# Test Report



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|---|---|---|
| **Applicant** | : | MASSPHOTON LIMITED |
| **Address** | : | Unit 542, 5f, Building 5W, Phase One, Hong Kong Science Park, New Teritories, Hong Kong |
| **Manufacturer** | : | XUZHOU LIYU ADVANCED TECHNOLOGY CO., LTD |
| **Address** | : | lst floor, No l,Electroni Infonmation Building, No.5 Jingei Road, Xuzhou High techIndustrialDevelopcent Zone Xuzhou, Jiangsu 221100.China |

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

| | | |
|---|---|---|
| **Sample Name** | : | Water sterilization module |
| **Trade Mark** | : | / |
| **Main of Model** | : | LY-UVC-1.5L |
| **Additional Model** | : | LY-UVC-01,LY-UVC-02,LY-UVC-03,LY-UVC-04,LY-UVC-05,LY-UVC-06,LY-UVC-07,LY-UVC-08 |
| **Sample Received Date** | : | Sept.20,2024 |
| **Testing Period** | : | Sept.20,2024 To Sept.27,2024 |
| **Test Requested** | : | As requested by client, SVHC screening is performed according to: Test the content of 241 Substances of High Concern (SVHC) published by the European Chemicals Agency (ECHA on 23 January 2024) in accordance with EU REACH Regulation (EC) No.1907 / 2006. The concentration of the substance of high concern (of 241 SVHC) was less than 0.1% (w / w) for the specified range and analytical technique. |
| **Test Method** | : | Please refer to next page(s). |
| **Test Result** | : | Please refer to next page(s). |
| **Summary** | : | According to the specified scope and analytical techniques,the test results of SVHC are ≤0.1%(w/w)in the submitted sample. |

**Signed for and on behalf of**

**Chen liang- Approved Signator**

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**Test method and Test equipment:**

| No. | Test Item | CAS No. | Test Method | Test Equipment |
|---|---|---|---|---|
| 1 | Anthracene | 120-12-7 | AFPS GS 2014:01 PAK | GC-MS |
| 2 | 4,4'-Diaminodiphenylmenthane | 101-77-9 | EN ISO 14362-1:2017 | GC-MS |
| 3 | Dibuty1 phthalate (DBP) | 84-74-2 | EN 14372:2004 | GC-MS |
| 4 | 5-tert-buty1-2,4,6-trinitro-m-Xylene(musk xylene) | 81-15-2 | EPA 3550C:2007 | GC-MS |
| 5 | Bis(2-ethyl(phthalate)(DEHP) | 117-81-7 | EN 14372:2004 | GC-MS |
| 6 | Hexabromocyclododecane (HBCDD) | 25637-99-4 3194-55-6 (134237-51-7, 34237-50-6, 134237-52-8) | EPA 3550C:2007 | GC-MS |
| 7 | Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins) | 85535-84-8 | EPA 8082A:2007 /EPA 8081B:2007 | GC-MS |
| 8 | Benzyl butyl phthalate (BBP) | 85-68-7 | EN 14372:2004 | GC-MS |
| 9 | Bis(tributyltin)oxide | 56-35-9 | BS ISO 17353:2004 | GC-MS |
| 10 | Cobalt dichloride | 7646-79-9 | EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 | ICP-OES IC-ECD |
| 11 | Diarsenic pentaoxide | 1303-28-2 | EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 | ICP-OES |
| 12 | Diarsenic trioxide | 1327-53-3 | EPA 3052:1996 | ICP-OES |
| 13 | Triethyl arsenate | 15606-95-8 | EPA 3052:1996 | ICP-OES |
| 14 | Lead hydrogen arsenate | 7784-40-9 | EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 | ICP-OES |
| 15 | Sodium dichromate, dihydrate | 10588-01-9 | EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 / EPA 3060A:1996 | ICP-OES Uv-Vis |

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|---|---|---|---|---|
| 16 | Anthracene oil | 90640-80-5 | AFPS GS 2014:01 PAK | GC-MS |
| 17 | Anthracene oil, anthracene paste, distn. Lights | 91995-17-4 | AFPS GS 2014:01 PAK | GC-MS |
| 18 | Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | AFPS GS 2014:01 PAK | GC-MS |
| 19 | Anthracene oil, anthracene-low | 90640-82-7 | AFPS GS 2014:01 PAK | GC-MS |
| 20 | Anthracene oil, anthracene paste | 90640-81-6 | AFPS GS 2014:01 PAK | GC-MS |
| 21 | Diisobutyl phthalate | 84-69-5 | EN 14372:2004 | GC-MS |
| 22 | 2,4-Dinitrotoluene | 121-14-2 | EPA 3540C:1996 | GC-MS |
| 23 | coal tar pitch,high temperature | 65996-93-2 | AFPS GS 2014:01 PAK | GC-MS |
| 24 | tris(2-chloroethyl)phosphate | 115-96-8 | EPA 3540C:1996 | GC-MS |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996 | ICP-OES Uv-Vis |
| 26 | Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 12656-85-8 | EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996 | ICP-OES Uv-Vis |
| 27 | Lead chromate | 7758-97-6 | EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996 | ICP-OES Uv-Vis |
| 28 | Acrylamide | 79-06-1 | EPA 3550C:2007 | GC-MS |
| 29 | Trichloroethylene | 79-01-6 | EPA 3550C:2007 | GC-MS |
| 30 | Boric acid | 11113-50-1 | EPA 3051A:2007 | ICP-OES |
| 31 | Disodium tetraborate, anhydrou | 12179-04-3 | EPA 3051A:2007 | ICP-OES |

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|---|---|---|---|---|
| 32 | tetraboron disodium heptaoxide hydrate | 12267-73-1 | EPA 3051A:2007 | ICP-OES |
| 33 | Sodium chromate | 7775-11-3 | EPA 3051A:2007 | ICP-OES |
| 34 | Potassium chromate | 7789-00-6 | EPA 3051A:2007 | ICP-OES |
| 35 | Ammonium dichromate | 7789-09-5 | EPA 3051A:2007 | ICP-OES |
| 36 | Potassium dichromate | 7778-50-9 | EPA 3051A:2007 | ICP-OES |
| 37 | Cobalt sulfate | 10124-43-3 | EPA 3051A:2007 | ICP-OES |
| 38 | Cobalt dinitrat | 10141-05-6 | EPA 3051A:2007 | ICP-OES |
| 39 | Cobalt carbonate | 513-79-1 | EPA 3051A:2007 | ICP-OES |
| 40 | Cobalt diacetate | 71-48-7 | EPA 3051A:2007 | ICP-OES |
| 41 | 2-Methoxyethanol | 109-86-4 | EPA 3540C:1996 | GC-MS |
| 42 | 2-Ethoxyethanol | 110-80-5 | EPA 3540C:1996 | GC-MS |
| 43 | Chromium trioxide | 1333-82-0 | EPA 3060A:1996 | Uv-Vis |
| 44 | Chromic acid | 7738-94-5 | EPA 3060A:1996 | Uv-Vis |
| | Dichromic acid | 13530-68-2 | | |
| | Oligomers of chromicacid and dichromic acid | -- | | |
| 45 | 2- ethoxyethyl acetate | 111-15-9 | EPA 3550C:2007 | GC-MS |
| 46 | strontium chromate | 7789-06-2 | EPA 3051A:2007 | ICP-OES |
| 47 | 1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters | 68515-42-4 | EPA 3550C:2007 | GC-MS |

