

Test Report

Report No.: AGC2017102600483-2

Date: Nov.06,2017

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Applicant: Lumi United Technology Co., Ltd
Address: 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen.

Report on the submitted samples said to be:

Sample Name : Door and Window Sensor
Model : MCCGQ11LM
Brand : AQara
Manufacturer : Lumi United Technology Co., Ltd
Address : 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen.
Sample Received Date : Oct.26,2017
Testing Period : Oct.26,2017 to Nov.06,2017

Test Requested: As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to screen one hundred and seventy-four (174) Substances of Very High Concern (SVHC) in the submitted sample. The list is the one that is published by European Chemicals Administration (ECHA) on 7th July, 2017.

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

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

Conclusion:

The concentrations of tested SVHC are $\leq 0.1\%$ (W/W) in the submitted sample. Pass

Tested by: Leon

Suhongliang, Leon

Test Team Leader

Reviewed by: Jessie Liang

Liangdan, Jessie.Liang

Technical Supervisor

Approved by: Lewis

Liuhwen, Lewis

Technical Director



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The test result of SVHC:
Substance information & Method & Result(s) :

Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|-------------|--|---|--|------------------------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| First batch | | | | | | | |
| 1 | Anthracene | AfPS ProdSG:2014 GC-MS | 120-12-7 | 204-371-1 | N.D. | N.D. | 0.01 |
| 2 | 4,4'-Diaminodiphenylmethane | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 101-77-9 | 202-974-4 | N.D. | N.D. | 0.01 |
| 3 | Dibutyl phthalate (DBP) | EN 14372:2004 GC-MS | 84-74-2 | 201-557-4 | N.D. | N.D. | 0.01 |
| 4 | Bis(2-ethylhexyl)phthalate (DEHP) | | 117-81-7 | 204-211-0 | N.D. | N.D. | 0.01 |
| 5 | Benzyl butyl phthalate (BBP) | | 85-68-7 | 201-622-7 | N.D. | N.D. | 0.01 |
| 6 | Bis(tributyltin)oxide (TBTO) | ISO17353:2004(E) GC-MS | 56-35-9 | 200-268-0 | N.D. | N.D. | 0.01 |
| 7 | 5-tert-butyl-2,4,6-trinitro-m-xylene | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 81-15-2 | 201-329-4 | N.D. | N.D. | 0.01 |
| 8 | 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 | N.D. | N.D. | 0.01 |
| 9 | Alkanes, C10-13 chloro (short chain chlorinated paraffins, SCCP) | | 85535-84-8 | 287-476-5 | N.D. | N.D. | 0.01 |
| 10 | Lead hydrogen arsenate* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 7784-40-9 | 232-064-2 | N.D. | N.D. | 0.01 |
| 11 | Triethyl arsenate* | | 15606-95-8 | 427-700-2 | N.D. | N.D. | 0.01 |
| 12 | Diarsenic pentaoxide * | | 1303-28-2 | 215-116-9 | N.D. | N.D. | 0.01 |
| 13 | Diarsenic trioxide* | | 1327-53-3 | 215-481-4 | N.D. | N.D. | 0.01 |

