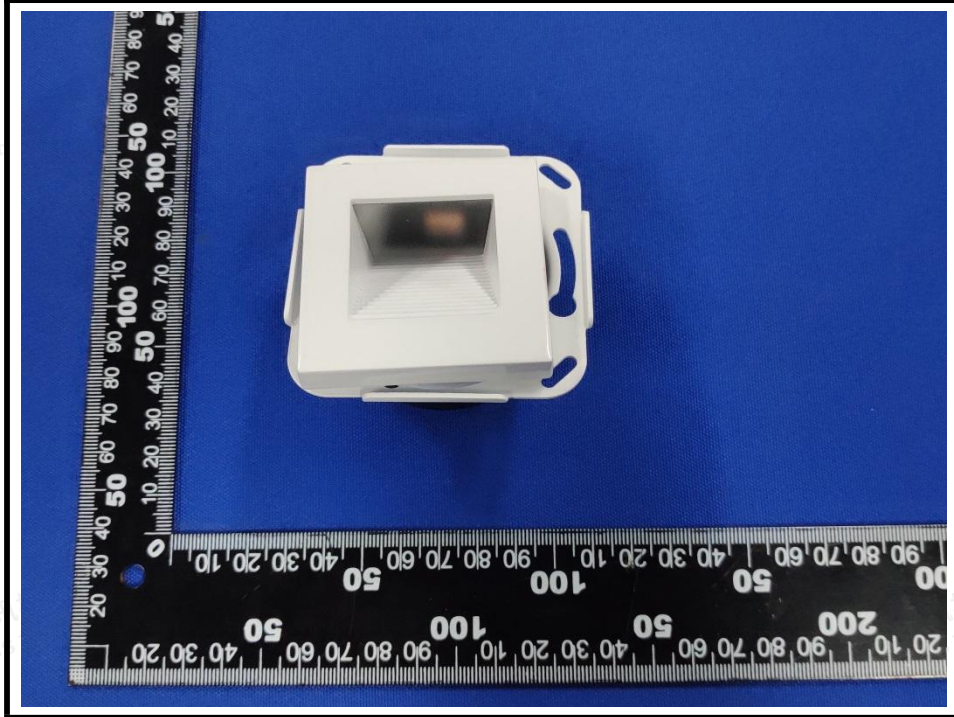
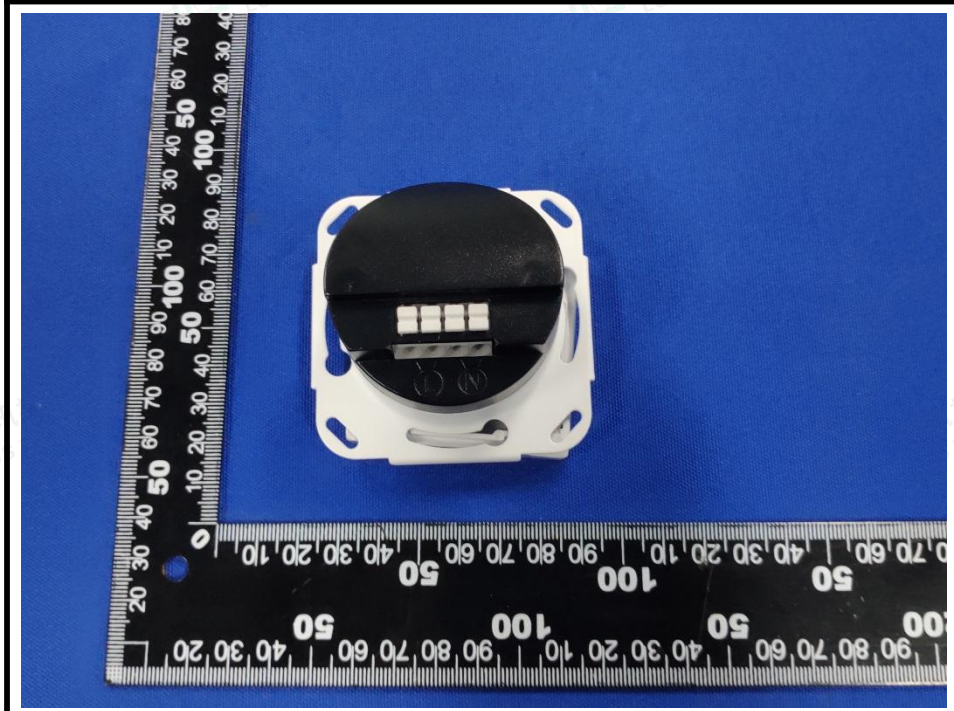


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