

WIZNET CO., LTD.

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Seongnam-si, Gyeonggi-do
Korea

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

SGS File No. : AYAA19-59688

Product Name : WizFi360

Item/Part Name : N/A

Received Date : 2019. 09. 24

Test Period : 2019. 09. 24 ~ 2019. 10. 08

Test Requested : Two hundred and one (201) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before July 16, 2019 regarding Regulation (EC) No 1907/2006 concerning the REACH.

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

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

Summary : According to the specified scope and evaluation screening, the test results of SVHC are $\leq 0.1\%$ (w/w) in the articles of the submitted sample.

SGS Korea Co., Ltd



Tommy Oh / Chemical Lab Mgr

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Test Method:

SGS In-House method - Analyzed by ICP-OES, PLM, UV/VIS, LC/MS ,GC/MS and colorimetric method

Remarks:

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
<http://echa.europa.eu/web/guest/candidate-list-table> (Candidate list)
http://echa.europa.eu/proposals-to-identify-substances-of-very-high-concern-previous-consultations?p_p id=substancetypelist WAR substanceportlet&p_p lifecycle=0&p_p state=normal&p_p mode=view&p_p col id=column-1&p_p col pos=2&p_p col count=4& substancetypelist
(Proposals to identify SVHC consultations)
This list is under evaluation by ECHA and may subject to change in the future.
2. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of **0.1 %** weight by weight (w/w).
3. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above **0.1 %** weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.
4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

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Test Result(s)

| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|--|--|---------------------|---------------------|-------------------|
| 1 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 85535-84-8 | 287-476-5 | 0.05 | N.D. |
| 2 | Anthracene | 120-12-7 | 204-371-1 | 0.05 | N.D. |
| 3 | Benzyl butyl phthalate (BBP) | 85-68-7 | 201-622-7 | 0.05 | N.D. |
| 4 | Bis(2-ethylhexyl)phthalate (DEHP) | 117-81-7 | 204-211-0 | 0.05 | N.D. |
| 5 | Bis(tributyltin)oxide | 56-35-9 | 200-268-0 | 0.05 | N.D. |
| 6 | Cobalt dichloride* | 7646-79-9 | 231-589-4 | 0.005 | N.D. |
| 7 | 4,4-Diaminodiphenylmethane | 101-77-9 | 202-974-4 | 0.05 | N.D. |
| 8 | Diarsenic pentaoxide* | 1303-28-2 | 215-116-9 | 0.005 | N.D. |
| 9 | Diarsenic trioxide* | 1327-53-3 | 215-481-4 | 0.005 | N.D. |
| 10 | Dibutyl phthalate (DBP) | 84-74-2 | 201-557-4 | 0.05 | N.D. |
| 11 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD) | 25637-99-4 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8) | 247-148-4 221-695-9 | 0.05 | N.D. |
| 12 | Lead hydrogen arsenate* | 7784-40-9 | 232-064-2 | 0.005 | N.D. |
| 13 | Sodium dichromate* (Sodium dichromate, dehydrate) | 10588-01-9 (7789-12-0) | 234-190-3 | 0.005 | N.D. |
| 14 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 81-15-2 | 201-329-4 | 0.05 | N.D. |
| 15 | Triethyl arsenate* | 15606-95-8 | 427-700-2 | 0.005 | N.D. |
| 16 | Di-isobutyl phthalate(DIBP) | 84-69-5 | 201-553-2 | 0.05 | N.D. |
| 17 | 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | 0.05 | N.D. |