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|--------------|---|--|-------------------------|-----------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| 14 | Cobalt dichloride* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 &EN14582:2016 ICP-OES & IC | 7646-79-9 | 231-589-4 | N.D. | N.D. | 0.01 |
| 15 | Sodium dichromate* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis | 7789-12-0 10588-01-9 | 234-190-3 | N.D. | N.D. | 0.01 |
| Second batch | | | | | | | |
| 16 | ^① Anthracene oil | AfPS ProdSG:2014 GC-MS | 90640-80-5 | 292-602-7 | N.D. | N.D. | 0.01 |
| 17 | ^① Anthracene oil, anthracene paste, distn. Lights | | 91995-17-4 | 295-278-5 | N.D. | N.D. | 0.01 |
| 18 | ^① Anthracene oil, anthracene paste, anthracene fraction | | 91995-15-2 | 295-275-9 | N.D. | N.D. | 0.01 |
| 19 | ^① Anthracene oil, anthracene-low | | 90640-82-7 | 292-604-8 | N.D. | N.D. | 0.01 |
| 20 | ^① Anthracene oil, anthracene paste | | 90640-81-6 | 292-603-2 | N.D. | N.D. | 0.01 |
| 21 | Diisobutyl phthalate (DIBP) | EN 14372:2004 GC-MS | 84-69-5 | 201-553-2 | N.D. | N.D. | 0.01 |
| 22 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 121-14-2 | 204-450-0 | N.D. | N.D. | 0.01 |
| 23 | ^② Lead chromate | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis | 7758-97-6 | 231-846-0 | N.D. | N.D. | 0.01 |
| 24 | ^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104) *** | | 12656-85-8 | 235-759-9 | N.D. | N.D. | 0.01 |
| 25 | ^② Lead sulfochromate yellow (C.I. Pigment Yellow 34) | | 1344-37-2 | 215-693-7 | N.D. | N.D. | 0.01 |

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| | | | | | 1 | 2 | |
| 26 | ^① Pitch, coal tar, high temp. | AfPS ProdSG:2014 GC-MS | 65996-93-2 | 266-028-2 | N.D. | N.D. | 0.01 |
| 27 | Tris(2-chloroethyl) phosphate(TCEP) | EPA 3540C:1996& EPA 8270D:2014 GC-MS | 115-96-8 | 204-118-5 | N.D. | N.D. | 0.01 |
| 28 | Acrylamide | EPA 3550C:2007& EPA 8321B:2007 HPLC | 79-06-1 | 201-173-7 | N.D. | N.D. | 0.01 |
| Third batch | | | | | | | |
| 29 | Trichloroethylene | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 79-01-6 | 201-167-4 | N.D. | N.D. | 0.01 |
| 30 | Boric acid* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 10043-35-3 11113-50-1 | 233-139-2 234-343-4 | N.D. | N.D. | 0.01 |
| 31 | Disodium tetraborate, anhydrous* | | 1330-43-4 12179-04-3 1303-96-4 | 215-540-4 | N.D. | N.D. | 0.01 |
| 32 | Tetraboron disodium heptaoxide, hydrate* | | 12267-73-1 | 235-541-3 | N.D. | N.D. | 0.01 |
| 33 | Sodium chromate* | | 7775-11-3 | 231-889-5 | N.D. | N.D. | 0.01 |
| 34 | Potassium chromate* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis | 7789-00-6 | 232-140-5 | N.D. | N.D. | 0.01 |
| 35 | Ammonium dichromate* | | 7789-09-5 | 232-143-1 | N.D. | N.D. | 0.01 |
| 36 | Potassium dichromate* | | 7778-50-9 | 231-906-6 | N.D. | N.D. | 0.01 |
| Fourth batch | | | | | | | |
| 37 | Chromium trioxide* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis | 1333-82-0 | 215-607-8 | N.D. | N.D. | 0.01 |
| 38 | 2-Methoxyethanol | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 109-86-4 | 203-713-7 | N.D. | N.D. | 0.01 |
| 39 | 2-Ethoxyethanol | | 110-80-5 | 203-804-1 | N.D. | N.D. | 0.01 |

