



Test Report

Report No. A2230355012142008

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Company Name DONGGUAN AILLEN ELECTRONIC TECHNOLOGY CO., LTD.

shown on Report

Address NO.28, JINGGANG ZHONG ROAD, SHATIAN TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE, P. R. CHINA

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

Sample Name Dip Aluminum Electrolytic Capacitor (medium and high voltage)

Sample Received Date Jul. 21, 2023

Testing Period Jul. 21, 2023 to Aug. 16, 2023

Test Requested As specified by client, to screen the 235 substances of very high concern (SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Summary According to the analytical results, concentrations of 235 SVHC substances are all less than 0.1% (w/w) in the submitted sample(s).

Approved by

Date

Aug. 21, 2023

Hill Zheng
Technical Manager

No. R450141052

Centre Testing International Group Co., Ltd.

Inspection & Testing Services

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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Test Result(s)

| Batch | No. | Substance Name(s) | CAS No. | EC No. | Concentration (%) | Report Limit (%) |
|--------|-----|--|--------------------------------------|------------------------|--------------------|------------------|
| | | | | | 008 | |
| III | 30 | Boric acid* | 10043-35-3 11113-50-1 | 233-139-2 234-343-4 | N.D.* ¹ | 0.01 |
| III | 31 | ² Disodium tetraborate, anhydrous***** | 1330-43-4 12179-04-3 1303-96-4 | 215-540-4 | N.D.* ¹ | 0.01 |
| III | 32 | ² Tetraboron disodium heptaoxide, hydrate***** | 12267-73-1 | 235-541-3 | N.D.* ¹ | 0.01 |
| VII | 74 | Diboron trioxide* | 1303-86-2 | 215-125-8 | N.D.* ¹ | 0.01 |
| XI | 154 | ² Sodium perborate; perboric acid, sodium salt***** | 15120-21-5 11138-47-9 | 239-172-9 234-390-0 | N.D.* ¹ | 0.01 |
| XI | 155 | ² Sodium peroxometaborate***** | 7632-04-4 | 231-556-4 | N.D.* ¹ | 0.01 |
| XIX | 186 | Disodium octaborate* | 12008-41-2 | 234-541-0 | N.D.* ¹ | 0.01 |
| XXV | 218 | Orthoboric acid, sodium salt * | 13840-56-7 | 237-560-2 | N.D.* ¹ | 0.01 |
| XXVIII | 228 | Barium diboron tetraoxide* | 13701-59-2 | 237-222-4 | N.D.* ¹ | 0.01 |
| - | - | Other tested SVHC (See the candidate list) | - | - | N.D. | - |

Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A: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, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, HPLC-DAD and LC-MS-MS.

Sample/Part Description

| No. | CTI Sample ID | Description |
|-----|---------------|--|
| 1 | 008 | Mixed test, dark brown body with white printing and metal pin with silvery plating |

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Remark:

1. 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.
2. w/w = weight by weight; 0.1% = 1000 mg/kg = 1000 ppm
3. N.D. = Not Detected (<report limit)
4. *: 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, [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] by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monoctyl Tins(MOT)).
5. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
6. ***: C.I.: Colour Index
7. ****: Light fractions from distillation
8. *****: Concentration value of Disodiumtetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodiumtetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
9. ▲: Concentration value of Formaldehyde, oligomeric reaction products with aniline 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 are 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 need to be further confirmed by checking MSDS or requesting from suppliers.
11. ②: In view of the substance contain variable substances, the test results are calculated based on 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. *¹: The sample contains Boron. According to the declaration of the client, the element Boron in the submitted sample does not exist in the form of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide; Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate; Disodium octaborate; Orthoboric acid, sodium salt; Barium diboron tetraoxide.

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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 10588-01-9 | 234-190-3 | 0.01 |
| I | 8 | 5-tert-butyl-2,4,6-trinitro-m-xylene (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 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8) | 247-148-4 221-695-9 | 0.005 |
| I | 11 | Alkanes, C10-13, chloro (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 | ^① Anthracene oil | 90640-80-5 | 292-602-7 | 0.05 |
| II | 17 | ^① Anthracene oil, anthracene paste, distn. lights **** | 91995-17-4 | 295-278-5 | 0.05 |
| II | 18 | ^① Anthracene oil, anthracene paste,anthracene fraction | 91995-15-2 | 295-275-9 | 0.05 |
| II | 19 | ^① Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | 0.05 |
| II | 20 | ^① Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | 0.05 |
| II | 21 | ^① Pitch, coal tar, high-temp. | 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 | ^② Lead chromate | 7758-97-6 | 231-846-0 | 0.05 |
| II | 26 | ^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*** | 12656-85-8 | 235-759-9 | 0.05 |
| II | 27 | ^② 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 11113-50-1 | 233-139-2 234-343-4 | 0.01 |
| III | 31 | ^② Disodium tetraborate, anhydrous***** | 1330-43-4 12179-04-3 1303-96-4 | 215-540-4 | 0.01 |
| III | 32 | ^② 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 |