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|---|---|---|---|---|
| 48 | Hydrazine | 7803-57-8<br>302-01-2 | EPA 3540C:1996 | GC-MS |
| 49 | 1-Methyl-2-pyrrolidinone | 872-50-4 | EPA 3550C:2007 | GC-MS |
| 50 | 1,2,3-trichloropropane | 96-18-4 | EPA 3540C:1996 | GC-MS |
| 51 | 1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters,C7-rich | 71888-89-6 | EPA 3550C:2007 | GC-MS |
| 52 | Zirconia Aluminosilicate Refractory Ceramic Fibres | -- | EPA 3051A:2007 | ICP-OES |
| 53 | Calcium arsenate | 7778-44-1 | EPA 3051A:2007 | ICP-OES |
| 54 | Bis(2-methoxyethyl) ether | 111-96-6 | EPA 3540C:1996 | GC-MS |
| 55 | Aluminosilicate Refractory Ceramic Fibres | -- | EPA 3051A:2007 | ICP-OES |
| 56 | Chromate, hydroxyoctaoxodizincatedi-, potassium | 11103-86-9 | EPA 3051A:2007 | ICP-OES |
| 57 | Lead dipicrate | 6477-64-1 | EPA 3051A:2007 | ICP-OES |
| 58 | N,N-dimethylacetamide | 127-19-5 | EPA 3540C:1996 | GC-MS |
| 59 | Arsenic acid | 7778-39-4 | EPA 3051A:2007 | ICP-OES |
| 60 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | EPA 3540C:1996 | GC-MS |
| 61 | Trilead diarsenate | 3687-31-8 | EPA 3540C:1996 | GC-MS |
| 62 | 1,2-dichloroethane | 107-06-2 | EPA 3540C:1996 | GC-MS |
| 63 | Pentazinc chromate octahydroxide | 49663-84-5 | EPA 3052:1996 | ICP-OES |
| 64 | 4-(1,1,3,3-tetramethylbutyl)phenol | 140-66-9 | EPA 3540C:1996 | GC-MS |

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|---|---|---|---|---|
| 65 | Formaldehyde, oligomeric reaction products aniline | 25214-70-4 | EPA 3060A:1996<br>EPA 3540C:1996 | UV-Vis<br>GC-MS |
| 66 | Bis(2-methoxyethyl) phthalate | 117-82-8 | EPA 3540C:1996 | GC-MS |
| 67 | Lead diazide, Lead azide | 13424-46-9 | EPA 3052:1996 | ICP-OES |
| 68 | Lead styphnate | 15245-44-0 | EPA 3052:1996 | ICP-OES |
| 69 | 2,2'-dichloro-4,4'-methylenedianiline | 101-14-4 | EPA 3540C:1996 | GC-MS |
| 70 | Phenolphthalein | 77-09-8 | EPA 3540C:1996 | GC-MS |
| 71 | Dichromium tris(chromate) | 24613-89-6 | EPA 3052:1996 | ICP-OES |
| 72 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | EPA 3540C:1996 | GC-MS |
| 73 | 1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME) | 110-71-4 | EPA 3540C:1996 | GC-MS |
| 74 | Diboron trioxide | 1303-86-2 | EPA 3052:1996 | ICP-OES |
| 75 | Formamide | 75-12-7 | EPA 3540C:1996 | GC-MS |
| 76 | Lead(II)bis(methanesulfonate) | 17570-76-2 | EPA 3052:1996 | ICP-OES |
| 77 | TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | 2451-62-9 | EPA 3540C:1996 | GC-MS |
| 78 | β-TGIC(1,3,5-tris [(2Sand2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) | 59653-74-6 | EPA 3540C:1996 | GC-MS |
| 79 | 4,4'-bis(dimethylamino) benzophenone(Michler's ketone) | 90-94-8 | EPA 3540C:1996 | GC-MS |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedi aniline (Michler's base) | 101-61-1 | EPA 3540C:1996 | GC-MS |
| 81 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) | 548-62-9 | EPA 3540C:1996 | GC-MS |

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|---|---|---|---|---|
| 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 | EPA 3540C:1996 | GC-MS |
| 83 | α,α-Bis[4-(dimethylamino)phenyl] -4 (phenylamino)naphthalene -1-methanol (C.I. Solvent Blue 4) | 6786-83-0 | EPA 3540C:1996 | GC-MS |
| 84 | 4,4'-bis(dimethylamino)-4"-(methylami no)trityl alcohol | 561-41-1 | EPA 3540C:1996 | GC-MS |
| 85 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3 -oxazolidine | 143860-04-2 | EPA 3540C:1996 | GC-MS |
| 86 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 95-80-7 | EPA 3540C:1996 | GC-MS |
| 87 | N-methylacetamide | 79-16-3 | EPA 3540C:1996 | GC-MS |
| 88 | Pentalead tetraoxide sulphate | 12065-90-6 | EPA 3052:1996 | ICP-OES |
| 89 | Biphenyl-4-ylamine | 202-177-1 | EPA 3540C:1996 | GC-MS |
| 90 | Dinoseb | 88-85-7 | EPA 3540C:1996 | GC-MS |
| 91 | Dioxobis(stearato)trilead | 12578-12-0 | EPA 3052:1996 | ICP-OES |
| 92 | Lead dinitrate | 10099-74-8 | EPA 3052:1996 | ICP-OES |
| 93 | Tetralead trioxide sulphate | 12202-17-4 | EPA 3052:1996 | ICP-OES |
| 94 | Lead oxide (lead monoxide) | 1317-36-8 | EPA 3052:1996 | ICP-OES |
| 95 | Lead titanium trioxide | 12060-00-3 | EPA 3052:1996 | ICP-OES |
| 96 | 4,4'-methylenedi-o-toluidine | 838-88-0 | EPA 3540C:1996 | GC-MS |
| 97 | Acetic acid, lead salt, basic | 51404-69-4 | EPA 3052:1996 | ICP-OES |
| 98 | Dimethyl sulphate | 77-78-1 | EPA 3540C:1996 | GC-MS |