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| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|---|--------------------------------------|------------------------|---------------------|-------------------|
| 18 | Tris(2-chloroethyl) phosphate | 115-96-8 | 204-118-5 | 0.05 | N.D. |
| 19 | Anthracene oil | 90640-80-5 | 292-602-7 | 0.05 | N.D. |
| 20 | Anthracene oil, anthracene paste; distn. Lights | 91995-17-4 | 295-278-5 | 0.05 | N.D. |
| 21 | Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 | 0.05 | N.D. |
| 22 | Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | 0.05 | N.D. |
| 23 | Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | 0.05 | N.D. |
| 24 | Coal tar pitch, high temperature | 65996-93-2 | 266-028-2 | 0.05 | N.D. |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34)* | 1344-37-2 | 215-693-7 | 0.005 | N.D. |
| 26 | Lead chromate molybdate sulfate red (C.I. Pigment Red 104)* | 12656-85-8 | 235-759-9 | 0.005 | N.D. |
| 27 | Lead chromate* | 7758-97-6 | 231-846-0 | 0.005 | N.D. |
| 28 | Acrylamide | 79-06-01 | 201-173-7 | 0.05 | N.D. |
| 29 | Boric acid* | 10043-35-3 11113-50-1 | 233-139-2 234-343-4 | 0.005 | N.D. |
| 30 | Disodium tetraborate, anhydrous* | 1330-43-4 12179-04-3 1303-96-4 | 215-540-4 | 0.005 | N.D. |
| 31 | Tetraboron disodium heptaoxide, hydrate* | 12267-73-1 | 235-541-3 | 0.005 | N.D. |
| 32 | Trichloroethylene | 79-01-6 | 201-167-4 | 0.05 | N.D. |
| 33 | Sodium chromate * | 7775-11-3 | 231-889-5 | 0.005 | N.D. |
| 34 | Ammonium dichromate* | 7789-09-5 | 232-143-1 | 0.005 | N.D. |

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|-----|--|------------------------------|-----------------------------|---------------------|-------------------|
| 35 | Potassium dichromate* | 7778-50-9 | 231-906-6 | 0.005 | N.D. |
| 36 | Potassium chromate* | 7789-00-6 | 232-140-5 | 0.005 | N.D. |
| 37 | Cobalt(II) sulphate* | 10124-43-3 | 233-334-2 | 0.005 | N.D. |
| 38 | Cobalt(II) dinitrate* | 10141-05-6 | 233-402-1 | 0.005 | N.D. |
| 39 | Cobalt(II) carbonate* | 513-79-1 | 208-169-4 | 0.005 | N.D. |
| 40 | Cobalt(II) diacetate* | 71-48-7 | 200-755-8 | 0.005 | N.D. |
| 41 | 2-Methoxyethanol | 109-86-4 | 203-713-7 | 0.05 | N.D. |
| 42 | 2-Ethoxyethanol | 110-80-5 | 203-804-1 | 0.05 | N.D. |
| 43 | Chromium trioxide* | 1333-82-0 | 215-607-8 | 0.005 | N.D. |
| 44 | 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 - | 0.005 | N.D. |
| 45 | 1-methyl-2-pyrrolidone | 872-50-4 | 212-828-1 | 0.05 | N.D. |
| 46 | 2-ethoxyethyl acetate | 111-15-9 | 203-839-2 | 0.05 | N.D. |
| 47 | 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 276-158-1 | 0.05 | N.D. |
| 48 | 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 | 0.05 | N.D. |
| 49 | 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | 0.05 | N.D. |

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|-----|--|-----------------------------|------------|---------------------|-------------------|
| 50 | Hydrazine | 7803-57-8 302-01-2 | 206-114-9 | 0.05 | N.D. |
| 51 | Strontium chromate* | 7789-06-2 | 232-142-6 | 0.005 | N.D. |
| 52 | 1,2-Dichloroethane | 107-06-2 | 203-458-1 | 0.05 | N.D. |
| 53 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | 202-918-9 | 0.05 | N.D. |
| 54 | 2-Methoxyaniline o-Anisidine | 90-04-0 | 201-963-1 | 0.05 | N.D. |
| 55 | 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol) | 140-66-9 | 205-426-2 | 0.05 | N.D. |
| 56 | Aluminosilicate Refractory Ceramic Fibres* (RCF) | 650-017-00-8 (Index no.) | - | 0.005 | N.D. |
| 57 | Arsenic acid* | 7778-39-4 | 231-901-9 | 0.005 | N.D. |
| 58 | Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | 0.05 | N.D. |
| 59 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6- | 0.05 | N.D. |
| 60 | Calcium arsenate* | 7778-44-1 | 231-904-5 | 0.005 | N.D. |
| 61 | Dichromium tris(chromate)* | 24613-89-6 | 246-356-2 | 0.005 | N.D. |
| 62 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 | 500-036-1 | 0.05 | N.D. |
| 63 | Lead diazide* | 13424-46-9 | 236-542-1 | 0.005 | N.D. |
| 64 | Lead dipicrate* | 6477-64-1 | 229-335-2 | 0.005 | N.D. |
| 65 | Lead styphnate* | 15245-44-0 | 239-290-2 | 0.005 | N.D. |
| 66 | N,N-dimethylacetamide (DMAC) | 127-19-5 | 204-826-4 | 0.05 | N.D. |
| 67 | Pentazinc chromate octahydroxide* | 49663-84-5 | 256-418-0 | 0.005 | N.D. |
| 68 | Phenolphthalein | 77-09-8 | 201-004-7 | 0.05 | N.D. |