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| Batch | No. | Substance Name(s) | CAS No. | EC No. | Report Limit (%) |
|-------|-----|--|-------------------------|------------------------|------------------|
| 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 |
| 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 | ^① Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* | 7738-94-5 13530-68-2 | 231-801-5 236-881-5 | 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 | ^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 | 0.01 |
| V | 48 | Hydrazine | 7803-57-8 302-01-2 | 206-114-9 | 0.01 |
| V | 49 | 1-methyl-2-pyrrolidone (NMP) | 872-50-4 | 212-828-1 | 0.01 |
| V | 50 | 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | 0.01 |
| V | 51 | ^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 276-158-1 | 0.01 |
| VI | 52 | Dichromium tris(chromate)* | 24613-89-6 | 246-356-2 | 0.01 |
| VI | 53 | Potassium hydroxyoctaoxidizincatedichromate* | 11103-86-9 | 234-329-8 | 0.01 |
| VI | 54 | Pentazinc chromate octahydroxide* | 49663-84-5 | 256-418-0 | 0.01 |
| VI | 55 | ^② Aluminosilicate Refractory Ceramic Fibres (RCF) ** | - | - | 0.05 |
| VI | 56 | ^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) ** | - | - | 0.05 |
| VI | 57 | ^① Formaldehyde, oligomeric reaction products with aniline [▲] | 25214-70-4 | 500-036-1 | 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 | 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 |
| 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 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | 202-918-9 | 0.005 |
| VI | 68 | Phenolphthalein | 77-09-8 | 201-004-7 | 0.005 |
| VI | 69 | Lead diazide, Lead azide* | 13424-46-9 | 236-542-1 | 0.01 |
| VI | 70 | 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 |

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| Batch | No. | Substance Name(s) | CAS No. | EC No. | Report Limit (%) |
|-------|-----|---|--|--|------------------|
| VII | 76 | Lead(II) bis(methanesulfonate)* | 17570-76-2 | 401-750-5 | 0.01 |
| VII | 77 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 2451-62-9 | 219-514-3 | 0.01 |
| VII | 78 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC) | 59653-74-6 | 423-400-0 | 0.01 |
| VII | 79 | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | 0.01 |
| VII | 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 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. Basic Violet 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] dimethylammonium chloride(C.I. Basic Blue 26)*** | 2580-56-5 | 219-943-6 | 0.01 |
| VII | 83 | α,α -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 | ^① 4-Nonylphenol, branched and linear [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 | 87 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA) | 123-77-3 | 204-650-8 | 0.05 |
| VIII | 88 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | - | - | 0.05 |
| VIII | 89 | Henicosaflluoroundecanoic acid | 2058-94-8 | 218-165-4 | 0.05 |
| VIII | 90 | Pentacosaflluorotridecanoic acid | 72629-94-8 | 276-745-2 | 0.05 |
| VIII | 91 | Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride | 85-42-7 13149-00-3 14166-21-3 | 201-604-9 236-086-3 238-009-9 | 0.05 |
| VIII | 92 | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride | 25550-51-0 19438-60-9 48122-14-1 57110-29-9 | 247-094-1 243-072-0 256-356-4 260-566-1 | 0.05 |
| VIII | 93 | Heptacosaflluorotetradecanoic acid | 376-06-7 | 206-803-4 | 0.05 |
| VIII | 94 | Diisopentylphthalate(DIPP) | 605-50-5 | 210-088-4 | 0.05 |
| VIII | 95 | ^① 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 | 0.05 |
| VIII | 96 | n-pentyl-isopentylphthalate | 776297-69-9 | 933-378-9 | 0.05 |
| VIII | 97 | Methoxyacetic acid | 625-45-6 | 210-894-6 | 0.05 |