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| | | | | | 1 | 2 | |
| 40 | Cobalt(II) diacetate* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 71-48-7 | 200-755-8 | N.D. | N.D. | 0.01 |
| 41 | Cobalt(II) carbonate* | | 513-79-1 | 208-169-4 | N.D. | N.D. | 0.01 |
| 42 | Cobalt(II) dinitrate* | | 10141-05-6 | 233-402-1 | N.D. | N.D. | 0.01 |
| 43 | Cobalt(II) sulphate* | | 10124-43-3 | 233-334-2 | N.D. | N.D. | 0.01 |
| 44 | Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid*, Dichromic acid*, Oligomers of chromic acid and dichromic acid* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis | 7738-94-5 13530-68-2 | 231-801-5 236-881-5 | N.D. | N.D. | 0.01 |
| Fifth batch | | | | | | | |
| 45 | 2-ethoxyethyl acetate | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 111-15-9 | 203-839-2 | N.D. | N.D. | 0.01 |
| 46 | Strontium chromate * | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis | 7789-06-2 | 232-142-6 | N.D. | N.D. | 0.01 |
| 47 | ^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) | EN 14372:2004 GC-MS | 68515-42-4 | 271-084-6 | N.D. | N.D. | 0.01 |
| 48 | Hydrazine | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 7803-57-8 302-01-2 | 206-114-9 | N.D. | N.D. | 0.01 |
| 49 | 1-methyl-2-pyrrolidone | | 872-50-4 | 212-828-1 | N.D. | N.D. | 0.01 |
| 50 | 1,2,3-trichloropropane | | 96-18-4 | 202-486-1 | N.D. | N.D. | 0.01 |
| 51 | ^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) | EN 14372:2004 GC-MS | 71888-89-6 | 276-158-1 | N.D. | N.D. | 0.01 |

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|-------------|---|--|------------|-----------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| Sixth batch | | | | | | | |
| 52 | Dichromium tris(chromate) * | EPA 3050B:1996& EPA 3052:1996& | 24613-89-6 | 246-356-2 | N.D. | N.D. | 0.01 |
| 53 | Potassium hydroxyoctaoxidizincate di-chromate* | EPA 6010C:2007 ICP-OES & UV-Vis | 11103-86-9 | 234-329-8 | N.D. | N.D. | 0.01 |
| 54 | Pentazinc chromate octahydroxide *** | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 49663-84-5 | 256-418-0 | N.D. | N.D. | 0.01 |
| 55 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | EPA 3550C:2007& EPA 8321B:2007 HPLC | 25214-70-4 | 500-036-1 | N.D. | N.D. | 0.01 |
| 56 | Bis(2-methoxyethyl) phthalate (DMEP) | EN 14372:2004 GC-MS | 117-82-8 | 204-212-6 | N.D. | N.D. | 0.01 |
| 57 | 2-Methoxyaniline; o-Anisidine | | 90-04-0 | 201-963-1 | N.D. | N.D. | 0.01 |
| 58 | 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol) | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 140-66-9 | 205-426-2 | N.D. | N.D. | 0.01 |
| 59 | 1,2-Dichloroethane | | 107-06-2 | 203-458-1 | N.D. | N.D. | 0.01 |
| 60 | Bis(2-methoxyethyl) ether | | 111-96-6 | 203-924-4 | N.D. | N.D. | 0.01 |
| 61 | Arsenic acid* | EPA 3050B:1996& EPA 3052:1996& | 7778-39-4 | 231-901-9 | N.D. | N.D. | 0.01 |
| 62 | Calcium arsenate* | EPA 6010C:2007 ICP-OES | 7778-44-1 | 231-904-5 | N.D. | N.D. | 0.01 |
| 63 | Trilead diarsenate* | | 3687-31-8 | 222-979-5 | N.D. | N.D. | 0.01 |
| 64 | N,N-dimethylacetamide (DMAC) | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 127-19-5 | 204-826-4 | N.D. | N.D. | 0.01 |