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| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|---|--------------------------|-----------|---------------------|-------------------|
| 69 | Potassium hydroxyocta-oxodizincatedichromate* | 11103-86-9 | 234-329-8 | 0.005 | N.D. |
| 70 | Trilead diarsenate* | 3687-31-8 | 222-979-5 | 0.005 | N.D. |
| 71 | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)* | 650-017-00-8 (Index no.) | - | 0.005 | N.D. |
| 72 | 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | 0.05 | N.D. |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | 0.05 | N.D. |
| 74 | Diboron trioxide* | 1303-86-2 | 215-125-8 | 0.005 | N.D. |
| 75 | Formamide | 75-12-7 | 200-842-0 | 0.05 | N.D. |
| 76 | Lead(II) bis(methanesulfonate)* | 17570-76-2 | 401-750-5 | 0.005 | N.D. |
| 77 | TGIC(1,3,5-tris (oxiranyl methyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | 2451-62-9 | 219-514-3 | 0.05 | N.D. |
| 78 | β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)** | 59653-74-6 | 423-400-0 | 0.05 | N.D. |
| 79 | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | 0.05 | N.D. |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | 0.05 | N.D. |
| 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 | 0.05 | 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 | 219-943-6 | 0.05 | N.D. |
| 83 | α,α -Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) | 6786-83-0 | 229-851-8 | 0.05 | N.D. |

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|-----|--|---|---|---------------------|-------------------|
| 84 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 561-41-1 | 209-218-2 | 0.05 | N.D. |
| 85 | Bis(pentabromophenyl) ether (DecaBDE) | 1163-19-5 | 214-604-9 | 0.05 | N.D. |
| 86 | Pentacosaflluorotridecanoic acid | 72629-94-8 | 276-745-2 | 0.05 | N.D. |
| 87 | Tricosaflluorododecanoic acid | 307-55-1 | 206-203-2 | 0.05 | N.D. |
| 88 | Henicosaflluoroundecanoic acid | 2058-94-8 | 218-165-4 | 0.05 | N.D. |
| 89 | Heptacosaflluorotetradecanoic acid | 376-06-7 | 206-803-4 | 0.05 | N.D. |
| 90 | 4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues | - | - | 0.05 | N.D. |
| 91 | 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 | N.D. |
| 92 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 | 0.05 | N.D. |
| 93 | Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) | 85-42-7 13149-00-3 14166-21-3 | 201-604-9, 236-086-3, 238-009-9 | 0.05 | N.D. |
| 94 | 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 | N.D. |
| 95 | Methoxy acetic acid | 625-45-6 | 210-894-6 | 0.05 | N.D. |
| 96 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 | 0.05 | N.D. |

