# Test Report



**Applicant :** Moss LED Inc

**Address:** 1355 Fewster Drive, Mississauga, Ontario L4W 1A2

**Manufacturer :** Moss LED Inc

**Address :** 1355 Fewster Drive, Mississauga, Ontario L4W 1A2

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

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| **Sample Name:** | LED FLEXIBLE TAPE |
| **Main Model:** | I24VNW419002835 |
| **Series Models:** | Please refer to next page(s). |
| **Sample Received Date:** | Jun.20, 2022 |
| **Testing Period:** | Jun.20, 2022 To Jun.23, 2022 |
| **Test Requested:** | Two hundred and twenty-four(224)Substances of Very High Concern (SVHC) Based on the list Published by European Chemicals Agency (REACH) on Oct.28, 2008 & Jan.13, 2010 & Mar.30, 2010 & Jun.18, 2010 & Dec.15, 2010 & Jun.20, 2011 & Dec.19, 2011 & Jun.18, 2012 & Dec. 19, 2012 & Jun. 20, 2013 & Dec.16, 2013 & Mar. 3, 2014 & Jun. 16, 2014 & Dec. 17, 2014 & Jun. 15, 2015& Dec. 17, 2015 &Jun. 20, 2016&Dec. 19, 2016&Jun. 16, 2017&Dec.20,2017 & Apr.28,2018 &Jun.27,2018 &Jan.15,2019 &Jul.16,2019 &Sept.03,2019 & Jun.16,2020 &Jan.19,2021 & Jul.08,2021 &Jan.17,2022&Jun.10,2022 for public consultation, Regarding regulation (EC) No 1907/2006 concerning the REACH. |
| **Test Method:** | Please refer to next page(s). |
| **Test Result:** | Please refer to next page(s). |
| **Conclusion:** | Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA)Regarding Regualtion(EC)No.1907/2006 concerning REACH — PASS |

**Signed for and on behalf of:**

Andy

**Andy Zheng**
**Technical Director**

Dongguan TST Technology Co., Ltd. TST TESTING

**Series Models:**

I/O/WQV/CXXYYYYZZZZ2835-W/B/G/R/Y/L-GS-CON

I/O/W represents IP rating (I=IP41, O=IP65, W=IP68)
Q represents voltage where it can be any number from 5 to 36
V/C represents Voltage (V for constant voltage, C for constant current)
XX represents colour temperature range which can be UWW, WW, W, NW, CW, UCW (UWW=Ultra Warm White, WW=Warm White, W=White, NW=Neutral White, CW=Cool White, UCW=Ultra Cool White)
YYYY represents specific colour temperature can be any combination of two or four numbers
ZZZZ represents quantity of LEDs/reel and can be any combination of three or four numbers
W/B/G/R/Y/L represents PCB colour (W for White, B for Black, G for Green, R for Red, Y for Yellow, L for Blue)
GS represents PCB coating, gold series in ENIG which may or may not present
-CON represents connector and can be non-existent for wire only, or DC for DC Barrel, or 5P 6P or 7P or 8P