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|---------------|--|--|------------|-----------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| 65 | Phenolphthalein | EPA 3550C:2007& EPA 8321B:2007 HPLC | 77-09-8 | 201-004-7 | N.D. | N.D. | 0.01 |
| 66 | 2,2'-dichloro-4,4'-methyle nedianiline (MOCA) | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 101-14-4 | 202-918-9 | N.D. | N.D. | 0.01 |
| 67 | Lead azide; Lead diazide* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 13424-46-9 | 236-542-1 | N.D. | N.D. | 0.01 |
| 68 | Lead styphnate* | | 15245-44-0 | 239-290-0 | N.D. | N.D. | 0.01 |
| 69 | Lead dipicrate* | | 6477-64-1 | 229-335-2 | N.D. | N.D. | 0.01 |
| 70 | ² Aluminosilicate Refractory Ceramic Fibres (RCF) | | - | - | N.D. | N.D. | 0.01 |
| 71 | ² Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) | | - | - | N.D. | N.D. | 0.01 |
| Seventh batch | | | | | | | |
| 72 | 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme) | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 112-49-2 | 203-977-3 | N.D. | N.D. | 0.01 |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | | 110-71-4 | 203-794-9 | N.D. | N.D. | 0.01 |
| 74 | Diboron trioxide* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 1303-86-2 | 215-125-8 | N.D. | N.D. | 0.01 |
| 75 | Lead(II)bis(methanesulfon ate)* | | 17570-76-2 | 401-750-5 | N.D. | N.D. | 0.01 |
| 76 | Formamide | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 75-12-7 | 200-842-0 | N.D. | N.D. | 0.01 |
| 77 | 1,3,5-tris(oxiranylmethyl)- 1,3,5-triazine-2,4,6(1H,3H ,5H)-trione (TGIC) | EPA 3550C:2007& EPA 8321B:2007 HPLC | 2451-62-9 | 219-514-3 | N.D. | N.D. | 0.01 |
| 78 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3, 5-triazine-2,4,6-(1H,3H,5 H)-trione (β -TGIC) | | 59653-74-6 | 423-400-0 | N.D. | N.D. | 0.01 |

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| 79 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 90-94-8 | 202-027-5 | N.D. | N.D. | 0.01 |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | | 101-61-1 | 202-959-2 | N.D. | N.D. | 0.01 |
| 81 | [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | EPA 3550C:2007& EPA 8321B:2007 HPLC | 548-62-9 | 208-953-6 | N.D. | N.D. | 0.01 |
| 82 | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | | 2580-56-5 | 219-943-6 | N.D. | N.D. | 0.01 |
| 83 | α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | | 6786-83-0 | 229-851-8 | N.D. | N.D. | 0.01 |
| 84 | 4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) | | 561-41-1 | 209-218-2 | N.D. | N.D. | 0.01 |

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| | | | | | 1 | 2 | |
| Eighth batch | | | | | | | |
| 85 | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | IEC 62321-6:2015 GC-MS | 1163-19-5 | 214-604-9 | N.D. | N.D. | 0.01 |
| 86 | Pentacosafuorotridecanoic acid | EPA 3550C:2007& EPA 8321B:2007 HPLC | 72629-94-8 | 276-745-2 | N.D. | N.D. | 0.01 |
| 87 | Tricosafuorododecanoic acid | | 307-55-1 | 206-203-2 | N.D. | N.D. | 0.01 |
| 88 | Henicosafuoroundecanoic acid | | 2058-94-8 | 218-165-4 | N.D. | N.D. | 0.01 |
| 89 | Heptacosafuorotetradecanoic acid | | 376-06-7 | 206-803-4 | N.D. | N.D. | 0.01 |
| 90 | ^① 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | EPA 3550C:2007& EPA 8270D:2014 GC-MS | - | - | N.D. | N.D. | 0.01 |
| 91 | ^① 4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | | - | - | N.D. | N.D. | 0.01 |
| 92 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | EPA 3550C:2007& EPA 8321B:2007 HPLC | 123-77-3 | 204-650-8 | N.D. | N.D. | 0.01 |
| 93 | Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 25550-51-0 19438-60-9 48122-14-1 57110-29-9 | 247-094-1 243-072-0 256-356-4 260-566-1 | N.D. | N.D. | 0.01 |

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Substance information & Method & Result(s) :

Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|-----|--|-----------------------------------|---------------------------------------|---------------------------------------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| 94 | Cyclohexane-1,2-dicarboxylic anhydride | EPA 3550C:2007& | 85-42-7, 13149-00-3, 14166-21-3 | 201-604-9, 236-086-3, 238-009-9 | N.D. | N.D. | 0.01 |
| 95 | Methoxy acetic acid | EPA 8270D:2014 | 625-45-6 | 210-894-6 | N.D. | N.D. | 0.01 |
| 96 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | GC-MS | 84777-06-0 | 284-032-2 | N.D. | N.D. | 0.01 |
| 97 | Diisopentylphthalate (DIPP) | EN 14372:2004 GC-MS | 605-50-5 | 210-088-4 | N.D. | N.D. | 0.01 |
| 98 | N-pentyl-isopentylphthalate | | 776297-69-9 | - | N.D. | N.D. | 0.01 |
| 99 | 1,2-diethoxyethane | EPA 3550C:2007& | 629-14-1 | 211-076-1 | N.D. | N.D. | 0.01 |
| 100 | N,N-dimethylformamide | EPA 8270D:2014 GC-MS | 68-12-2 | 200-679-5 | N.D. | N.D. | 0.01 |
| 101 | Dibutyltin dichloride (DBTC) | ISO 17353:2004(E) GC-MS | 683-18-1 | 211-670-0 | N.D. | N.D. | 0.01 |
| 102 | Acetic acid, lead salt, basic* | | 51404-69-4 | 257-175-3 | N.D. | N.D. | 0.01 |
| 103 | Trilead bis(carbonate) dihydroxide* | | 1319-46-6 | 215-290-6 | N.D. | N.D. | 0.01 |
| 104 | Lead oxide sulfate* | | 12036-76-9 | 234-853-7 | N.D. | N.D. | 0.01 |
| 105 | [Phthalato(2-)]dioxotrilead * | | 69011-06-9 | 273-688-5 | N.D. | N.D. | 0.01 |
| 106 | Dioxobis(stearato)trilead * | | 12578-12-0 | 235-702-8 | N.D. | N.D. | 0.01 |
| 107 | Fatty acids, C16-18, lead salts* | | 91031-62-8 | 292-966-7 | N.D. | N.D. | 0.01 |
| 108 | Lead bis(tetrafluoroborate)* | EPA 3050B:1996& EPA 3052:1996& | 13814-96-5 | 237-486-0 | N.D. | N.D. | 0.01 |
| 109 | Lead cyanamate* | EPA 6010C:2007 ICP-OES | 20837-86-9 | 244-073-9 | N.D. | N.D. | 0.01 |
| 110 | Lead dinitrate* | | 10099-74-8 | 233-245-9 | N.D. | N.D. | 0.01 |
| 111 | Lead oxide (lead monoxide)* | | 1317-36-8 | 215-267-0 | N.D. | N.D. | 0.01 |
| 112 | Lead tetroxide (orange lead)* | | 1314-41-6 | 215-235-6 | N.D. | N.D. | 0.01 |
| 113 | Lead titanium trioxide* | | 12060-00-3 | 235-038-9 | N.D. | N.D. | 0.01 |
| 114 | Lead Titanium Zirconium Oxide* | | 12626-81-2 | 235-727-4 | N.D. | N.D. | 0.01 |
| 115 | ²⁰⁷ Pentalead tetraoxide sulphate* | | 12065-90-6 | 235-067-7 | N.D. | N.D. | 0.01 |

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Substance information & Method & Result(s) :

Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|-----|--|---|--|-----------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| 116 | ² Pyrochlore, antimony lead yellow * | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 8012-00-8 | 232-382-1 | N.D. | N.D. | 0.01 |
| 117 | ² Silicic acid, barium salt, lead-doped* | | 68784-75-8 | 272-271-5 | N.D. | N.D. | 0.01 |
| 118 | Silicic acid, lead salt* | | 11120-22-2 | 234-363-3 | N.D. | N.D. | 0.01 |
| 119 | Sulfurous acid, lead salt, dibasic* | | 62229-08-7 | 263-467-1 | N.D. | N.D. | 0.01 |
| 120 | Tetraethyllead* | | 78-00-2 | 201-075-4 | N.D. | N.D. | 0.01 |
| 121 | Tetralead trioxide sulphate* | | 12202-17-4 | 235-380-9 | N.D. | N.D. | 0.01 |
| 122 | Trilead dioxide phosphonate* | | 12141-20-7 | 235-252-2 | N.D. | N.D. | 0.01 |
| 123 | Furan | | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 110-00-9 | 203-727-3 | N.D. | N.D. |
| 124 | Methyloxirane (Propylene oxide) | EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS | 75-56-9 | 200-879-2 | N.D. | N.D. | 0.01 |
| 125 | Diethyl sulphate | EPA 3550C:2007& EPA 8321B:2007 HPLC | 64-67-5 | 200-589-6 | N.D. | N.D. | 0.01 |
| 126 | Dimethyl sulphate | | 77-78-1 | 201-058-1 | N.D. | N.D. | 0.01 |
| 127 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 143860-04-2 | 421-150-7 | N.D. | N.D. | 0.01 |
| 128 | Dinoseb | | 88-85-7 | 201-861-7 | N.D. | N.D. | 0.01 |
| 129 | 4,4'-methylenedi- <i>o</i> -toluidine | | 838-88-0 | 212-658-8 | N.D. | N.D. | 0.01 |
| 130 | 4,4'-oxydianiline and its salts | | 101-80-4 | 202-977-0 | N.D. | N.D. | 0.01 |
| 131 | 4-aminoazobenzene | | 60-09-3 | 200-453-6 | N.D. | N.D. | 0.01 |
| 132 | 4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine) | | 95-80-7 | 202-453-1 | N.D. | N.D. | 0.01 |
| 133 | 6-methoxy- <i>m</i> -toluidine (p-cresidine) | | 120-71-8 | 204-419-1 | N.D. | N.D. | 0.01 |
| 134 | Biphenyl-4-ylamine | | 92-67-1 | 202-177-1 | N.D. | N.D. | 0.01 |
| 135 | <i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)] | | 97-56-3 | 202-591-2 | N.D. | N.D. | 0.01 |
| 136 | <i>o</i> -toluidine | | 95-53-4 | 202-429-0 | N.D. | N.D. | 0.01 |

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Substance information & Method & Result(s) :

Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|-------------|---|---|-----------|-----------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| 137 | N-methylacetamide | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 79-16-3 | 201-182-6 | N.D. | N.D. | 0.01 |
| 138 | 1-bromopropane (n-propyl bromide) | EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS | 106-94-5 | 203-445-0 | N.D. | N.D. | 0.01 |
| Ninth batch | | | | | | | |
| 139 | ^① 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 3550C:2007& EPA 8270D:2014 GC-MS | - | - | N.D. | N.D. | 0.01 |
| 140 | Cadmium | EPA 3050B:1996& EPA 3052:1996& | 7440-43-9 | 231-152-8 | N.D. | N.D. | 0.01 |
| 141 | Cadmium oxide* | EPA 6010C:2007 ICP-OES | 1306-19-0 | 215-146-2 | N.D. | N.D. | 0.01 |
| 142 | Ammonium pentadecafluorooctanoate (APFO) | EPA 3550C:2007& EPA 8321B:2007 HPLC | 3825-26-1 | 223-320-4 | N.D. | N.D. | 0.01 |
| 143 | Pentadecafluorooctanoic acid (PFOA) | | 335-67-1 | 206-397-9 | N.D. | N.D. | 0.01 |
| 144 | Dipentyl phthalate (DPP) | EN 14372:2004 GC-MS | 131-18-0 | 205-017-9 | N.D. | N.D. | 0.01 |

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Substance information & Method & Result(s):

Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|----------------|--|--|------------|------------------------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| Tenth batch | | | | | | | |
| 145 | Cadmium sulphide * | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 1306-23-6 | 215-147-8 | N.D. | N.D. | 0.01 |
| 146 | Dihexyl phthalate(DnHP) | EN 14372:2004 GC-MS | 84-75-3 | 201-559-5 | N.D. | N.D. | 0.01 |
| 147 | ² Disodium 3,3'-[[1,1'-biphenyl]-4,4'-di yl]bis(azo)]bis(4-aminona phthalene-1-sulphonate) (C.I. Direct Red 28) | EPA 3550C:2007& EPA 8321B:2007 HPLC | 573-58-0 | 209-358-4 | N.D. | N.D. | 0.01 |
| 148 | ² Disodium 4-amino-3-[[4'-(2,4-diam inophenyl)azo][1,1'-biphe nyl]-4-yl]azo] -5-hydroxy-6-(phenylazo) naphthalene-2,7-disulpho nate (C.I. Direct Black 38) | | 1937-37-7 | 217-710-3 | N.D. | N.D. | 0.01 |
| 149 | Imidazolidine-2-thione; 2-imidazoline-2-thiol | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 96-45-7 | 202-506-9 | N.D. | N.D. | 0.01 |
| 150 | Trixylyl phosphate | | 25155-23-1 | 246-677-8 | N.D. | N.D. | 0.01 |
| 151 | Lead di(acetate) * | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 301-04-2 | 206-104-4 | N.D. | N.D. | 0.01 |
| Eleventh batch | | | | | | | |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | EN 14372:2004 GC-MS | 68515-50-4 | 271-093-5 | N.D. | N.D. | 0.01 |
| 153 | Cadmium chloride* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 10108-64-2 | 233-296-7 | N.D. | N.D. | 0.01 |
| 154 | Sodium perborate; perboric acid, sodium salt* | | - | 239-172-9 234-390-0 | N.D. | N.D. | 0.01 |
| 155 | Sodium peroxometaborate* | | 7632-04-4 | 231-556-4 | N.D. | N.D. | 0.01 |

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Substance information & Method & Result(s):

Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|---------------|---|--|--------------------------|-----------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| Twelfth batch | | | | | | | |
| 156 | 2-(2H-benzotriazol-2-yl)- 4,6-ditertpentylphenol (UV-328) | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 25973-55-1 | 247-384-8 | N.D. | N.D. | 0.01 |
| 157 | 2-benzotriazol-2-yl-4,6-di- tert-butylphenol (UV-320) | | 3846-71-7 | 223-346-6 | N.D. | N.D. | 0.01 |
| 158 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-ox o-8-oxa-3,5-dithia-4-stann atetradecanoate (DOTE) | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 15571-58-1 | 239-622-4 | N.D. | N.D. | 0.01 |
| 159 | Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-ox o-8-oxa-3,5-dithia-4-stann atetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhe xyl)oxy]-2-oxoethyl]thio] -4-octyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecano ate (reaction mass of DOTE and MOTE) | | - | - | N.D. | N.D. | 0.01 |
| 160 | Cadmium fluoride* | EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES | 7790-79-6 | 232-222-0 | N.D. | N.D. | 0.01 |
| 161 | Cadmium sulphate* | | 10124-36-4 31119-53-6 | 233-331-6 | N.D. | N.D. | 0.01 |

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Substance information & Method & Result(s) :

Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|------------------|--|--|--------------------------|------------------------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| Thirteenth batch | | | | | | | |
| 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 | N.D. | N.D. | 0.01 |
| 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] | EPA 3550C:2007& EPA 8270D:2014 GC-MS | - | - | N.D. | N.D. | 0.01 |

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Substance information & Method & Result(s) :

Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|------------------|---|---|--------------------------------------|-----------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| Fourteenth batch | | | | | | | |
| 164 | 1,3-propanesultone | EPA 3540C:1996, GC-FID | 1120-71-4 | 214-317-9 | N.D. | N.D. | 0.01 |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | EPA 3540C:1996& EPA 8321B:2007, HPLC | 3864-99-1 | 223-383-8 | N.D. | N.D. | 0.01 |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | | 36437-37-3 | 253-037-1 | N.D. | N.D. | 0.01 |
| 167 | Nitrobenzene | EPA 3540C:1996, GC-FID | 98-95-3 | 202-716-0 | N.D. | N.D. | 0.01 |
| 168 | Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorooxonanoic acid and its sodium and ammonium salts) | EPA 3540C:1996& EPA 8321B:2007, LC-MS | 375-95-1, 21049-39-8 4149-60-4 | 206-801-3 | N.D. | N.D. | 0.01 |
| Fifteenth batch | | | | | | | |
| 169 | Benzo[def]chrysene (Benzo[a]pyrene) | AfPS ProdSG:2014 GC-MS | 50-32-8 | 200-028-5 | N.D. | N.D. | 0.01 |