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|-----|---|------------|-----------|---------------------|-------------------|
| 97 | Diisopentylphthalate (DIPP) | 605-50-5 | 210-088-4 | 0.05 | N.D. |
| 98 | N-pentyl-isopentylphthalate | - | - | 0.05 | N.D. |
| 99 | 1,2-Diethoxyethane | 629-14-1 | 211-076-1 | 0.05 | N.D. |
| 100 | N,N-dimethylformamide; dimethyl formamide | 68-12-2 | 200-679-5 | 0.05 | N.D. |
| 101 | Dibutyltin dichloride (DBT) | 683-18-1 | 211-670-0 | 0.05 | N.D. |
| 102 | Acetic acid, lead salt, basic* | 51404-69-4 | 257-175-3 | 0.005 | N.D. |
| 103 | Basic lead carbonate (trilead bis(carbonate)dihydroxide)* | 1319-46-6 | 215-290-6 | 0.005 | N.D. |
| 104 | Lead oxide sulfate (basic lead sulfate)* | 12036-76-9 | 234-853-7 | 0.005 | N.D. |
| 105 | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate)* | 69011-06-9 | 273-688-5 | 0.005 | N.D. |
| 106 | Dioxobis(stearato)trilead* | 12578-12-0 | 235-702-8 | 0.005 | N.D. |
| 107 | Fatty acids, C16-18, lead salts* | 91031-62-8 | 292-966-7 | 0.005 | N.D. |
| 108 | Lead bis(tetrafluoroborate)* | 13814-96-5 | 237-486-0 | 0.005 | N.D. |
| 109 | Lead cyanamidate* | 20837-86-9 | 244-073-9 | 0.005 | N.D. |
| 110 | Lead dinitrate* | 10099-74-8 | 233-245-9 | 0.005 | N.D. |
| 111 | Lead oxide (lead monoxide)* | 1317-36-8 | 215-267-0 | 0.005 | N.D. |
| 112 | Lead tetroxide (orange lead)* | 1314-41-6 | 215-235-6 | 0.005 | N.D. |
| 113 | Lead titanium trioxide* | 12060-00-3 | 235-038-9 | 0.005 | N.D. |
| 114 | Lead Titanium Zirconium Oxide* | 12626-81-2 | 235-727-4 | 0.005 | N.D. |
| 115 | Pentalead tetraoxide sulphate* | 12065-90-6 | 235-067-7 | 0.005 | N.D. |

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| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|--|-------------|-----------|---------------------|-------------------|
| 116 | Pyrochlore, antimony lead yellow* | 8012-00-8 | 232-382-1 | 0.005 | N.D. |
| 117 | Silicic acid, barium salt, lead-doped* | 68784-75-8 | 272-271-5 | 0.005 | N.A. |
| 118 | Silicic acid, lead salt* | 11120-22-2 | 234-363-3 | 0.005 | N.D. |
| 119 | Sulfurous acid, lead salt, dibasic* | 62229-08-7 | 263-467-1 | 0.005 | N.D. |
| 120 | Tetraethyllead* | 78-00-2 | 201-075-4 | 0.005 | N.D. |
| 121 | Tetralead trioxide sulphate* | 12202-17-4 | 235-380-9 | 0.005 | N.D. |
| 122 | Trilead dioxide phosphonate* | 12141-20-7 | 235-252-2 | 0.005 | N.D. |
| 123 | Furan | 110-00-9 | 203-727-3 | 0.05 | N.D. |
| 124 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | 200-879-2 | 0.05 | N.D. |
| 125 | Diethyl sulphate | 64-67-5 | 200-589-6 | 0.05 | N.D. |
| 126 | Dimethyl sulphate | 77-78-1 | 201-058-1 | 0.05 | N.D. |
| 127 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | 0.05 | N.D. |
| 128 | Dinoseb | 88-85-7 | 201-861-7 | 0.05 | N.D. |
| 129 | 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 | 0.05 | N.D. |
| 130 | 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 | 0.05 | N.D. |
| 131 | 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-3 | 200-453-6 | 0.05 | N.D. |
| 132 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 95-80-7 | 202-453-1 | 0.05 | N.D. |
| 133 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 | 0.05 | N.D. |
| 134 | Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | 0.05 | N.D. |

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| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|---|------------|-----------|---------------------|-------------------|
| 135 | o-aminoazotoluene | 97-56-3 | 202-591-2 | 0.05 | N.D. |
| 136 | o-Toluidine; 2-Aminotoluene | 95-53-4 | 202-429-0 | 0.05 | N.D. |
| 137 | N-methylacetamide | 79-16-3 | 201-182-6 | 0.05 | N.D. |
| 138 | 1-bromopropane; n-propyl bromide | 106-94-5 | 203-445-0 | 0.05 | N.D. |
| 139 | Cadmium | 7440-43-9 | 231-152-8 | 0.005 | N.D. |
| 140 | Cadmium oxide* | 1306-19-0 | 215-146-2 | 0.005 | N.D. |
| 141 | Dipentyl phthalate (DPP) | 131-18-0 | 205-017-9 | 0.05 | 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] | - | - | 0.05 | N.D. |
| 143 | Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 223-320-4 | 0.05 | N.D. |
| 144 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 206-397-9 | 0.05 | N.D. |
| 145 | Dihexyl phthalate | 84-75-3 | 201-559-5 | 0.05 | N.D. |
| 146 | Trixylyl phosphate | 25155-23-1 | 246-677-8 | 0.05 | N.D. |
| 147 | Imidazolidine-2-thione; 2-imidazoline-2-thiol | 96-45-7 | 202-506-9 | 0.05 | N.D. |
| 148 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 1937-37-7 | 217-710-3 | 0.05 | N.D. |