**Test method and Test equipment:**

| No. | Test Item | CAS No. | MDL (%) | Result (%) A | Result (%) B |
|---|---|---|---|---|---|
| 1 | Anthracene | 120-12-7 | 0.005 | N.D. | -- |
| 2 | 4,4'-Diaminodiphenylmenthane | 101-77-9 | 0.005 | N.D. | -- |
| 3 | Dibuty1 phthalate (DBP) | 84-74-2 | 0.005 | N.D. | -- |
| 4 | 5-tert-buty1-2,4,6-trinitro-m-Xylene(musk xylene) | 81-15-2 | 0.005 | N.D. | -- |
| 5 | Diisooctyl Phthalate (DEHP) | 117-81-7 | 0.005 | N.D. | -- |
| 6 | Hexabromocyclododecane (HBCDD) | 25637-99-4 3194-55-6 (134237-51-7, 34237-50-6, 134237-52-8) | 0.005 | N.D. | -- |
| 7 | Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins) | 85535-84-8 | 0.01 | N.D. | -- |
| 8 | Benzyl butyl phthalate (BBP) | 85-68-7 | 0.005 | N.D. | -- |
| 9 | Bis(tributyltin)oxide | 56-35-9 | 0.005 | N.D. | -- |
| 10 | Cobalt dichloride | 7646-79-9 | 0.005 | N.D. | N.D. |
| 11 | Diarsenic pentaoxide | 1303-28-2 | 0.005 | N.D. | N.D. |
| 12 | Diarsenic trioxide | 1327-53-3 | 0.005 | N.D. | N.D. |
| 13 | Triethyl arsenate | 15606-95-8 | 0.005 | N.D. | N.D. |
| 14 | Lead hydrogen arsenate | 7784-40-9 | 0.005 | N.D. | N.D. |

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| 15 | Sodium dichromate, dihydrate | 10588-01-9 | 0.005 | N.D. | N.D. |
| 16 | Anthracene oil | 90640-80-5 | 0.005 | N.D. | -- |
| 17 | Anthracene oil, anthracene paste, distn. Lights | 91995-17-4 | 0.005 | N.D. | -- |
| 18 | Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 0.005 | N.D. | -- |
| 19 | Anthracene oil, anthracene-low | 90640-82-7 | 0.005 | N.D. | -- |
| 20 | Anthracene oil, anthracene paste | 90640-81-6 | 0.050 | N.D. | -- |
| 21 | Diisobutyl phthalate | 84-69-5 | 0.005 | N.D. | -- |
| 22 | 2,4-Dinitrotoluene | 121-14-2 | 0.005 | N.D. | -- |
| 23 | coal tar pitch,high temperature | 65996-93-2 | 0.050 | N.D. | -- |
| 24 | tris(2-chloroethyl)phosphate | 115-96-8 | 0.005 | N.D. | -- |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | 0.005 | N.D. | N.D. |
| 26 | Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 12656-85-8 | 0.005 | N.D. | N.D. |
| 27 | Lead chromate | 7758-97-6 | 0.005 | N.D. | N.D. |
| 28 | Acrylamide | 79-06-1 | 0.005 | N.D. | -- |
| 29 | Trichloroethylene | 79-01-6 | 0.005 | N.D. | -- |
| 30 | Boric acid | 11113-50-1 | 0.005 | N.D. | N.D. |
| 31 | Disodium tetraborate, anhydrou | 12179-04-3 | 0.005 | N.D. | N.D. |

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| 32 | tetraboron disodium heptaoxide hydrate | 12267-73-1 | 0.005 | N.D. | N.D. |
| 33 | Sodium chromate | 7775-11-3 | 0.005 | N.D. | N.D. |
| 34 | Potassium chromate | 7789-00-6 | 0.005 | N.D. | N.D. |
| 35 | Ammonium dichromate | 7789-09-5 | 0.005 | N.D. | N.D. |
| 36 | Potassium dichromate | 7778-50-9 | 0.005 | N.D. | N.D. |
| 37 | Cobalt sulfate | 10124-43-3 | 0.005 | N.D. | N.D. |
| 38 | Cobalt dinitrat | 10141-05-6 | 0.005 | N.D. | N.D. |
| 39 | Cobalt carbonate | 513-79-1 | 0.005 | N.D. | N.D. |
| 40 | Cobalt diacetate | 71-48-7 | 0.005 | N.D. | N.D. |
| 41 | 2-Methoxyethanol | 109-86-4 | 0.005 | N.D. | -- |
| 42 | 2-Ethoxyethanol | 110-80-5 | 0.005 | N.D. | -- |
| 43 | Chromium trioxide | 1333-82-0 | 0.005 | N.D. | N.D. |
| 44 | Chromic acid | 7738-94-5 | 0.005 | N.D. | N.D. |
| | Dichromic acid | 13530-68-2 | | | |
| | Oligomers of chromicacid and dichromic acid | -- | | | |
| 45 | 2- ethoxyethyl acetate | 111-15-9 | 0.005 | N.D. | -- |
| 46 | strontium chromate | 7789-06-2 | 0.005 | N.D. | N.D. |
| 47 | 1,2-Benzenedicarboxylicacid,di-(C7-11)-branched and linear alkylesters | 68515-42-4 | 0.005 | N.D. | -- |