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|-------|-----|---|-------------|-----------|------------------|
| VIII | 98 | Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 | 0.05 |
| VIII | 99 | 1,2-diethoxyethane | 629-14-1 | 211-076-1 | 0.05 |
| VIII | 100 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | 0.05 |
| VIII | 101 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 95-80-7 | 202-453-1 | 0.05 |
| VIII | 102 | N-methylacetamide | 79-16-3 | 201-182-6 | 0.05 |
| VIII | 103 | Pentalead tetraoxide sulphate* | 12065-90-6 | 235-067-7 | 0.01 |
| VIII | 104 | Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | 0.05 |
| VIII | 105 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 88-85-7 | 201-861-7 | 0.05 |
| VIII | 106 | Dioxobis(stearato)trilead* | 12578-12-0 | 235-702-8 | 0.01 |
| VIII | 107 | Lead dinitrate* | 10099-74-8 | 233-245-9 | 0.01 |
| VIII | 108 | Tetralead trioxide sulphate* | 12202-17-4 | 235-380-9 | 0.01 |
| VIII | 109 | Lead monoxide (lead oxide)* | 1317-36-8 | 215-267-0 | 0.01 |
| VIII | 110 | Lead titanium trioxide* | 12060-00-3 | 235-038-9 | 0.01 |
| VIII | 111 | 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 | 0.05 |
| VIII | 112 | Acetic acid, lead salt, basic* | 51404-69-4 | 257-175-3 | 0.01 |
| VIII | 113 | Dimethyl sulphate | 77-78-1 | 201-058-1 | 0.05 |
| VIII | 114 | Furan | 110-00-9 | 203-727-3 | 0.05 |
| VIII | 115 | Pyrochlore, antimony lead yellow* | 8012-00-8 | 232-382-1 | 0.01 |
| VIII | 116 | Tetraethyllead* | 78-00-2 | 201-075-4 | 0.01 |
| VIII | 117 | [Phthalato(2-)]dioxotrilead* | 69011-06-9 | 273-688-5 | 0.01 |
| VIII | 118 | Diethyl sulphate | 64-67-5 | 200-589-6 | 0.05 |
| VIII | 119 | Lead cyanamidate* | 20837-86-9 | 244-073-9 | 0.01 |
| VIII | 120 | Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped* | 68784-75-8 | 272-271-5 | 0.01 |
| VIII | 121 | Trilead dioxide phosphonate* | 12141-20-7 | 235-252-2 | 0.01 |
| VIII | 122 | <i>o</i> -Toluidine | 95-53-4 | 202-429-0 | 0.05 |
| VIII | 123 | <i>o</i> -aminoazotoluene | 97-56-3 | 202-591-2 | 0.05 |
| VIII | 124 | 4-aminoazobenzene | 60-09-3 | 200-453-6 | 0.05 |
| VIII | 125 | 6-methoxy- <i>m</i> -toluidine (<i>p</i> -cresidine) | 120-71-8 | 204-419-1 | 0.05 |
| VIII | 126 | Dibutyltin dichloride (DBTC)* | 683-18-1 | 211-670-0 | 0.05 |
| VIII | 127 | Lead titanium zirconium oxide* | 12626-81-2 | 235-727-4 | 0.01 |
| VIII | 128 | Methyloxirane (Propylene oxide) | 75-56-9 | 200-879-2 | 0.05 |
| VIII | 129 | 1-bromopropane (n-propyl bromide) | 106-94-5 | 203-445-0 | 0.05 |
| VIII | 130 | Trilead bis(carbonate)dihydroxide* | 1319-46-6 | 215-290-6 | 0.01 |
| VIII | 131 | Fatty acids, C16-18, lead salts* | 91031-62-8 | 292-966-7 | 0.01 |
| VIII | 132 | Orange lead (lead tetroxide)* | 1314-41-6 | 215-235-6 | 0.01 |
| VIII | 133 | Sulfurous acid, lead salt, dibasic* | 62229-08-7 | 263-467-1 | 0.01 |
| VIII | 134 | 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 | 0.05 |
| VIII | 135 | Lead oxide sulfate* | 12036-76-9 | 234-853-7 | 0.01 |
| VIII | 136 | Lead bis(tetrafluoroborate)* | 13814-96-5 | 237-486-0 | 0.01 |
| VIII | 137 | Silicic acid, lead salt* | 11120-22-2 | 234-363-3 | 0.01 |
| VIII | 138 | N,N-dimethylformamide | 68-12-2 | 200-679-5 | 0.05 |
| IX | 139 | Cadmium | 7440-43-9 | 231-152-8 | 0.01 |
| IX | 140 | Cadmium oxide* | 1306-19-0 | 215-146-2 | 0.01 |
| IX | 141 | Dipentyl phthalate (DPP) | 131-18-0 | 205-017-9 | 0.01 |

