

TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 1 of 36

Shanghai Simcom Wireless Solution Ltd.
No.633 JinZhong Rd, ChangNing District Shanghai, PRC China

Report on the submitted samples said to be:

Sample Name : GNSS Moudle
Style/ Item No. : SIM28ML
Sample Receiving Date : August 4, 2015
Testing Period : From August 4, 2015 to August 12, 2015
Results : Please refer to next page(s).

Summary of Test Results:

TEST REQUEST


Summary


One hundred and sixty three (163) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before June 15, 2015 regarding Regulation (EC) No 1907/2006 concerning the REACH

See Remark

Remark : According to the specified scope and analytical technique, concentrations of all 163 SVHC are <0.1% in the submitted sample(s)

Signed for and on behalf of BACL

Checked by: 
Jane Xu
Technical Supervisor

Approved by: 
William Wei
Laboratory Manager

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Bay Area Compliance Laboratories Corp. (Dongguan)

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 2 of 36

Results:

Tested part(s): The tested parts of submitted sample are as following:

| Item | No. | Test Part(s) |
|--------------|-----|---|
| (1) Nonmetal | 1 | Yellow plastic with black/white printing(label) |
| (2) Metal | 1 | Silvery metal(shield) |
| (3) PCB | 1 | Green PCB with EC |

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Page 3 of 36

A. One hundred and sixty three (163) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before June 15, 2015 regarding Regulation (EC) No 1907/2006 concerning the REACH

Test method: With reference to in- house method, Analysis is performed by ICP-AES ,UV-VIS, IC,GC-MS, Headspace GC-MS, LC-MS/MS, HPLC-TS-MS.

| No. | Item | CAS No. | EC No. | Unit | MDL | Results | | Category |
|-----|---|--|----------------------|------|-------|---------|------|----------|
| | | | | | | (1) | (2) | |
| 1 | Anthracene(ANT) | 120-12-7 | 204-371-1 | % | 0.001 | N.D. | N.D. | PBT |
| 2 | 4,4'-Diaminodiphenylmethane (MDA) | 101-77-9 | 202-974-4 | % | 0.001 | N.D. | N.D. | CMR |
| 3 | Dibutyl Phthalate(DBP) | 84-74-2 | 201-557-4 | % | 0.003 | N.D. | N.D. | CMR |
| 4 | Cobalt Dichloride(CoCl ₂)* | 7646-79-9 | 231-589-4 | % | 0.010 | N.D. | N.D. | CMR |
| 5 | Diarsenic Pentaoxide(As ₂ O ₅)* | 1303-28-2 | 215-116-9 | % | 0.002 | N.D. | N.D. | CMR |
| 6 | Diarsenic Trioxide(As ₂ O ₃)* | 1327-53-3 | 215-481-4 | % | 0.002 | N.D. | N.D. | CMR |
| 7 | Sodium Dichromate, Dihydrate* | 7789-12-0, 10588-01-9 | 234-190-3 | % | 0.004 | N.D. | N.D. | CMR |
| 8 | 5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene) | 81-15-2 | 201-329-4 | % | 0.003 | N.D. | N.D. | vPvB |
| 9 | Bis-(2-ethyl(hexyl) Phthalate (DEHP) | 117-81-7 | 204-211-0 | % | 0.003 | N.D. | N.D. | CMR |
| 10 | Hexabromocyclododecane (HBCDD) | 25637-99-4 & 3194-55-6 (134237-51-7,1 34237-50-6,13 4237-52-8) | 247-148-4, 221-695-9 | % | 0.005 | N.D. | N.D. | PBT |
| 11 | Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP) | 85535-84-8 | 287-476-5 | % | 0.010 | N.D. | N.D. | PBT |
| 12 | Bis(tributyltin)oxide(TBTO)** | 56-35-9 | 200-268-0 | % | 0.003 | N.D. | N.D. | PBT |
| 13 | Lead Hydrogen Arsenate* | 7784-40-9 | 232-064-2 | % | 0.005 | N.D. | N.D. | CMR |
| 14 | Benzyl Butyl Phthalate(BBP) | 85-68-7 | 201-622-7 | % | 0.003 | N.D. | N.D. | CMR |
| 15 | Triethyl Arsenate* | 15606-95-8 | 427-700-2 | % | 0.003 | N.D. | N.D. | CMR |