## Photo(s) of the sample(s)

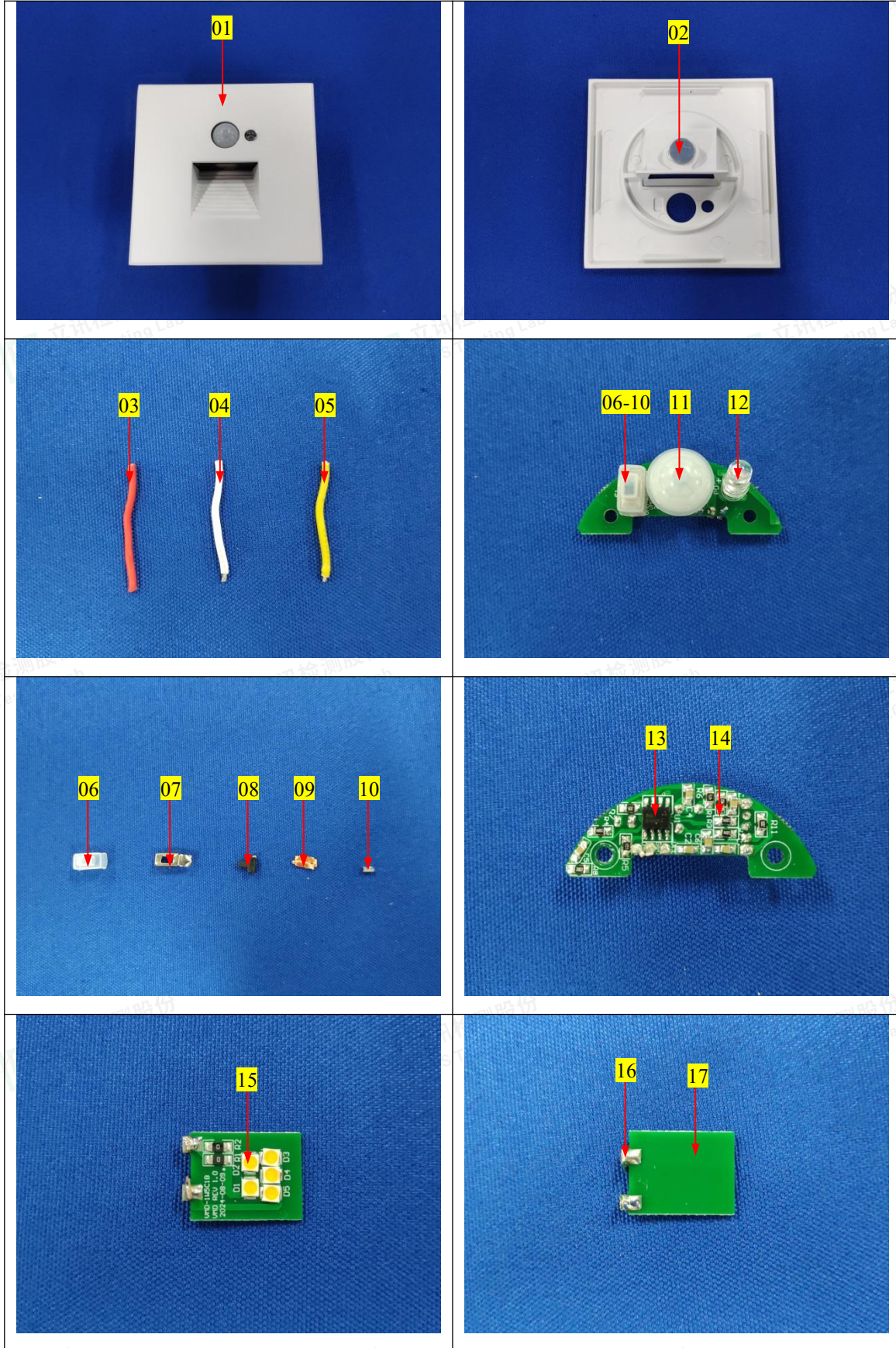




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