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|---|---|---|---|---|
| 99 | Furan | 110-00-9 | EPA 3540C:1996 | GC-MS |
| 100 | Pyrochlore, antimony lead yellow | 8012-00-8 | EPA 3540C:1996 | GC-MS |
| 101 | Tetraethyllead | 78-00-2 | EPA 3052:1996 | ICP-OES |
| 102 | [Phthalato(2-)]dioxotrilead | 69011-06-9 | EPA 3052:1996 | ICP-OES |
| 103 | Diethyl sulphate | 64-67-5 | EPA 3540C:1996 | GC-MS |
| 104 | Lead cynamidate | 20837-86-9 | EPA 3052:1996 | ICP-OES |
| 105 | Silicic acid, barium salt, lead-doped | 68784-75-8 | EPA 3052:1996 | ICP-OES |
| 106 | Trilead dioxide phosphonate | 12141-20-7 | EPA 3052:1996 | ICP-OES |
| 107 | o-Toluidine; 2-Aminotoluene | 95-53-4 | EPA 3540C:1996 | GC-MS |
| 108 | o-aminoazotoluene | 97-56-3 | EPA 3540C:1996 | GC-MS |
| 109 | 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-03 | EPA 3540C:1996 | GC-MS |
| 110 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | EPA 3540C:1996 | GC-MS |
| 111 | Dibutyltin dichloride (DBT) | 683-18-1 | EPA 3540C:1996 | GC-MS |
| 112 | Lead Titanium Zirconium Oxide | 12626-81-2 | EPA 3052:1996 | ICP-OES |
| 113 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | EPA 3540C:1996 | GC-MS |
| 114 | 1-bromopropane | 106-94-5 | EPA 3540C:1996 | GC-MS |
| 115 | Basic lead carbonate (trilead bis(carbonate)dihydroxide) | 1319-46-6 | EPA 3052:1996 | ICP-OES |
| 116 | Fatty acids, C16-18, lead salts | 91031-62-8 | EPA 3052:1996 | ICP-OES |

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|---|---|---|---|---|
| 117 | Lead tetroxide (orange lead) | 1314-41-6 | EPA 3052:1996 | ICP-OES |
| 118 | Sulfurous acid, lead salt, dibasic | 62229-08-7 | EPA 3052:1996 | ICP-OES |
| 119 | 4,4'-oxydianiline and its salts | 101-80-4 | EPA 3540C:1996 | GC-MS |
| 120 | lead oxide sulphate | 12036-76-9 | EPA 3052:1996 | ICP-OES |
| 121 | Lead bis(tetrafluoroborate) | 13814-96-6 | EPA 3052:1996 | ICP-OES |
| 122 | Silicic acid, lead salt | 11120-22-2 | EPA 3052:1996 | ICP-OES |
| 123 | Bis(pentabromophenyl) ether (DecaBDE) | 1163-19-5 | EPA 3540C:1996 | GC-MS |
| 124 | 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 | -- | EPA 3540C:1996 | GC-MS |
| 125 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | EPA 3540C:1996 | GC-MS |
| 126 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues | -- | EPA 3540C:1996 | GC-MS |
| 127 | 1,2-Diethoxyethane | 629-14-1 | EPA 3540C:1996 | GC-MS |
| 128 | Hexahydromethylphathalic anhydride<br>Hexahydro-4-methylphathalic anhydride<br>Hexahydro-1-methylphathalic anhydride<br>Hexahydro-3-methylphathalic anhydride | 25550-51-0<br>19438-60-9<br>48122-14-1<br>57110-29-9 | EPA 3540C:1996 | GC-MS |
| 129 | Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) | 85-42-7 | EPA 3540C:1996 | GC-MS |

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|---|---|---|---|---|
| 130 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | EPA 3540C:1996 | GC-MS |
| 131 | N-pentyl-isopentylphtalate | -- | EPA 3540C:1996 | GC-MS |
| 132 | Heptacosafluorotetradecanoic acid | 376-06-7 | EPA 3540C:1996 | GC-MS |
| 133 | Pentacosafluorotridecanoic acid | 72629-94-8 | EPA 3540C:1996 | GC-MS |
| 134 | Henicosafluoroundecanoic acid | 2058-94-8 | EPA 3540C:1996 | GC-MS |
| 135 | Tricosafluorododecanoic acid | 307-55-1 | EPA 3540C:1996 | GC-MS |
| 136 | Methoxy acetic acid | 625-45-6 | EPA 3540C:1996 | GC-MS |
| 137 | Diisopentylphthalate | 605-50-5 | EPA 3540C:1996 | GC-MS |
| 138 | N,N-dimethylformamide; dimethyl formamide | 68-12-2 | EPA 3540C:1996 | GC-MS |
| 139 | Cadmium | 7440-43-9 | EPA 3050B:1996 | ICP-OES |
| 140 | Cadmium oxide | 1306-19-0 | EPA 3050B:1996 | ICP-OES |
| 141 | Dipentyl phthalate (DPP) | 131-18-0 | EPA 3540C:1996 | GC-MS |
| 142 | 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] | -- | EPA 3540C:1996 | GC-MS |
| 143 | Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | EPA 3540C:1996 | GC-MS |
| 144 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | EPA 3540C:1996 | GC-MS |

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|---|---|---|---|---|
| 145 | Cadmium Sulfide | 1306-23-6 | EPA 3050B:1996 | ICP-OES |
| 146 | Di-N-Hexyl Phthalate | 84-75-3 | EPA 3540C:1996 | GC-MS |
| 147 | Direct Red 28 | 573-58-0 | EPA 3540C:1996 | GC-MS |
| 148 | Direct Black 38 | 1937-37-7 | EPA 3540C:1996 | GC-MS |
| 149 | Ethlenethiourea | 96-45-7 | EPA 3540C:1996 | GC-MS |
| 150 | Acetic Acid | 301-04-2 | EPA 3050B:1996 | ICP-OES |
| 151 | Trixylyl Phosphate | 25155-23-1 | EPA 3540C:1996 | GC-MS |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4. | EPA 3540C:1996 | GC-MS |
| 153 | Cadmium chloride | 10108-64-2. | EPA 3050B:1996 | ICP-OES |
| 154 | Sodium perborate; perboric acid, sodium salt | -- | EPA 3050B:1996 | ICP-OES |
| 155 | Sodium peroxometaborate | 7632-4-4 | EPA 3050B:1996 | ICP-OES |
| 156 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | EPA 3540C:1996 | GC-MS |
| 157 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | EPA 3540C:1996 | GC-MS |
| 158 | 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) | -- | EPA 3540C:1996 | GC-MS |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | EPA 3540C:1996 | GC-MS |
| 160 | Cadmium fluoride | 7790-79-6 | EPA 3050B:1996 | ICP-OES |

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| 161 | Cadmium sulphate | 10124-36-4, 31119-53-6 | EPA 3050B:1996 | ICP-OES |
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters | 68515-51-5 68648-93-1 | EPA 3540C:1996 | GC-MS |
| 163 | 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] | -- | EPA 3540C:1996 | GC-MS |
| 164 | 1,3-propanesultone | 1120-71-4 | EPA 3540C:1996 | GC-MS |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol | 3864-99-1 | EPA 3540C:1996 | GC-MS |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol | 36437-37-3 | EPA 3540C:1996 | GC-MS |
| 167 | Nitrobenzene | 98-95-3 | EPA 3540C:1996 | GC-MS |
| 168 | Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | EPA 3540C:1996 | GC-MS |
| 169 | Benzo[a]pyrene | 50-32-8 | AFPS GS 2014:01 | GC-MS |
| 170 | 4,4'-isopropylidenediphenol (bisphenol A) | 80-05-7 | EPA 3540C:1996 | GC-MS |
| 171 | 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] | -- | EPA 3050B:1996 | ICP-OES |
| 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 3108-42-7 335-76-2 3830-45-3 | EPA 3540C:1996 | GC-MS |
| 173 | p-(1,1-dimethylpropyl)phenol | 80-46-6 | EPA 3540C:1996 | GC-MS |