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Page 4 of 36

| No. | Item | CAS No. | EC No. | Unit | MDL | Results | | Category |
|-----|--|------------|-----------|------|-------|---------|------|----------|
| | | | | | | (1) | (2) | |
| 16 | Anthracene oil*** | 90640-80-5 | 292-602-7 | % | 0.005 | N.D. | N.D. | PBT |
| 17 | Anthracene oil , anthracene paste, distn . Lights*** | 91995-17-4 | 295-278-5 | % | 0.005 | N.D. | N.D. | PBT |
| 18 | Anthracene oil, anthracene paste, anthracene fraction*** | 91995-15-2 | 295-275-9 | % | 0.005 | N.D. | N.D. | PBT |
| 19 | Anthracene oil, anthracene-low*** | 90640-82-7 | 292-604-8 | % | 0.005 | N.D. | N.D. | PBT |
| 20 | Anthracene oil, anthracene paste*** | 90640-81-6 | 292-603-2 | % | 0.003 | N.D. | N.D. | PBT |
| 21 | Diisobutyl phthalate | 84-69-5 | 201-553-2 | % | 0.003 | N.D. | N.D. | CMR |
| 22 | 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | % | 0.003 | N.D. | N.D. | CMR |
| 23 | coal tar pitch, high temperature*** | 65996-93-2 | 266-028-2 | % | 0.005 | N.D. | N.D. | PBT |
| 24 | tris(2-chloroethyl)phosphate | 115-96-8 | 204-118-5 | % | 0.005 | N.D. | N.D. | CMR |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | 215-693-7 | % | 0.005 | N.D. | N.D. | CMR |
| 26 | Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 12656-85-8 | 235-759-9 | % | 0.005 | N.D. | N.D. | CMR |
| 27 | Lead chromate: chrome yellow | 7758-97-6 | 231-846-0 | % | 0.005 | N.D. | N.D. | CMR |
| 28 | Acrylamide | 79-06-1 | 201-173-7 | % | 0.001 | N.D. | N.D. | CMR |

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Page 5 of 36

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|-----|---|--|-------------------------|------|-------|---------|------|----------|
| | | | | | | (1) | (2) | |
| 29 | Trichloroethylene | 79-01-6 | 201-167-4 | % | 0.003 | N.D. | N.D. | CMR |
| 30 | Boric acid | 10043-35-3; 11113-50-1 | 233-139-2; 234-343-4 | % | 0.005 | N.D. | N.D. | CMR |
| 31 | Disodium tetraborate, anhydrous* | 1330-43-4; 12179-04-3; 1303-96-4 | 215-540-4 | % | 0.005 | N.D. | N.D. | CMR |
| 32 | Tetraboron disodium heptaoxide, hydrate* | 12267-73-1 | 235-541-3 | % | 0.005 | N.D. | N.D. | CMR |
| 33 | Sodium chromate* | 7775-11-3 | 231-889-5 | % | 0.005 | N.D. | N.D. | CMR |
| 34 | Potassium chromate* | 7789-00-6 | 232-140-5 | % | 0.005 | N.D. | N.D. | CMR |
| 35 | Ammonium dichromate* | 7789-09-5 | 232-143-1 | % | 0.005 | N.D. | N.D. | CMR |
| 36 | Potassium dichromate * | 7778-50-9 | 231-906-6 | % | 0.005 | N.D. | N.D. | CMR |

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Page 6 of 36

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|-----|--|-------------------------|------------------------|------|-------|---------|------|----------|
| | | | | | | (1) | (2) | |
| 37 | Cobalt(II) sulfate* | 10124-43-3 | 233-334-2 | % | 0.005 | N.D. | N.D. | CMR |
| 38 | Cobalt(II) dinitrate* | 10141-05-6 | 233-402-1 | % | 0.005 | N.D. | N.D. | CMR |
| 39 | Cobalt(II) carbonate* | 513-79-1 | 208-169-4 | % | 0.005 | N.D. | N.D. | CMR |
| 40 | Cobalt(II) diacetate* | 71-48-7 | 200-755-8 | % | 0.005 | N.D. | N.D. | CMR |
| 41 | 2-Methoxyethanol | 109-86-4 | 203-713-7 | % | 0.005 | N.D. | N.D. | CMR |
| 42 | 2-Ethoxyethanol | 110-80-5 | 203-804-1 | % | 0.005 | N.D. | N.D. | CMR |
| 43 | Chromium trioxide* | 1333-82-0 | 215-607-8 | % | 0.005 | N.D. | N.D. | CMR |
| 44 | 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. | N.D. | CMR |

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Page 7 of 36

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|-----|---|-----------------------|-----------|------|-------|---------|------|----------|
| | | | | | | (1) | (2) | |
| 45 | 2-ethoxyethylacetate | 111-15-9 | 203-839-2 | % | 0.005 | N.D. | N.D. | CMR |
| 46 | strontium chromate* | 7789-06-2 | 232-142-6 | % | 0.005 | N.D. | N.D. | CMR |
| 47 | 1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP) | 68515-42-4 | 271-084-6 | % | 0.005 | N.D. | N.D. | CMR |
| 48 | Hydrazine | 7803-57-8 302-01-2 | 206-114-9 | % | 0.005 | N.D. | N.D. | CMR |
| 49 | 1-Methyl-2-pyrrolidinone | 872-50-4 | 212-828-1 | % | 0.005 | N.D. | N.D. | CMR |
| 50 | 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | % | 0.005 | N.D. | N.D. | CMR |
| 51 | 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP). | 71888-89-6 | 276-158-1 | % | 0.005 | N.D. | N.D. | CMR |