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| 48 | Hydrazine | 7803-57-8<br>302-01-2 | 0.005 | N.D. | -- |
| 49 | 1-Methyl-2-pyrrolidinone | 872-50-4 | 0.005 | N.D. | -- |
| 50 | 1,2,3-trichloropropane | 96-18-4 | 0.005 | N.D. | -- |
| 51 | 1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters,C7-rich | 71888-89-6 | 0.005 | N.D. | -- |
| 52 | Zirconia Aluminosilicate Refractory Ceramic Fibres | -- | 0.005 | N.D. | N.D. |
| 53 | Calcium arsenate | 7778-44-1 | 0.005 | N.D. | N.D. |
| 54 | Bis(2-methoxyethyl) ether | 111-96-6 | 0.005 | N.D. | -- |
| 55 | Aluminosilicate Refractory Ceramic Fibres | -- | 0.005 | N.D. | N.D. |
| 56 | Chromate, hydroxyoctaoxodizincatedi-, potassium | 11103-86-9 | 0.005 | N.D. | N.D. |
| 57 | Lead dipicrate | 6477-64-1 | 0.005 | N.D. | N.D. |
| 58 | N,N-dimethylacetamide | 127-19-5 | 0.005 | N.D. | -- |
| 59 | Arsenic acid | 7778-39-4 | 0.005 | N.D. | N.D. |
| 60 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | 0.005 | N.D. | -- |
| 61 | Trilead diarsenate | 3687-31-8 | 0.005 | N.D. | N.D. |
| 62 | 1,2-dichloroethane | 107-06-2 | 0.005 | N.D. | -- |
| 63 | Pentazinc chromate octahydroxide | 49663-84-5 | 0.005 | N.D. | N.D. |

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| 64 | 4-(1,1,3,3-tetramethylbutyl)phenol | 140-66-9 | 0.005 | N.D. | -- |
| 65 | Formaldehyde, oligomeric reaction products aniline | 25214-70-4 | 0.005 | N.D. | -- |
| 66 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 0.005 | N.D. | -- |
| 67 | Lead diazide, Lead azide | 13424-46-9 | 0.005 | N.D. | N.D. |
| 68 | Lead styphnate | 15245-44-0 | 0.005 | N.D. | N.D. |
| 69 | 2,2'-dichloro-4,4'-methylenedianiline | 101-14-4 | 0.005 | N.D. | -- |
| 70 | Phenolphthalein | 77-09-8 | 0.005 | N.D. | -- |
| 71 | Dichromium tris(chromate) | 24613-89-6 | 0.005 | N.D. | N.D. |
| 72 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 0.005 | N.D. | -- |
| 73 | 1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 0.005 | N.D. | -- |
| 74 | Diboron trioxide | 1303-86-2 | 0.005 | N.D. | N.D. |
| 75 | Formamide | 75-12-7 | 0.005 | N.D. | -- |
| 76 | Lead(II)bis(methanesulfonate) | 17570-76-2 | 0.005 | N.D. | N.D. |
| 77 | TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | 2451-62-9 | 0.005 | N.D. | -- |
| 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 | 0.005 | N.D. | -- |