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|---|---|---|---|---|
| 174 | Perfluorohexane-1-sulphonic acid and its salts | -- | EPA 3540C:1996 | GC-MS |
| 175 | Benz[a]anthracene | 56-55-3, 1718-53-2 | AfPS GS 2014:01 | GC-MS |
| 176 | Cadmium carbonate | 513-78-0 | EPA 3050B:1996 | ICP-OES |
| 177 | Cadmium hydroxide | 21041-95-2 | EPA 3050B:1996 | ICP-OES |
| 178 | Cadmium nitrate | 10022-68-1, 10325-94-7 | EPA 3050B:1996 | ICP-OES |
| 179 | Chrysene | 218-01-9, 1719-03-5 | EPA 3540C:1996 | GC-MS |
| 180 | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof | -- | EPA 3540C:1996 | GC-MS |
| 181 | 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) | -- | EPA 3050B:1996 | ICP-OES |
| 182 | Octamethylcyclotetrasiloxane D4 | 556-67-2 | EPA 3540C:1996 | GC-MS |
| 183 | Decamethylcyclopentasiloxane D5 | 541-02-6 | EPA 3540C:1996 | GC-MS |
| 184 | Dodecamethylcyclohexasiloxane D6 | 540-97-6 | EPA 3540C:1996 | GC-MS |
| 185 | Lead | 7439-92-1 | EPA 3050B:1996 | ICP-OES |
| 186 | Disodium octaborate | 12008-41-2 | EPA 3050B:1996 | ICP-OES |
| 187 | Benzo[ghi]perylene | 191-24-2 | AFPS GS 2014:01 PAK | GC-MS |
| 188 | Terphenyl, hydrogenated | 61788-32-7 | EPA 3540C:1996 | GC-MS |
| 189 | Ethylenediamine EDA | 107-15-3 | EPA 3540C:1996 | GC-MS |

| No. | Test Item | CAS No. | Test Method | Test Equipment |
|---|---|---|---|---|
| 190 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA | 552-30-7 | EPA 3540C:1996 | GC-MS |
| 191 | Dicyclohexyl phthalate DCHP | 84-61-7 | EPA 3540C:1996 | GC-MS |
| 192 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one | 15087-24-8 | EPA 3540C:1996 | GC-MS |
| 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | EPA 3540C:1996 | GC-MS |
| 194 | Benzo[k]fluoranthene | 207-08-9 | AFPS GS 2014:01 PAK | GC-MS |
| 195 | Fluoranthene | 206-44-0; 93951-69-0 | AFPS GS 2014:01 PAK | GC-MS |
| 196 | Phenanthrene | 85-01-8 | AFPS GS 2014:01 PAK | GC-MS |
| 197 | Pyrene | 129-00-0; 1718-52-1 | AFPS GS 2014:01 PAK | GC-MS |
| 198 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | -- | EPA 3540C:1996 | GC-MS |
| 198 | 2-methoxyethyl acetate | 110-49-6 | EPA 3540C:1996 | GC-MS |
| 199 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | -- | EPA 3540C:1996 | GC-MS |
| 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) | -- | EPA 3540C:1996 | GC-MS |
| 201 | 4-tert-butylphenol | 98-54-4 | EPA 3540C:1996 | GC-MS |
| 202 | Perfluorobutane sulfonic acid (PFBS) and its salts | -- | EPA 3540C:1996 | GC-MS |
| 203 | Diisohexyl phthalate | 71850-09-4 | EPA 3540C:1996 | GC-MS |

| No. | Test Item | CAS No. | Test Method | Test Equipment |
|---|---|---|---|---|
| 204 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | EPA 3540C:1996 | GC-MS |
| 205 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | EPA 3540C:1996 | GC-MS |
| 206 | 1-vinylimidazole | 1072-63-5 | EPA3540C:1996 | GC-MS |
| 207 | 2-methylimidazole | 693-98-1 | EPA3540C:1996 | GC-MS |
| 208 | Butyl 4-hydroxybenzoate | 94-26-8 | EPA3540C:1996 | GC-MS |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 | EPA3540C:1996 | GC-MS |
| 210 | Bis(2-(2-methoxyethoxy)ethl)ether | 143-24-8 | EPA3540C:1996 | GC-MS |
| 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 | -- | EPA3540C:1996 | GC-MS |
| 212 | 1,4-Dioxane (dioxane) | 123-91-1 | EPA3540C:1996 | GC-MS |

| No. | Test Item | CAS No. | Test Method | Test Equipment |
|---|---|---|---|---|
| 213 | 2,2-bis(bromomethyl)-1,3-propanediol (BMP) Tribromoneopentanol (TBNPA) 2,3-Dibromo-1-propanol (2,3-DBPA) | 3296-90-0 (BMP); 36483-57-5/1522-92-5 (TBNPA); 96-13-9 (2,3-DBPA) | EPA3540C:1996 | GC-MS |
| 214 | 2-(4-tert-butylbenzyl) propanal and its stereoisomers | -- | EPA3540C:1996 | GC-MS |
| 215 | 4,4'-(1-methylpropylene) bisphenol; (bisphenol B) | 77-40-7 | EPA3540C:1996 | GC-MS |
| 216 | Glutaraldehyde | 111-30-8 | EPA3540C:1996 | GC-MS |
| 217 | Medium chain chlorinated paraffin (MCCP) [UVCB substance, composed of ≥80% linear chlorinated alkanes, carbon chain length between C14 and C17] | -- | EPA3540C:1996 | GC-MS |
| 218 | Sodium borate | 13840-56-7 | EPA3540C:1996 | GC-MS |
| 219 | Carbon chain (mainly C12, straight chain or branched chain) mainly in the para position of alkylphenol substances and any single isomer or combination (PDDP) | -- | EPA3540C:1996 | GC-MS |
| 220 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 119-47-1 | EPA3540C:1996 | GC-MS |
| 221 | tris(2-methoxyethoxy)vinylsilane | 1067-53-4 | EPA3540C:1996 | GC-MS |
| 222 | (±)-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) | -- | EPA3540C:1996 | GC-MS |
| 223 | S-(tricyclo(5.2.1.0'2,6)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 | EPA3540C:1996 | GC-MS |
| 224 | N-methylolacrylamide | 924-42-5 | EPA3540C:1996 | GC-MS |
| 225 | N-hydroxymethylacrylamide and resorcinol | 924-42-5 | EPA3540C:1996 | GC-MS |
| 226 | 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] | 253-692-3 | 37853-59-1 | vPvB (Article 57e) |
| 227 | 2,2',6,6'-tetrabromo-4,4'- | 201-236-9 | 79-94-7 | Carcinogenic (Article 57a) |