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|-------|-----|--|--------------------------|------------------------|------------------|
| IX | 142 | ^① 4-Nonylphenol, branched and linear, ethoxylated[<i>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</i>] | - | - | 0.05 |
| IX | 143 | Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 223-320-4 | 0.01 |
| IX | 144 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 206-397-9 | 0.01 |
| X | 145 | ^① Trixylyl phosphate | 25155-23-1 | 246-677-8 | 0.01 |
| X | 146 | 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 | 147 | Dihexyl phthalate | 84-75-3 | 201-559-5 | 0.01 |
| X | 148 | Cadmium sulphide* | 1306-23-6 | 215-147-8 | 0.01 |
| X | 149 | 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 | 150 | Lead di(acetate)* | 301-04-2 | 206-104-4 | 0.01 |
| X | 151 | Imidazolidine-2-thione (2-imidazoline-2-thiol) | 96-45-7 | 202-506-9 | 0.01 |
| XI | 152 | ^① 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 | ^② Sodium perborate; perboric acid, sodium salt***** | 15120-21-5 11138-47-9 | 239-172-9 234-390-0 | 0.01 |
| XI | 155 | ^② Sodium peroxometaborate***** | 7632-04-4 | 231-556-4 | 0.01 |
| XII | 156 | 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (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 |
| XII | 158 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)* | 15571-58-1 | 239-622-4 | 0.05 |
| XII | 159 | Cadmium fluoride* | 7790-79-6 | 232-222-0 | 0.01 |
| XII | 160 | Cadmium sulphate* | 10124-36-4 31119-53-6 | 233-331-6 | 0.01 |
| XII | 161 | ^① 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)* | - | - | 0.05 |
| XIII | 162 | ^① 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 68648-93-1 | 271-094-0 272-013-1 | 0.05 |

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| Batch | No. | Substance Name(s) | CAS No. | EC No. | Report Limit (%) |
|-------|-----|--|-------------------------------------|-----------------------------|------------------|
| XIII | 163 | ^① 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-oiic-acid and its sodium and ammonium salts | 375-95-1 21049-39-8 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 | 4,4'-isopropylidenediphenol (bisphenol A; BPA) | 80-05-7 | 201-245-8 | 0.01 |
| XVI | 171 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 3108-42-7 335-76-2 3830-45-3 | 221-470-5 206-400-3 - | 0.01 |
| XVI | 172 | <i>p</i> -(1,1-dimethylpropyl)phenol | 80-46-6 | 201-280-9 | 0.01 |
| XVI | 173 | ^① 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 |
| XVII | 174 | Perfluorohexane-1-sulphonic acid and its salts (PFHxS) | - | - | 0.0005 |
| 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 | 200-280-6 | 0.01 |
| XVIII | 177 | Cadmium nitrate* | 10325-94-7 | 233-710-6 | 0.01 |
| XVIII | 178 | Cadmium carbonate* | 513-78-0 | 208-168-9 | 0.01 |
| XVIII | 179 | Cadmium hydroxide* | 21041-95-2 | 244-168-5 | 0.01 |
| XVIII | 180 | Chrysene | 218-01-9 | 205-923-4 | 0.01 |
| XVIII | 181 | ^① 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 |
| XIX | 182 | Octamethylcyclotetrasiloxane (D4) | 556-67-2 | 209-136-7 | 0.01 |
| XIX | 183 | Decamethylcyclopentasiloxane (D5) | 541-02-6 | 208-764-9 | 0.01 |
| XIX | 184 | Dodecamethylcyclohexasiloxane (D6) | 540-97-6 | 208-762-8 | 0.01 |
| XIX | 185 | Lead | 7439-92-1 | 231-100-4 | 0.01 |
| XIX | 186 | Disodium octaborate* | 12008-41-2 | 234-541-0 | 0.01 |
| XIX | 187 | Benzo[ghi]perylene | 191-24-2 | 205-883-8 | 0.01 |
| XIX | 188 | ^① Terphenyl, hydrogenated | 61788-32-7 | 262-967-7 | 0.01 |
| XIX | 189 | Ethylenediamine (EDA) | 107-15-3 | 203-468-6 | 0.01 |