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| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|--|---------------------------|------------------------|---------------------|-------------------|
| 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 | 0.05 | N.D. |
| 150 | Cadmium sulphide* | 1306-23-6 | 215-147-8 | 0.005 | N.D. |
| 151 | Lead di(acetate)* | 301-04-2 | 206-104-4 | 0.005 | N.D. |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5 | 0.05 | N.D. |
| 153 | Cadmium chloride* | 10108-64-2 | 233-296-7 | 0.005 | N.D. |
| 154 | Sodium perborate*; perboric acid, sodium salt* | - | 239-172-9 234-390-0 | 0.005 | N.D. |
| 155 | Sodium peroxometaborate* | 7632-04-4 | 231-556-4 | 0.005 | N.D. |
| 156 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | 223-346-6 | 0.05 | N.D. |
| 157 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | 247-384-8 | 0.05 | N.D. |
| 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 | N.D. |
| 159 | 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 | N.D. |
| 160 | Cadmium fluoride* | 7790-79-6 | 232-222-0 | 0.005 | N.D. |
| 161 | Cadmium sulphate* | 10124-36-4; 31119-53-6 | 233-331-6 | 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 $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5) | 68515-51-5 68648-93-1 | 271-094-0 272-013-1 | 0.05 | N.D. |

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| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|---|-------------------------------------|-----------------------------|---------------------|-------------------|
| 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] or any combination thereof] | - | - | 0.05 | N.D. |
| 164 | 1,3-propanesultone | 1120-71-4 | 214-317-9 | 0.05 | N.D. |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | 223-383-8 | 0.05 | N.D. |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | 253-037-1 | 0.05 | N.D. |
| 167 | Nitrobenzene | 98-95-3 | 202-716-0 | 0.05 | N.D. |
| 168 | Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorononanoic acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | 206-801-3 | 0.05 | N.D. |
| 169 | Benzo[def]chrysene (Benzo[a]pyrene) | 50-32-8 | 200-028-5 | 0.05 | N.D. |
| 170 | 4,4'-isopropylidenediphenol (bisphenol A) | 80-05-7 | 201-245-8 | 0.05 | N.D. |
| 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] | - | - | 0.05 | N.D. |
| 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 3108-42-7 335-76-2 3830-45-3 | - 206-400-3 221-470-5 | 0.05 | N.D. |
| 173 | p-(1,1-dimethylpropyl)phenol | 80-46-6 | 201-280-9 | 0.05 | N.D. |

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| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|---|------------|-----------|---------------------|-------------------|
| 174 | Perfluorohexane-1-sulphonic acid and its salts | 355-46-4 | 206-587-1 | 0.05 | 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 (Dechlorane Plus TM) [covering any of its individual anti- and syn-isomers or any combination thereof] | - | - | 0.05 | N.D. |
| 176 | Benz[a]anthracene | 56-55-3 | 200-280-6 | 0.05 | N.D. |
| 177 | Cadmium nitrate* | 10325-94-7 | 233-710-6 | 0.005 | N.D. |
| 178 | Cadmium carbonate* | 513-78-0 | 208-168-9 | 0.005 | N.D. |
| 179 | Cadmium hydroxide* | 21041-95-2 | 244-168-5 | 0.005 | N.D. |
| 180 | Chrysene | 218-01-9 | 205-923-4 | 0.05 | N.D. |
| 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] | - | - | 0.05 | N.D. |
| 182 | Benzo[ghi]perylene (BgP) | 191-24-2 | 205-883-8 | 0.05 | N.D. |
| 183 | Decamethylcyclopentasiloxane (D5) | 541-02-6 | 208-764-9 | 0.05 | N.D. |
| 184 | Disodium octaborate* | 12008-41-2 | 234-541-0 | 0.005 | N.D. |
| 185 | Dodecamethylcyclohexasiloxane (D6) | 540-97-6 | 208-762-8 | 0.05 | N.D. |
| 186 | Ethylenediamine | 107-15-3 | 203-468-6 | 0.05 | N.D. |
| 187 | Lead | 7439-92-1 | 231-100-4 | 0.005 | N.D. |