| | | | | |
|---|---|---|---|---|
| | isopropylidenediphenol | | | |

| | | | | |
|---|---|---|---|---|
| 228 | 4,4'-sulphonyldiphenol | 201-250-5 | 80-09-1 | Toxic for reproduction (Article 57c)<br>Endocrine disrupting properties (Article 57(f) - environment)<br>)<br>Endocrine disrupting properties (Article 57(f) - human health) |
| 229 | Barium diboron tetraoxide | 237-222-4 | 13701-59-2 | Toxic for reproduction (Article 57c) |
| 230 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | - | - | vPvB (Article 57e) |
| 231 | Isobutyl 4-hydroxybenzoate | 224-208-8 | 4247-02-3 | Endocrine disrupting properties (Article 57(f) - human health) |
| 232 | Melamine | 203-615-4 | 108-78-1 | Equivalent level of concern having probable serious effects to<br>human health (Article 57(f) - human health) |
| 233 | Perfluoroheptanoic acid and its salts | - | - | Toxic for reproduction (Article 57c) PBT (Article 57d)<br>Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)<br>Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) |
| 234 | 4,4′-dichlorodiphenylsulfone | 80-07-9 | 201-247-9 | For the synthesis of engineering plastics, dyes and polymers, such as, polysulfone, polyether sulfone, polyether ether ketone, etc |

| | | | | |
|---|---|---|---|---|
| 235 | Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide | 75980-60-8 | 278-355-8 | UV curing coating and ink, mostly used in white system, can be used for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, etc.; because the absorption peak of KLTPO is longer than the conventional initiator, the effective absorption peak is 350-400nm, can be absorbed to about 420nm, can be used as a high efficiency light initiator of styrene unsaturated polyester and acrylic resin. Suitable for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, photoresist, photopolymer printing plate, stereoscopic flat plate resin, composite material, tooth filling material, etc. After illumination, benzoyl and phosphoryl radicals can be generated, which can trigger polymerization and accelerate the speed of photobleaching, which can meet the requirements of deep curing of thick film and constant yellow coating. Because of low volatilization, no residue, especially suitable for requiring low odor products and transparent coating |
| 236 | Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide | 75980-60-8 | 278-355-8 | GC-MS |
| 237 | 2,4,6-tri-tert-butylpheno | 211-989-5 | 732-26-3 | GC-MS |
| 238 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol | 221-537-5 | 3147-75-9 | GC-MS |
| 239 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 438-340-0 | 119344-86-4 | GC-MS |
| 240 | Bumetrizole | 223-445-4 | 3896-11-5 | GC-MS |
| 241 | Bis(a,a-dimethylbenzyl) peroxide | 80-43-3 | 201-279-3 | GC-MS |