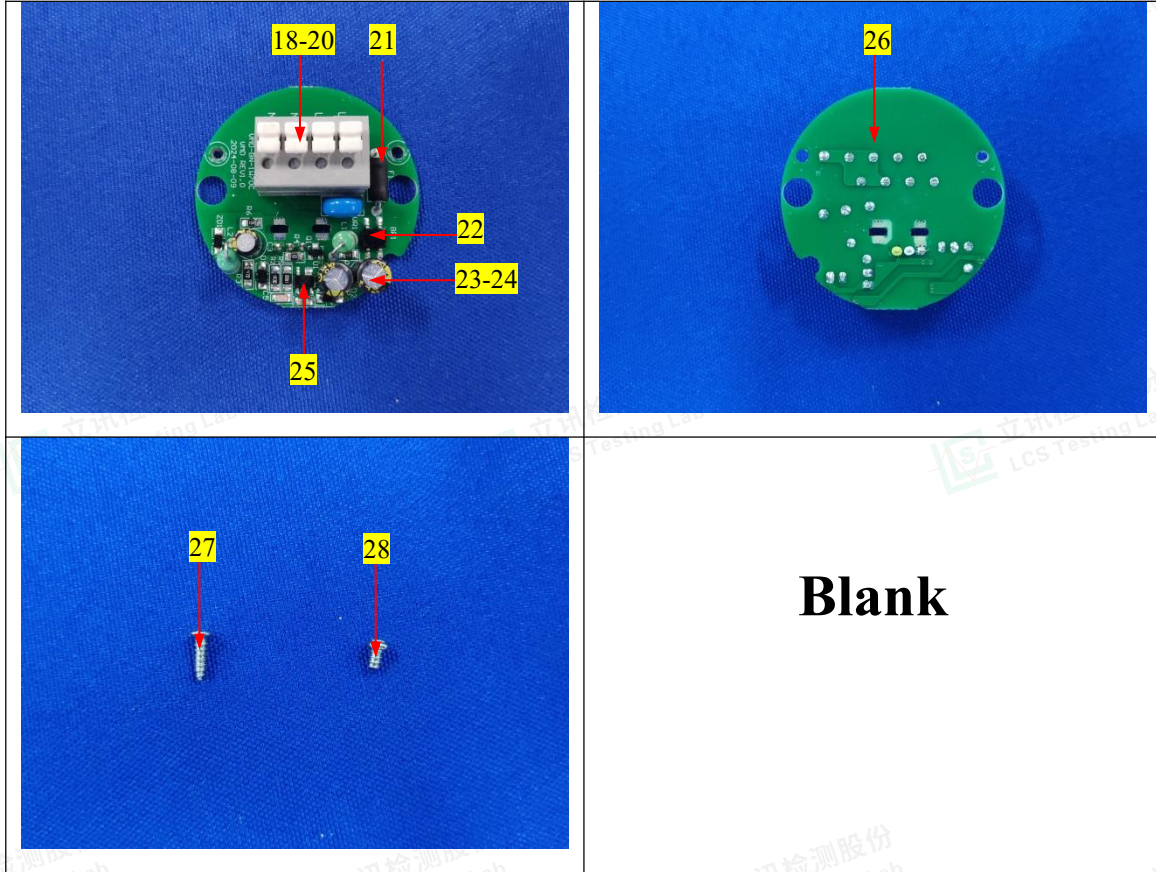
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\*\*\* End of Report \*\*\*