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| 79 | 4,4'-bis(dimethylamino) benzophenone(Michler's ketone) | 90-94-8 | 0.005 | N.D. | -- |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedia niline (Michler's base) | 101-61-1 | 0.005 | N.D. | -- |
| 81 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-yl idene]dimethylammonium chloride (C.I. Basic Violet 3) | 548-62-9 | 0.005 | N.D. | -- |
| 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 | 0.005 | N.D. | -- |
| 83 | α,α-Bis[4-(dimethylamino)phenyl] -4 (phenylamino)naphthalene -1-methanol (C.I. Solvent Blue 4) | 6786-83-0 | 0.005 | N.D. | -- |
| 84 | 4,4'-bis(dimethylamino)-4"-(methylamin o)trityl alcohol | 561-41-1 | 0.005 | N.D. | -- |
| 85 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine | 143860-04-2 | 0.005 | N.D. | -- |
| 86 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 95-80-7 | 0.005 | N.D. | -- |
| 87 | N-methylacetamide | 79-16-3 | 0.005 | N.D. | -- |
| 88 | Pentalead tetraoxide sulphate | 12065-90-6 | 0.005 | N.D. | N.D. |
| 89 | Biphenyl-4-ylamine | 202-177-1 | 0.005 | N.D. | -- |

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| 90 | Dinoseb | 88-85-7 | 0.005 | N.D. | -- |
| 91 | Dioxobis(stearato)trilead | 12578-12-0 | 0.005 | N.D. | N.D. |
| 92 | Lead dinitrate | 10099-74-8 | 0.005 | N.D. | N.D. |
| 93 | Tetralead trioxide sulphate | 12202-17-4 | 0.005 | N.D. | N.D. |
| 94 | Lead oxide (lead monoxide) | 1317-36-8 | 0.005 | N.D. | N.D. |
| 95 | Lead titanium trioxide | 12060-00-3 | 0.005 | N.D. | N.D. |
| 96 | 4,4'-methylenedi-o-toluidine | 838-88-0 | 0.005 | N.D. | -- |
| 97 | Acetic acid, lead salt, basic | 51404-69-4 | 0.005 | N.D. | N.D. |
| 98 | Dimethyl sulphate | 77-78-1 | 0.005 | N.D. | -- |
| 99 | Furan | 110-00-9 | 0.005 | N.D. | -- |
| 100 | Pyrochlore, antimony lead yellow | 8012-00-8 | 0.005 | N.D. | -- |
| 101 | Tetraethyllead | 78-00-2 | 0.005 | N.D. | N.D. |
| 102 | [Phthalato(2-)]dioxotrilead | 69011-06-9 | 0.005 | N.D. | N.D. |
| 103 | Diethyl sulphate | 64-67-5 | 0.005 | N.D. | -- |
| 104 | Lead cynamidate | 20837-86-9 | 0.005 | N.D. | N.D. |
| 105 | Silicic acid, barium salt, lead-doped | 68784-75-8 | 0.005 | N.D. | N.D. |
| 106 | Trilead dioxide phosphonate | 12141-20-7 | 0.005 | N.D. | N.D. |
| 107 | o-Toluidine; 2-Aminotoluene | 95-53-4 | 0.005 | N.D. | -- |
| 108 | o-aminoazotoluene | 97-56-3 | 0.005 | N.D. | -- |

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| 109 | 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-03 | 0.005 | N.D. | -- |
| 110 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 0.005 | N.D. | -- |
| 111 | Dibutyltin dichloride (DBT) | 683-18-1 | 0.005 | N.D. | -- |
| 112 | Lead Titanium Zirconium Oxide | 12626-81-2 | 0.005 | N.D. | N.D. |
| 113 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | 0.005 | N.D. | -- |
| 114 | 1-bromopropane | 106-94-5 | 0.005 | N.D. | -- |
| 115 | Basic lead carbonate (trilead bis(carbonate)dihydroxide) | 1319-46-6 | 0.005 | N.D. | N.D. |
| 116 | Fatty acids, C16-18, lead salts | 91031-62-8 | 0.005 | N.D. | N.D. |
| 117 | Lead tetroxide (orange lead) | 1314-41-6 | 0.005 | N.D. | N.D. |
| 118 | Sulfurous acid, lead salt, dibasic | 62229-08-7 | 0.005 | N.D. | N.D. |
| 119 | 4,4'-oxydianiline and its salts | 101-80-4 | 0.005 | N.D. | -- |
| 120 | lead oxide sulphate | 12036-76-9 | 0.005 | N.D. | N.D. |
| 121 | Lead bis(tetrafluoroborate) | 13814-96-6 | 0.005 | N.D. | N.D. |
| 122 | Silicic acid, lead salt | 11120-22-2 | 0.005 | N.D. | N.D. |
| 123 | Bis(pentabromophenyl) ether (DecaBDE) | 1163-19-5 | 0.005 | N.D. | -- |