**Test Results:**

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 1 | Anthracene | 0.005 | N.D. | -- | PBT |
| 2 | 4,4'-Diaminodiphenylmenthane | 0.005 | N.D. | -- | Carcinogen Category 2 |
| 3 | Dibuty1 phthalate (DBP) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 4 | 5-tert-buty1-2,4,6-trinitro-m-Xylene(musk xylene) | 0.005 | N.D. | -- | vPvB |
| 5 | Bis(2-ethyl(phthalate) (DEHP) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 6 | Hexabromocyclododecane(HBCDD) | 0.005 | N.D. | -- | PBT |
| 7 | Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins) | 0.01 | N.D. | -- | PBT |
| 8 | Benzyl butyl phthalate (BBP) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 9 | Bis(tributyltin)oxide(TBTO)* | 0.005 | N.D. | -- | PBT |
| 10 | Cobalt dichloride** | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 11 | Diarsenic pentaoxide** | 0.005 | N.D. | N.D. | Carcinogen category 1 |
| 12 | Diarsenic trioxide** | 0.005 | N.D. | N.D. | Carcinogen category 1 |
| 13 | Triethyl arsenate** | 0.005 | N.D. | N.D. | Carcinogen category 1 |
| 14 | Lead hydrogen arsenate** | 0.005 | N.D. | N.D. | Carcinogen category 1; Toxic for reproduction Category 1 |
| 15 | Sodium dichromate** | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2 |
| 16 | Anthracene oil | 0.005 | N.D. | -- | PBT |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 17 | Anthracene oil, anthracene paste, distn. Lights | 0.005 | N.D. | -- | PBT |
| 18 | Anthracene oil, anthracene paste, anthracene fraction | 0.005 | N.D. | -- | PBT |
| 19 | Anthracene oil,anthracene-low | 0.005 | N.D. | -- | PBT |
| 20 | Anthracene oil, anthracene paste | 0.050 | N.D. | -- | PBT |
| 21 | Diisobutyl phthalate | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 22 | 2,4-Dinitrotoluene | 0.005 | N.D. | -- | Carcinogen category 2 |
| 23 | coal tar pitch, high temperature | 0.050 | N.D. | -- | PBT; Carcinogen category 2 |
| 24 | tris(2-chloroethyl)phosphate | 0.005 | N.D. | -- | Carcinogen category 2; Toxic for reproduction Category 1 |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 1 |
| 26 | Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 1 |
| 27 | Lead chromate | 0.005 | N.D. | N.D. | Carcinogen category 1; Toxic for reproduction Category 1 |
| 28 | Acrylamide | 0.005 | N.D. | -- | Carcinogen category 2:Mutagen category 2 |
| 29 | Trichloroethylene | 0.005 | N.D. | -- | Carcinogen category 2 |
| 30 | Boric acid | 0.005 | N.D. | N.D. | Toxic for reproduction category 2 |
| 31 | Disodium tetraborate, anhydrou | 0.005 | N.D. | N.D. | Toxic for reproduction category 2 |
| 32 | tetraboron disodium heptaoxide hydrate | 0.005 | N.D. | N.D. | Toxic for reproduction category 2 |
| 33 | Sodium chromate | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2 |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 34 | Potassium chromate | 0.005 | N.D. | N.D. | Carcinogen category 2; Mutagen Category 2 |
| 35 | Ammonium dichromate | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2 |
| 36 | Potassium dichromate | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2 |
| 37 | Cobalt sulfate | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 2 |
| 38 | Cobalt dinitrat | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 2 |
| 39 | Cobalt carbonate | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 2 |
| 40 | Cobalt diacetate | 0.005 | N.D. | N.D. | Carcinogen category 2; Toxic for reproduction Category 2 |
| 41 | 2-Methoxyethanol | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 42 | 2-Ethoxyethanol | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 43 | Chromium trioxide | 0.005 | N.D. | N.D. | Carcinogen category 2; Mutagen Category 2 |
| 44 | Chromic acid | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| | Dichromic acid | | | | |
| | Oligomers of chromicacid and dichromic acid | | | | |
| 45 | 2- ethoxyethyl acetate | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 46 | Strontium chromate | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 47 | 1,2-Benzenedicarboxylic acid,di-(C7-11)-branched and linear alkyl esters | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 48 | Hydrazine | 0.005 | N.D. | -- | Carcinogen category 2 |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 49 | 1-Methyl-2-pyrrolidinone | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 50 | 1,2,3-trichloropropane | 0.005 | N.D. | -- | Carcinogen category 2; Toxic for reproduction Category 2 |
| 51 | 1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters,C7-rich | 0.005 | N.D. | -- | Toxic for reproduction Category 2; |
| 52 | Zirconia Aluminosilicate Refractory Ceramic Fibres | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 53 | Calcium arsenate | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 54 | Bis(2-methoxyethyl) ether | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 55 | Aluminosilicate Refractory Ceramic Fibres | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 56 | Potassium hydroxyoctaoxodizincatedichromate | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 57 | Lead dipicrate | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 58 | N,N-dimethylacetamide | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 59 | Arsenic acid | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 60 | 2-Methoxyaniline; o-Anisidine | 0.005 | N.D. | -- | Carcinogen category 2 |
| 61 | Trilead diarsenate | 0.005 | N.D. | -- | Carcinogen category 2; Toxic for reproduction Category 2 |
| 62 | 1,2-dichloroethane | 0.005 | N.D. | -- | Carcinogen category 2 |
| 63 | Pentazinc chromate octahydroxide | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 64 | 4-(1,1,3,3-tetramethylbutyl)phenol | 0.005 | N.D. | -- | Carcinogen category2; Toxic for reproduction Category 2 |
| 65 | Formaldehyde, oligomeric reaction products with aniline | 0.005 | N.D. | -- | Carcinogen category 2 |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 66 | Bis(2-methoxyethyl) phthalate | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 67 | Lead diazide, Lead azide | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 68 | Lead styphnate | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 69 | 2,2'-dichloro-4,4'-methylenedianiline | 0.005 | N.D. | -- | Carcinogen category 2 |
| 70 | Phenolphthalein | 0.005 | N.D. | -- | Carcinogen category 2 |
| 71 | Dichromium tris(chromate) | 0.005 | N.D. | N.D. | Carcinogen category 2 |
| 72 | 1,2-bis(2-methoxyethoxy) Ethane (TEGDME; triglyme) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 73 | 1,2-dimethoxyethane; ethyleneglycol dimethyl ether (EGDME) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 74 | Diboron trioxide | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 75 | Formamide | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 76 | Lead(II)bis(methanesulfonate) | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 77 | TGIC(1,3,5-tris(oxiranylmethyl -1,3,5-triazine-2,4,6-(1H,3H,5H )-trione) | 0.005 | N.D. | -- | Mutagenic category 2 |
| 78 | β-TGIC(1,3,5-tris [(2S and2R)-2,3-epoxypropyl] -1,3,5-triazine-2,4,6 -(1H,3H,5H)-trione) | 0.005 | N.D. | -- | Mutagenic category 2 |
| 79 | 4,4'-bis(dimethylamino) Benzophenone (Michler's ketone) | 0.005 | N.D. | --. | Carcinogen category 2 |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 0.005 | N.D. | -- | Carcinogen category 2 |
| 81 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa | 0.005 | N.D. | -- | Carcinogen category 2 |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| | -2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) | | | | |
| 82 | [4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohex a-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) | 0.005 | N.D. | -- | Carcinogen category 2 |
| 83 | α,α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) | 0.005 | N.D. | -- | Carcinogen category 2 |
| 84 | 4,4'-bis(dimethylamino) -4"-(methylamino) trityl alcohol | 0.005 | N.D. | -- | Carcinogen category 2 |
| 85 | 3-ethyl-2-methyl-2-(3-methylb utyl)-1,3-oxazolidine | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 86 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 0.005 | N.D. | -- | Carcinogen category 2 |
| 87 | N-methylacetamide | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 88 | Pentalead tetraoxide sulphate | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 89 | Biphenyl-4-ylamine | 0.005 | N.D. | -- | Carcinogen category 2 |
| 90 | Dinoseb | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 91 | Dioxobis(stearato)trilead | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 92 | Lead dinitrate | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 93 | Tetralead trioxide sulphate | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 94 | Lead oxide (lead monoxide) | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 95 | Lead titanium trioxide | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 96 | 4,4'-methylenedi-o-toluidine | 0.005 | N.D. | -- | Carcinogen category 2 |
| 97 | Acetic acid, lead salt, basic | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 98 | Dimethyl sulphate | 0.005 | N.D. | -- | Carcinogen category 2 |
| 99 | Furan | 0.005 | N.D. | -- | Carcinogen category 2 |
| 100 | Pyrochlore, antimony lead yellow | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 101 | Tetraethyllead | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 102 | [Phthalato(2-)]dioxotrilead | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 103 | Diethyl sulphate | 0.005 | N.D. | -- | Carcinogen category 2 |
| 104 | Lead cynamidate | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 105 | Silicic acid, barium salt, lead-doped | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 106 | Trilead dioxide phosphonate | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 107 | o-Toluidine; 2-Aminotoluene | 0.005 | N.D. | -- | Carcinogen category 2 |
| 108 | o-aminoazotoluene | 0.005 | N.D. | -- | Carcinogen category 2 |
| 109 | 4-Aminoazobenzene; 4-Phenylazoaniline | 0.005 | N.D. | -- | Carcinogen category 2 |
| 110 | 6-methoxy-m-toluidine (p-cresidine) | 0.005 | N.D. | -- | Carcinogen category 2 |
| 111 | Dibutyltin dichloride (DBT) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 112 | Lead Titanium Zirconium Oxide | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 113 | Propylene oxide; 1,2-epoxypropane; | 0.005 | N.D. | -- | Carcinogen category 2 |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| | methyloxirane | | | | |
| 114 | 1-bromopropane | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 115 | Basic lead carbonate (trilead bis(carbonate)dihydroxide) | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 116 | Fatty acids, C16-18, lead salts | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 117 | Lead tetroxide (orange lead) | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 118 | Sulfurous acid, lead salt, dibasic | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 119 | 4,4'-oxydianiline and its salts | 0.005 | N.D. | -- | Carcinogen category 2 |
| 120 | lead oxide sulphate | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 121 | Lead bis(tetrafluoroborate) | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 122 | Silicic acid, lead salt | 0.005 | N.D. | N.D. | Toxic for reproduction Category 2 |
| 123 | Bis(pentabromophenyl) ether (DecaBDE) | 0.005 | N.D. | -- | PBT |
| 124 | 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 | 0.005 | N.D. | -- | Equivalent level of concern - probable serious effects on the environment |
| 125 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 0.005 | N.D. | -- | Equivalent level of concern - probable serious effects on the environment |
| 126 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined | 0.005 | N.D. | -- | Equivalent level of concern - probable serious effects on the environment |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| | substances and UVCB substances, polymers and homologues | | | | |
| 127 | 1,2-Diethoxyethane | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 128 | Hexahydromethylphathalic anhydride Hexahydro-4-methylphathalic anhydride Hexahydro-1-methylphathalic anhydride Hexahydro-3-methylphathalic anhydride | 0.005 | N.D. | -- | Equivalent level of concern - probable serious effects on the environment |
| 129 | Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) | 0.005 | N.D. | -- | Equivalent level of concern - probable serious effects on the environment |
| 130 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 131 | N-pentyl-isopentylphtalate | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 132 | Heptacosafluorotetradecanoic acid | 0.005 | N.D. | -- | vPvB |
| 133 | Pentacosafluorotridecanoic acid | 0.005 | N.D. | -- | vPvB |
| 134 | Henicosafluoroundecanoic acid | 0.005 | N.D. | -- | vPvB |
| 135 | Tricosafluorododecanoic acid | 0.005 | N.D. | -- | vPvB |
| 136 | Methoxy acetic acid | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 137 | Diisopentylphthalate | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 138 | N,N-dimethylformamide; dimethyl formamide | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 139 | Cadmium | 0.001 | N.D. | N.D. | Carcinogen category 2 |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 140 | Cadmium oxide | 0.001 | N.D. | N.D. | Carcinogen category 2 |
| 141 | Dipentyl phthalate (DPP) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 142 | 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] | 0.005 | N.D. | -- | Equivalent level of concern - probable serious effects on the environment |
| 143 | Ammonium pentadecafluorooctanoate (APFO) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 144 | Pentadecafluorooctanoic acid (PFOA) | 0.005 | N.D. | -- | Toxic for reproduction Category 2 |
| 145 | Cadmium Sulfide | 0.001 | N.D. | N.D. | Carcinogenic |
| 146 | Di-N-Hexyl Phthalate | 0.005 | N.D. | -- | Carcinogenic |
| 147 | Direct Red 28 | 0.005 | N.D. | -- | Carcinogenic |
| 148 | Direct Black 38 | 0.005 | N.D. | -- | Toxic for reproduction |
| 149 | Ethlenethiourea | 0.005 | N.D. | -- | Toxic for reproduction |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 150 | Acetic Acid | 0.001 | N.D. | N.D. | Toxic for reproduction |
| 151 | Trixylyl Phosphate | 0.005 | N.D. | -- | Toxic for reproduction |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 0.005 | N.D. | -- | Toxic for reproduction |
| 153 | Cadmium chloride | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 154 | Sodium perborate; perboric acid, sodium salt | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 155 | Sodium peroxometaborate | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 156 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 0.005 | N.D. | -- | PBT, vPvB |
| 157 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 0.005 | N.D. | -- | Toxic for reproduction |
| 158 | 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) | 0.005 | N.D. | -- | Toxic for reproduction |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 0.005 | N.D. | -- | PBT, vPvB |
| 160 | Cadmium fluoride | 0.005 | N.D. | N.D. | Carcinogenic, Mutagenic |
| 161 | Cadmium sulphate | 0.005 | N.D. | N.D. | Carcinogenic, Mutagenic |
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters | 0.005 | N.D. | N.D. | Toxic for reproduction |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 163 | 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] | 0.005 | N.D. | N.D. | vPvB |
| 164 | 1,3-propanesultone | 0.005 | N.D. | -- | Carcinogenic, Mutagenic |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol | 0.005 | N.D. | -- | vPvB |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol | 0.005 | N.D. | -- | vPvB |
| 167 | Nitrobenzene | 0.005 | N.D. | -- | Toxic for reproduction |
| 168 | Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts | 0.005 | N.D. | -- | Toxic for reproduction |
| 169 | Benzo[a]pyrene | 0.005 | N.D. | -- | vPvB |
| 170 | 4,4'-isopropylidenediphenol (bisphenol A) | 0.005 | N.D. | -- | Toxic for reproduction |
| 171 | 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] | 0.005 | N.D. | -- | Equivalent level of concern having probable serious effects to the environment |
| 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 0.005 | N.D. | -- | Toxic for reproduction ; PBT |
| 173 | p-(1,1-dimethylpropyl)phenol | 0.005 | N.D. | -- | Equivalent level of concern having probable serious effects to the environment |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 174 | Perfluorohexane-1-sulphonic acid and its salts | 0.005 | N.D. | -- | vPvB |
| 175 | Benz[a]anthracene | 0.005 | N.D. | -- | PBT, vPvB |
| 176 | Cadmium carbonate | 0.005 | N.D. | N.D. | Carcinogenic, Mutagenic |
| 177 | Cadmium hydroxide | 0.005 | N.D. | N.D. | Carcinogenic, Mutagenic |
| 178 | Cadmium nitrate | 0.005 | N.D. | N.D. | Carcinogenic, Mutagenic |
| 179 | Chrysene | 0.005 | N.D. | -- | PBT, vPvB |
| 180 | Dodecachloropentacyclo[12.2.1 .16,9.02,13.05,10]octadeca-7,1 5-diene (“Dechlorane Plus”™) covering any of its individual anti- and syn-isomers or any combination thereof | 0.005 | N.D. | -- | vPvB |
| 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithio ne, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl) | 0.005 | N.D. | N.D. | Endocrine disrupting properties |
| 182 | Octamethylcyclotetrasiloxane D4 | 0.005 | N.D. | -- | PBT, vPvB |
| 183 | Decamethylcyclopentasiloxane D5 | 0.005 | N.D. | -- | PBT, vPvB |
| 184 | Dodecamethylcyclohexasiloxan e D6 | 0.005 | N.D. | -- | PBT, vPvB |
| 185 | Lead | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 186 | Disodium octaborate | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 187 | Benzo[ghi]perylene | 0.005 | N.D. | -- | PBT, vPvB |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 188 | Terphenyl, hydrogenated | 0.005 | N.D. | -- | vPvB |
| 189 | Ethylenediamine EDA | 0.005 | N.D. | -- | Respiratory sensitising properties |
| 190 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA | 0.005 | N.D. | -- | Respiratory sensitising properties |
| 191 | Dicyclohexyl phthalate DCHP | 0.005 | N.D. | -- | Toxic for reproduction, Endocrine disrupting properties |
| 192 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one | 0.005 | N.D. | -- | Endocrine disrupting properties (Article 57(f) - environment) |
| 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 194 | Benzo[k]fluoranthene | 0.005 | N.D. | -- | Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e) |
| 195 | Fluoranthene | 0.005 | N.D. | -- | PBT (Article 57d)#vPvB (Article 57e) |
| 196 | Phenanthrene | 0.005 | N.D. | -- | vPvB (Article 57e) |
| 197 | Pyrene | 0.005 | N.D. | -- | PBT (Article 57d)#vPvB (Article 57e) |
| 198 | 2-methoxyethyl acetate | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 199 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | 0.005 | N.D. | -- | Endocrine disrupting properties (Article 57(f) - environment) |
| 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) | 0.005 | N.D. | -- | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) |
| 201 | 4-tert-butylphenol | 0.005 | N.D. | -- | Endocrine disrupting properties (Article 57(f) - environment) |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 202 | Perfluorobutane sulfonic acid (PFBS) and its salts | 0.05 | N.D. | -- | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) |
| 203 | Diisohexyl phthalate | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 204 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 205 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 206 | 1-vinylimidazole | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 207 | 2-methylimidazole | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 208 | Butyl 4-hydroxybenzoate | 0.005 | N.D. | -- | Endocrine disrupting properties (Article 57(f) - human health) |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 210 | Bis(2-(2-methoxyethoxy)ethl)ether | 0.005 | N.D. | N.D. | Toxic for reproduction (Article 57c) |
| 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 | 0.005 | N.D. | N.D. | Toxic for reproduction (Article 57c) |