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| Batch | No. | Substance Name(s) | CAS No. | EC No. | Report Limit (%) |
|-------|-----|--|---|-------------------------------------|------------------|
| XIX | 190 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA) | 552-30-7 | 209-008-0 | 0.01 |
| XIX | 191 | Dicyclohexyl phthalate (DCHP) | 84-61-7 | 201-545-9 | 0.01 |
| XX | 192 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | 401-720-1 | 0.01 |
| XX | 193 | Benzo[k]fluoranthene | 207-08-9 | 205-916-6 | 0.01 |
| XX | 194 | Fluoranthene | 206-44-0 | 205-912-4 | 0.01 |
| XX | 195 | Phenanthrene | 85-01-8 | 201-581-5 | 0.01 |
| XX | 196 | Pyrene | 129-00-0 | 204-927-3 | 0.01 |
| XX | 197 | 1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC) | 15087-24-8 | 239-139-9 | 0.01 |
| XXI | 198 | 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 | 199 | 2-methoxyethyl acetate | 110-49-6 | 203-772-9 | 0.01 |
| XXI | 200 | 4-tert-butylphenol | 98-54-4 | 202-679-0 | 0.01 |
| XXI | 201 | ^① 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'-morpholinobutyrophenone | 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 | 71850-09-4 | 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 | Diocetyl tin 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 * | - | - | 0.05 |
| XXV | 212 | 1,4-dioxane | 123-91-1 | 204-661-8 | 0.01 |
| XXV | 213 | 2,2-bis(bromomethyl) propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA) | 3296-90-0 36483-57-5 1522-92-5 96-13-9 | 221-967-7 253-057-0 202-480-9 | 0.01 |
| XXV | 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | - | - | 0.01 |
| XXV | 215 | 4,4'-(1-methylpropylidene)bisphenol (bisphenol B) | 77-40-7 | 201-025-1 | 0.01 |
| XXV | 216 | Glutaral | 111-30-8 | 203-856-5 | 0.01 |
| XXV | 217 | ^① Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17] | - | - | 0.01 |

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| Batch | No. | Substance Name(s) | CAS No. | EC No. | Report Limit (%) |
|--------|-----|--|-------------|-----------|------------------|
| XXV | 218 | Orthoboric acid, sodium salt * | 13840-56-7 | 237-560-2 | 0.01 |
| XXV | 219 | ^① Phenol, alkylation products (mainly in para position) with C12-rich branched or linear 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 ^{2,6}] ^{2,6} 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-diylbisoxo]bis [2,4,6-tribromobenzene] | 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 (BPS) | 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 | 0.05 |
| 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 | 0.05 |
| XXIX | 234 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | 278-355-8 | 0.01 |
| XXIX | 235 | Bis(4-chlorophenyl) sulphone | 80-07-9 | 201-247-9 | 0.01 |

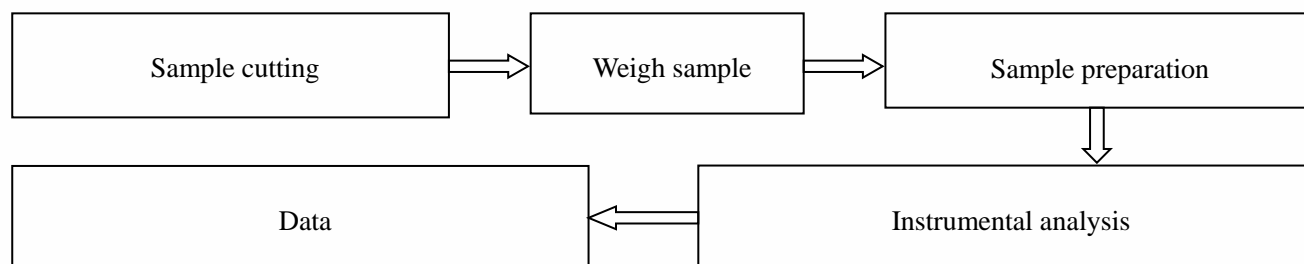
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Appendix:

1. 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).
 - 1) 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.
 - 2) 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.
2. 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 3 and Annex II of REACH.
3. 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.
 - 1) 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 1999/45/EC.
 - 2) 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 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.

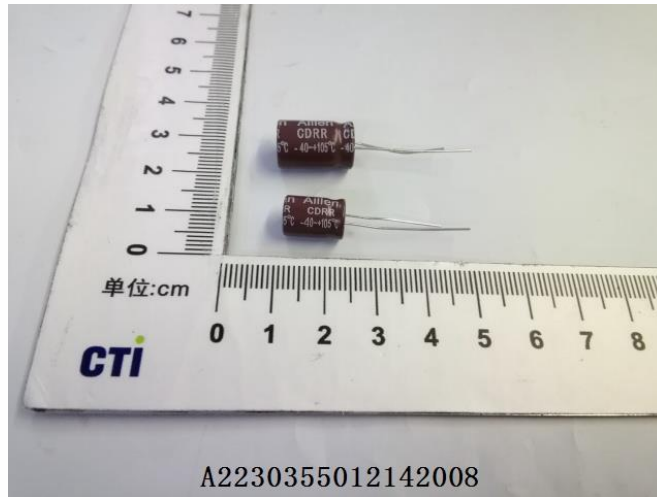
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Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full;
5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***