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| No. | Substance Name | CAS number | EC number | Reporting Limit (%) | Concentration (%) |
|-----|--|------------|-----------|---------------------|-------------------|
| 188 | Octamethylcyclotetrasiloxane (D4) | 556-67-2 | 209-136-7 | 0.05 | N.D. |
| 189 | Terphenyl hydrogenated | 61788-32-7 | 262-967-7 | 0.05 | N.D. |
| 190 | Dicyclohexyl phthalate(DCHP) | 84-61-7 | 201-545-9 | 0.05 | N.D. |
| 191 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA) | 552-30-7 | 209-008-0 | 0.05 | N.D. |
| 192 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | 401-720-1 | 0.05 | N.D. |
| 193 | Benzo[k]fluoranthene | 207-08-9 | 205-916-6 | 0.05 | N.D. |
| 194 | Fluoranthene | 206-44-0 | 205-912-4 | 0.05 | N.D. |
| 195 | Phenanthrene | 85-01-8 | 201-581-5 | 0.05 | N.D. |
| 196 | Pyrene | 129-00-0 | 204-927-3 | 0.05 | N.D. |
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one | 15087-24-8 | 239-139-9 | 0.05 | N.D. |
| 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) | - | - | 0.05 | N.D. |
| 199 | 2-methoxyethyl acetate | 110-49-6 | 203-772-9 | 0.05 | N.D. |
| 200 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) | - | - | 0.05 | N.D. |
| 201 | 4-tert-butylphenol | 98-54-4 | 202-679-0 | 0.05 | N.D. |

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Test Report

No. F690101/LF-CTSAYAA19-59688

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Note:

1. RL = Reporting Limit, 0.1% (w/w) = 1,000 ppm = 1,000 mg/kg
2. N.D. = Not detected (< RL)

N.A. = Not applicable for respective material type.

The submitted sample was found to contain significant amount of specific element(s) of SVHC. Upon further test verification and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be exclude entirely. It may be assumed that the detected element(s) have a non-SVHC source.

3. *.The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website: www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm

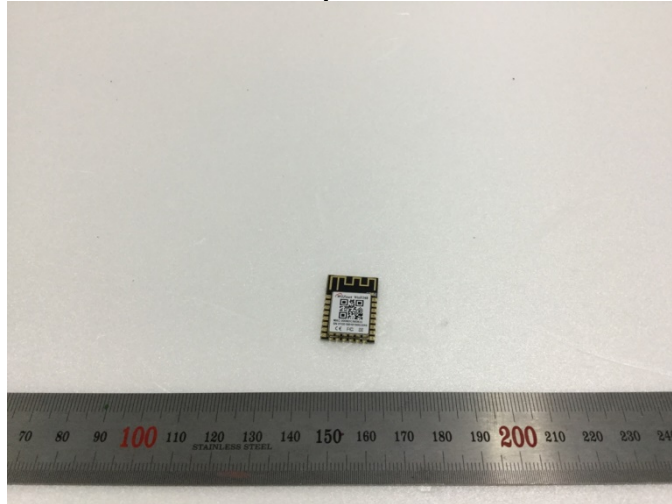
The client is advised to review the chemical formulation to ascertain above metal substances present in the article.

RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium(VI), silicon, aluminum, zirconium, boron, and potassium respectively), except molybdenum RL=0.0005%

4. **. -TGIC is one of the isomers for TGIC compounds and hence, tested together. The reported test result is based the proposed ratio as according to ECHA dossier.
5. ***.The sample was diluted with solvent because of matrix effect, so there could be slight increase in MDL and it may have an effect on RL.
6. The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
7. This test report is not related to Korea Laboratory Accreditation Scheme.

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Picture of Sample as Received :

**AYAA19-59688.001**

*** End of Report ***

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