| No. | Test Item | MDL (%) | Result (%) | | Classification |
|---|---|---|---|---|---|
| | | | A | B | |
| 212 | 1,4-Dioxane (dioxane) | 0.005 | N.D. | N.D. | Equivalent level of concern - probable serious effects on the environment |
| 213 | 2,2-bis(bromomethyl)-1,3-propanediol (BMP) Tribromoneopentanol (TBNPA) 2,3-Dibromo-1-propanol (2,3-DBPA) | 0.005 | N.D. | N.D. | vPvB |
| 214 | 2-(4-tert-butylbenzyl) propanal and its stereoisomers | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 215 | 4,4'-(1-methylpropylene) bisphenol; (bisphenol B) | 0.005 | N.D. | N.D. | Endocrine disrupting properties |
| 216 | Glutaraldehyde | 0.005 | N.D. | N.D. | Respiratory sensitising properties |
| 217 | Medium chain chlorinated paraffin (MCCP) [UVCB substance, composed of ≥80% linear chlorinated alkanes, carbon chain length between C14 and C17] | 0.005 | N.D. | N.D. | vPvB，Toxic for reproduction |
| 218 | Sodium borate | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 219 | Carbon chain (mainly C12, straight chain or branched chain) mainly in the para position of alkylphenol substances and any single isomer or combination (PDDP) | 0.005 | N.D. | N.D. | Endocrine disrupting properties<br>Toxic for reproduction |
| 220 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 221 | tris(2-methoxyethoxy)vinylsilane | 0.005 | N.D. | N.D. | Toxic for reproduction |
| 222 | (±)-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) | 0.005 | N.D. | N.D. | Endocrine disrupting properties |
| 223 | S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 0.005 | N.D. | N.D. | PBT |