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Unit: %

| No. | Substance Name(s) | Refer to Method/ Equipment | CAS No. | EC No. | Result(s) | | Report Limit |
|-------------------|--|--|------------------------------------|-----------------------------|-----------|------|-----------------|
| | | | | | 1 | 2 | |
| Sixteenth batch | | | | | | | |
| 170 | 4,4'-isopropylidenediphenol (bisphenol A) | EPA 3550C:2007& EPA 8321B:2007, HPLC | 80-05-7 | 201-245-8 | N.D. | N.D. | 0.01 |
| 171 | 4-tert-pentylphenol (PTAP) | | 80-46-6 | 201-280-9 | N.D. | N.D. | 0.01 |
| 172 | 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 3550C:2007& EPA 8270D:2014 GC-MS | - | - | N.D. | N.D. | 0.01 |
| 173 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | EPA 3550C:2007& EPA 8321B:2007, HPLC | 3108-42-7 335-76-2 3830-45-3 | - 206-400-3 221-470-5 | N.D. | N.D. | 0.01 |
| Seventeenth batch | | | | | | | |
| 174 | Perfluorohexane-1-sulphonic acid and its salts | EPA 3550C:2007& EPA 8270D:2014 GC-MS | 355-46-4 | 206-587-1 | N.D. | N.D. | 0.01 |

- Remarks:**
1. If a SVHC found over 0.1%, 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.
 2. According to the specified scope and analytical technique concentrations of all 174 SVHC are less than 0.1% in the submitted sample(s).
 3. The report limit = Results below this value will be stated as N.D.
 4. As specified by client, the submitted samples were mixed to test.

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Note: - N.D.=Not Detected (<report limit)

-0.1%=1000mg/kg

-*: Inorganic SVHC compounds are obtained by converting the test results of cobalt, chloride, sodium, arsenic, chromium, potassium, lead, boron, zirconium, titanium, phosphorus, calcium, zinc, strontium, molybdenum, aluminum and cadmium elements, and confirmed through the appropriate solvent extraction. At the same time, customers are suggested to check the chemical formula table, to further confirm whether above materials are contained.

-**: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation(EC) No 1272/2008).

-***: C.I.:Colour Index

-****: Light fractions from distillation

-①: In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.

-②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.

Sample Description:

| | |
|---|----------------|
| 1 | Metal mixed |
| 2 | Nonmetal mixed |

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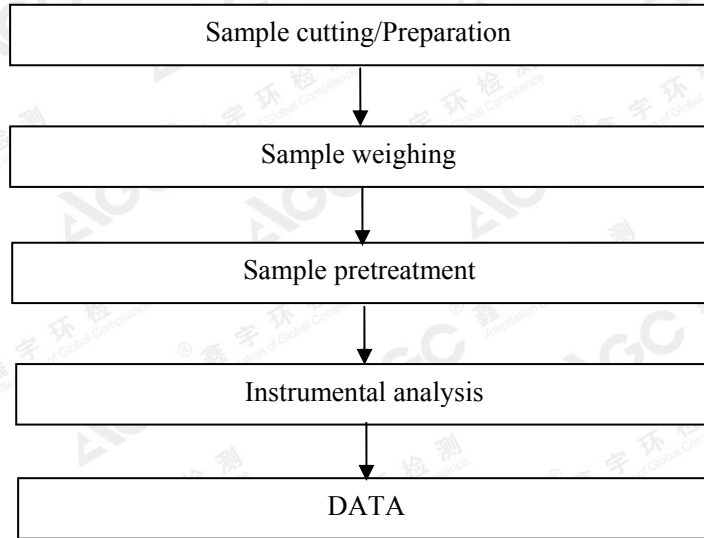
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Test Flow Chart



The photo of the sample



AGC authenticate the photo on original report only
*** End of Report***

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