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| 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. | -- |
| 125 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 0.005 | N.D. | -- |
| 126 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues | -- | 0.005 | N.D. | -- |
| 127 | 1,2-Diethoxyethane | 629-14-1 | 0.005 | N.D. | -- |
| 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 | 0.005 | N.D. | -- |
| 129 | Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) | 85-42-7 | 0.005 | N.D. | -- |
| 130 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 0.005 | N.D. | -- |
| 131 | N-pentyl-isopentylphtalate | -- | 0.005 | N.D. | -- |

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| 132 | Heptacosafluorotetradecanoic acid | 376-06-7 | 0.005 | N.D. | -- |
| 133 | Pentacosafluorotridecanoic acid | 72629-94-8 | 0.005 | N.D. | -- |
| 134 | Henicosafluoroundecanoic acid | 2058-94-8 | 0.005 | N.D. | -- |
| 135 | Tricosafluorododecanoic acid | 307-55-1 | 0.005 | N.D. | -- |
| 136 | Methoxy acetic acid | 625-45-6 | 0.005 | N.D. | -- |
| 137 | Diisopentylphthalate | 605-50-5 | 0.005 | N.D. | -- |
| 138 | N,N-dimethylformamide; dimethyl formamide | 68-12-2 | 0.005 | N.D. | -- |
| 139 | Cadmium | 7440-43-9 | 0.005 | N.D. | N.D. |
| 140 | Cadmium oxide | 1306-19-0 | 0.005 | N.D. | N.D. |
| 141 | Dipentyl phthalate (DPP) | 131-18-0 | 0.005 | N.D. | -- |
| 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. | -- |

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| 143 | Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 0.005 | N.D. | -- |
| 144 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 0.005 | N.D. | -- |
| 145 | Cadmium Sulfide | 1306-23-6 | 0.005 | N.D. | N.D. |
| 146 | Di-N-Hexyl Phthalate | 84-75-3 | 0.005 | N.D. | -- |
| 147 | Direct Red 28 | 573-58-0 | 0.005 | N.D. | -- |
| 148 | Direct Black 38 | 1937-37-7 | 0.005 | N.D. | -- |
| 149 | Ethlenethiourea | 96-45-7 | 0.005 | N.D. | -- |
| 150 | Acetic Acid | 301-04-2 | 0.005 | N.D. | N.D. |
| 151 | Trixylyl Phosphate | 25155-23-1 | 0.005 | N.D. | -- |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4. | 0.005 | N.D. | -- |
| 153 | Cadmium chloride | 10108-64-2. | 0.005 | N.D. | N.D. |
| 154 | Sodium perborate; perboric acid, sodium salt | -- | 0.005 | N.D. | N.D. |
| 155 | Sodium peroxometaborate | 7632-4-4 | 0.005 | N.D. | N.D. |
| 156 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | 0.005 | N.D. | N.D. |
| 157 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | 0.005 | N.D. | N.D. |
| 158 | Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dit | -- | 0.005 | N.D. | -- |