| | | | | | |
|---|---|---|---|---|---|
| 224 | N-hydroxymethylalanamide | 0.005 | N.D. | -- | vPvB |
| 225 | N-hydroxymethylacrylamide and resorcinol | 0.005 | N.D. | -- | Toxic for reproduction |
| 226 | 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] | 0.005 | N.D. | -- | vPvB (Article 57e) |
| 227 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 0.005 | N.D. | -- | Carcinogenic (Article 57a) |
| 228 | 4,4'-sulphonyldiphenol | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c)<br>Endocrine disrupting properties (Article 57(f) - environment)<br>Endocrine disrupting properties (Article 57(f) - human health) |
| 229 | Barium diboron tetraoxide | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |
| 230 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | 0.005 | N.D. | -- | vPvB (Article 57e) |
| 231 | Isobutyl 4-hydroxybenzoate | 0.005 | N.D. | -- | Endocrine disrupting properties (Article 57(f) - human health) |
| 232 | Melamine | 0.005 | N.D. | -- | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) |
| 233 | Perfluoroheptanoic acid and its salts | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c)<br>Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)<br>Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) |
| 234 | 4,4′-dichlorodiphenylsulfone | 0.005 | N.D. | -- | For the synthesis of engineering plastics, dyes and polymers, such as, polysulfone, polyether sulfone, polyether ether ketone, etc |

| | | | | | |
|---|---|---|---|---|---|
| 235 | Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide | 0.005 | N.D. | -- | UV curing coating and ink, mostly used in white system, can be used for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, etc.; because the absorption peak of KLTPO is longer than the conventional initiator, the effective absorption peak is 350-400nm, can be absorbed to about 420nm, can be used as a high efficiency light initiator of styrene unsaturated polyester and acrylic resin. Suitable for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, photoresist, photopolymer printing plate, stereoscopic flat plate resin, composite material, tooth filling material, etc. After illumination, benzoyl and phosphoryl radicals can be generated, which can trigger polymerization and accelerate the speed of photobleaching, which can meet the requirements of deep curing of thick film and constant yellow coating. Because of low volatilization, no residue, especially suitable for requiring low odor products and transparent coating |
| 236 | 2,4,6-tri-tert-butylpheno | 0.005 | N.D. | -- | Production of another substance; mixture configuration and for fuel products |
| 237 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol | 0.005 | N.D. | -- | Air care products, paint products, adhesives and sealants, lubricants and greases, polish and waxes, and washing and cleaning products |
| 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 0.005 | N.D. | -- | Ink and toner, paint products |
| 239 | Bumetrizole | 0.005 | N.D. | -- | Coating products, adhesives and sealants, and washing and cleaning products |
| 240 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | 0.005 | N.D. | -- | Adhesive and sealants, paint products, fillers, putty, plaster, molding clay, ink, toner, and polymers. |

| | | | | | |
|---|---|---|---|---|---|
| 241 | Bis(a,a-dimethylbenzyl) peroxide | 0.005 | N.D. | -- | Toxic for reproduction (Article 57c) |

**Note:**

1. A= Nonmetal; B=Metal;

2. "*"=Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT results. The result is screening testing of TBTO and other salts under current technology.

3. "**"= Calculated concentration of cobalt dichloride is based on the identified heavy metal and anion result. Calculated concentration of diarrheic pent oxide, diarrheic trioxide, sodium dichromate, dehydrate, Lead hydrogen arsenates and tritely arsenate are based on the identified heavy metal result.

4. Definition of classification of this report in accordance 67/548/EEC and Regulation (EC) No.1907/2006

5. N.D. = Not Detected (<MDL)

6. MDL = Method Detection Limit

7. -- = No Testing

**Remarks:**

1. In accordance Regulation (EC) No. 1907/2006, any producer or importer of articles shall notify ECHA, In accordance paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance Article 59 (1) of the Regulation, namely (a) the substance is present in those article in quantities totaling over one ton per producer per year; and (b) the substance is present in those articles higher than 0.1% weight by weight (w/w).

2. Article 33 of Regulation (EC) No.1907/2006 requires supplier of an article containing a substance meets the criteria in Article 57 and identified in accordance Article 59(1) in a concertration higher than 0.1% weight by weight (w/w) shall provide the recipient of the article sufficient information, available to the supplier, to allow safe use the article including, as a minimum, the name of that.

| **Photos General Appearance of the EUT** |
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|  |

*** End of Report ***