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| | hia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxo ethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithi a-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | | | | |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328) | 25973-55-1 | 0.005 | N.D. | -- |
| 160 | Cadmium fluoride | 7790-79-6 | 0.005 | N.D. | -- |
| 161 | Cadmium sulphate | 10124-36-4, 31119-53-6 | 0.005 | N.D. | -- |
| 162 | 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 | 68515-51-5, 68648-93-1 | 0.005 | N.D. | -- |
| 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] [covering any of the individual isomers of [1] and [2] orany combination thereof] | | 0.005 | N.D. | -- |
| 164 | Nitrobenzene | 98-95-3 | 0.005 | N.D. | -- |
| 165 | 4-di-tert-butyl-6-(5-chlorobenzotriazol-2 -yl)phenol | 3864-99-1 | 0.005 | N.D. | -- |

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| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol | l36437-37-3 | 0.005 | N.D. | -- |
| 167 | 3-propanesultone | 1120-71-4 | 0.005 | N.D. | -- |
| 168 | Perfluorononan-1-oic acid | 375-95-1<br>21049-39-8<br>4149-60-4 | 0.005 | N.D. | -- |
| 169 | Benzo(a)pyrene | 50-32-8 | 0.005 | N.D. | -- |
| 170 | Bisphenol A | 80-05-7 | 0.005 | N.D. | -- |
| 171 | Nonadecafluorodecanoic acid（PFDA）and its sodium and ammonium salts | 335-76-2 | 0.005 | N.D. | -- |
| 172 | 4-heptylphenol,branched and linear(4-HPbl) | -- | 0.005 | N.D. | -- |
| 173 | 4-tert-Amylphenol（PTAP） | 80-46-6 | 0.005 | N.D. | -- |
| 174 | Perfluorohexane-1-sulfonic acid and its salts (PFHxS) | -- | 0.005 | N.D. | -- |
| 175 | 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene(“DechloranePlus”TM)[coveringanyofitsindividualanti-andsyn-isomersoranycombinationthereof]. | -- | 0.050 | N.D. | -- |
| 176 | Benz[a]anthracene | 56-55-3 | 0.050 | N.D. | -- |
| 177 | Cadmiumnitrate | 10325-94-7 | 0.050 | N.D. | N.D. |
| 178 | Cadmiumcarbonate | 513-78-0 | 0.050 | N.D. | N.D. |
| 179 | Cadmiumhydroxide | 21041-95-2 | 0.050 | N.D. | N.D. |
| 180 | Chrysene | 218-01-9 | 0.050 | N.D. | N.D. |

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|---|---|---|---|---|---|
| 181 | Reactionproductsof1,3,4-thiadiazolidine-2,5-dithione,formaldehydeand4-heptylphenol,branchedandlinear(RP-HP)[with≥0.1%w/w4-heptylphenol,branchedandlinear]. | -- | 0.050 | N.D. | -- |
| 182 | 1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride) | 209-008-0 | 0.005 | N.D. | -- |
| 183 | Dicyclohexyl phthalate(DCHP) | 201-545-9 | 0.005 | N.D. | -- |
| 184 | Benzo (g hi) perylene | 191-24-2 | 0.005 | N.D. | -- |
| 185 | Decamethylcyclopentasiloxane(D5) | 541-02-6 | 0.005 | N.D. | -- |
| 186 | Disodium octaborate | 12008-41-2 | 0.001 | N.D. | N.D. |
| 187 | Dodecylmethylcyclohexasiloxane(D6) | 540-97-6 | 0.005 | N.D. | -- |
| 188 | Ethylenediamine | 107-15-3 | 0.005 | N.D. | -- |
| 189 | Lead | 7439-92-1 | 0.001 | N.D. | N.D. |
| 190 | Octacyclotetrasiloxane（D4） | 556-67-2 | 0.005 | N.D. | -- |
| 191 | Terphenyl hydrogenated | 61788-32-7 | 0.005 | N.D. | -- |
| 192 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | 0.005 | N.D. | -- |
| 193 | Benzo[k]fluoranthene | 207-08-9 | 0.005 | N.D. | -- |
| 194 | Fluoranthene | 206-44-0 | 0.005 | N.D. | -- |
| 195 | Phenanthrene | 85-01-8 | 0.005 | N.D. | -- |

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| 196 | Pyrene | 129-00-0 | 0.005 | N.D. | -- |
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one | 15087-24-8 | 0.005 | N.D. | -- |
| 198 | HFPO-DA 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. | -- |
| 199 | 2-Methoxyethyl Acetate | 110-49-6 | 0.005 | N.D. | -- |
| 200 | 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. | -- |
| 201 | 4-tert-Butylphenol(PTBP) | 98-54-4 | 0.005 | N.D. | -- |
| 202 | 2-Benzyl-2-Dimethylamino-1-(4'-Morpholinylphenyl)Butanone | 119313-12-1 | 0.005 | N.D. | -- |
| 203 | 2-Methyl-1-(4-Methylthiophenyl)-2-Morpholinyl-1-Propan-1-One | 71868-10-5 | 0.005 | N.D. | -- |
| 204 | Diisohexyl Phthalate | 71850-09-4 | 0.005 | N.D. | -- |
| 205 | Perfluorobutane Sulfonic Acid (Pfbs) And Its Salts | -- | 0.005 | N.D. | -- |
| 206 | 1-vin 1072-63-ylimidazole | 1072-63-5 | 0.005 | N.D. | -- |
| 207 | 2-methylimidazole | 693-98-1 | 0.005 | N.D. | -- |
| 208 | Butyl 4-hydroxybenzoate | 94-26-8 | 0.005 | N.D. | -- |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O'tin) | 22673-19-4 | 0.005 | N.D. | -- |
| 210 | Bis(2-(2-methoxyethoxy)ethyl)ether | 143-24-8 | 0.005 | N.D. | -- |

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|---|---|---|---|---|---|
| 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. | -- |
| 212 | 1,4-dioxane | 123-91-1 | 0.005 | N.D. | -- |
| 213 | 2,2-bis(bromomethyl)propane1,3-diol(BMP)<br>2,2-dimethylpropan-1-ol,tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol(TBNPA)<br>2,3-dibromo-1-propanol(2,3-DBPA) | 3296-90-0<br>36483-57-5/1522-92-5<br>96-13-9 | 0.005 | N.D. | -- |
| 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | -- | 0.005 | N.D. | -- |
| 215 | 4,4'-(1-mentylpropylidene)bisphenol(bisphenol B) | 77-40-7 | 0.005 | N.D. | -- |
| 216 | Glutaral | 111-30-8 | 0.005 | N.D. | -- |
| 217 | Medium-chain chlorinated paraffins(MCCP)[UVCB substances consisting of more than or equal to 80% linear chloroalkaneas with carbon chain lengths within the tange from C14 to C17] | -- | 0.005 | N.D. | -- |

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|---|---|---|---|---|---|
| 218 | Orthoboric acid,sodium salt | 13840-56-7 | 0.005 | N.D. | -- |
| 219 | Phenol,alkylation products(mainly in paraposition)with C12-rich branched or linear alkyl chains from oligomerisation,covering any individual isomers and/or combinations there of(PDDP) | -- | 0.005 | N.D. | -- |
| 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) | -- | 0.005 | N.D. | -- |
| 221 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 119-47-1 | 0.005 | N.D. | -- |
| 222 | 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 | 0.005 | N.D. | -- |
| 223 | tris(2-methoxyethoxy)vinylsilane | 1067-53-4 | 0.005 | N.D. | -- |
| 224 | N-(hydroxymethyl)acrylamide | 924-42-5 | 0.005 | N.D. | -- |

**Note:**

1. "*"=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.

2. "**"= Calculated concentration of cobalt dichloride is based on the identified heavy metal and anion result. Calculated concentration of diarsenic pentaoxide, diarsenic trioxide, sodium dichromate, dehydrate, Lead

hydrogen arsebnate and triethyl arsenate are based on the identified heavy matal result.

3.Test Method : Analyzed by ICP-AES,UV-VIS,GC-MS,HPLC-DAD/MS and ColorimetricMethod.

4. A= Nonmetallic material; B=metallic material

5.MDL = Method Detection Limit

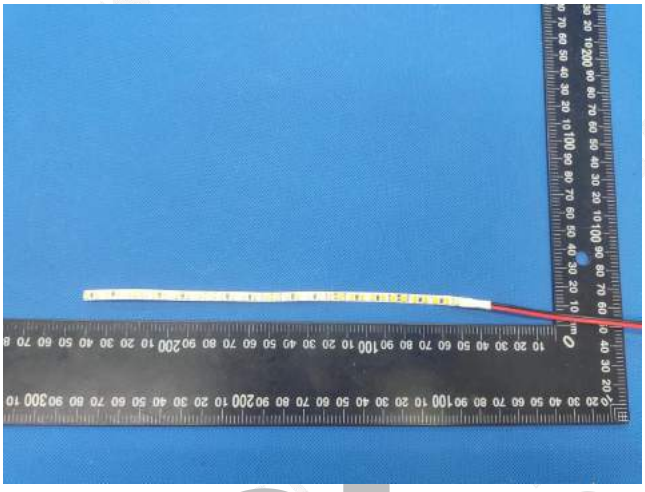
6.N.D.= No Detection(<MDL)

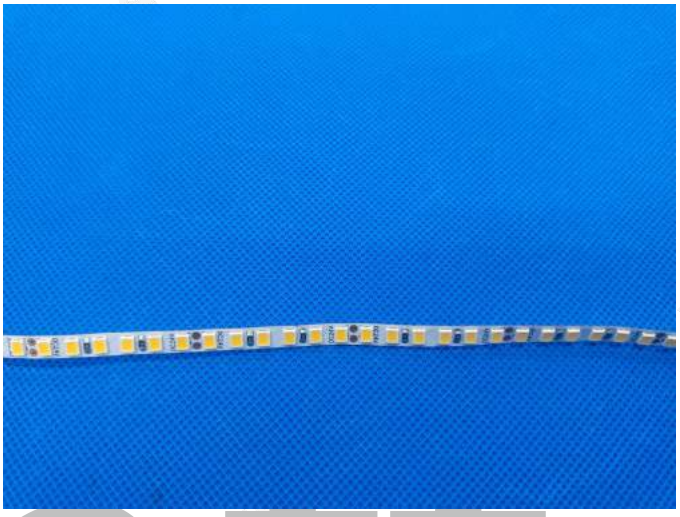
**Remarks:**

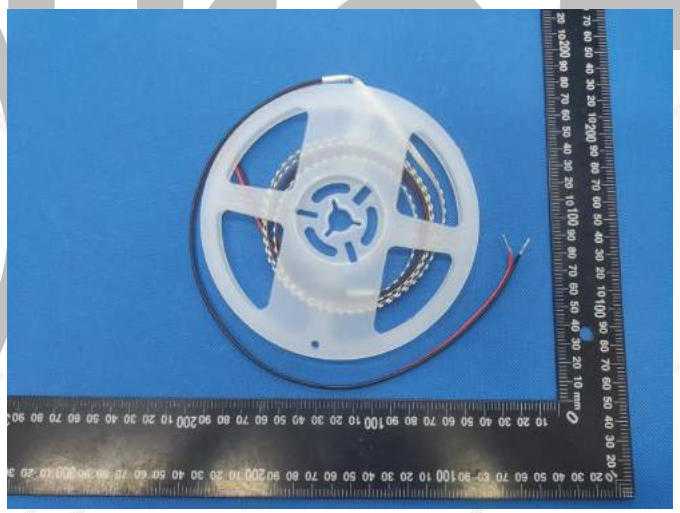
1.In accordance Regulation (EC) No. 1907/2006, any producer or importer of articles shall notify REACH, In accordance paragraph 4 of Article 7, if a substance meets the crteria in Article 57 and is identified in accordance Article 59 (1) of the Regualation, namely (a) the substance is present in those 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.

**Sample Photo:**







*** End of Report ***