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Page 8 of 36

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|-----|---|------------|-----------|------|-------|---------|------|--|
| | | | | | | (1) | (2) | |
| 52 | Zirconia Aluminosilicate Refractory Ceramic Fibres**** | / | / | % | 0.005 | N.D. | N.D. | CMR |
| 53 | Calcium arsenate* | 7778-44-1 | 231-904-5 | % | 0.005 | N.D. | N.D. | CMR |
| 54 | Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | % | 0.005 | N.D. | N.D. | CMR |
| 55 | Aluminosilicate Refractory Ceramic Fibres**** | / | / | % | 0.005 | N.D. | N.D. | CMR |
| 56 | Potassium hydroxyoctaoxodizincatedichromate* | 11103-86-9 | 234-329-8 | % | 0.005 | N.D. | N.D. | CMR |
| 57 | Lead dipicrate, | 6477-64-1 | 229-335-2 | % | 0.005 | N.D. | N.D. | CMR |
| 58 | N,N-dimethylacetamide | 127-19-5 | 204-826-4 | % | 0.005 | N.D. | N.D. | CMR |
| 59 | Arsenic acid | 7778-39-4 | 231-901-9 | % | 0.005 | N.D. | N.D. | CMR |
| 60 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | 201-963-1 | % | 0.005 | N.D. | N.D. | CMR |
| 61 | Trilead diarsenate* | 3687-31-8 | 222-979-5 | % | 0.005 | N.D. | N.D. | CMR |
| 62 | 1,2-dichloroethane | 107-06-2 | 203-458-1 | % | 0.005 | N.D. | N.D. | CMR |
| 63 | Pentazinc chromate octahydroxide | 49663-84-5 | 256-418-0 | % | 0.005 | N.D. | N.D. | CMR |
| 64 | 4-(1,1,3,3-tetramethylbutyl)phenol | 140-66-9 | 205-426-2 | % | 0.005 | N.D. | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 65 | Formaldehyde, oligomeric reaction products with aniline | 25214-70-4 | 500-036-1 | % | 0.005 | N.D. | N.D. | CMR |
| 66 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | % | 0.005 | N.D. | N.D. | CMR |
| 67 | Lead diazide, Lead azide* | 13424-46-9 | 236-542-1 | % | 0.005 | N.D. | N.D. | CMR |
| 68 | Lead styphnate* | 15245-44-0 | 239-290-0 | % | 0.005 | N.D. | N.D. | CMR |
| 69 | 2,2'-dichloro-4,4'-methylenedianiline | 101-14-4 | 202-918-9 | % | 0.005 | N.D. | N.D. | CMR |
| 70 | Phenolphthalein | 77-09-8 | 201-004-7 | % | 0.005 | N.D. | N.D. | CMR |
| 71 | Dichromium tris(chromate)* | 24613-89-6 | 246-356-2 | % | 0.005 | N.D. | N.D. | CMR |

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Page 9 of 36

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| | | | | | | (1) | (2) | |
| 72 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | % | 0.005 | N.D. | N.D. | CMR |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | % | 0.005 | N.D. | N.D. | CMR |
| 74 | Diboron trioxide* | 1303-86-2 | 215-125-8 | % | 0.005 | N.D. | N.D. | CMR |
| 75 | Formamide | 75-12-7 | 200-842-0 | % | 0.005 | N.D. | N.D. | CMR |
| 76 | Lead(II) bis(methanesulfonate)* | 17570-76-2 | 401-750-5 | % | 0.005 | N.D. | N.D. | CMR |
| 77 | TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) | 2451-62-9 | 219-514-3 | % | 0.005 | N.D. | N.D. | CMR |
| 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 | % | 0.005 | N.D. | N.D. | CMR |
| 79 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | % | 0.005 | N.D. | N.D. | CMR |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | % | 0.005 | N.D. | N.D. | CMR |
| 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 | % | 0.005 | N.D. | N.D. | CMR |
| 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 | % | 0.005 | N.D. | N.D. | CMR |
| 83 | α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol(C.I. Solvent Blue 4)***** | 6786-83-0 | 229-851-8 | % | 0.005 | N.D. | N.D. | CMR |
| 84 | 4,4'-bis(dimethylamino)-4''-(methylanino)trityl alcohol***** | 561-41-1 | 209-218-2 | % | 0.005 | N.D. | N.D. | CMR |

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Page 10 of 36

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| | | | | | | (1) | (2) | |
| 85 | Bis(pentabromophenyl) ether | 1163-19-5 | 214-604-9 | % | 0.005 | N.D. | N.D. | PBT |
| 86 | Pentacosafuorotridecanoic acid | 72629-94-8 | 276-745-2 | % | 0.005 | N.D. | N.D. | vPvB |
| 87 | Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 | % | 0.005 | N.D. | N.D. | vPvB |
| 88 | Henicosafuoroundecanoic acid | 2058-94-8 | 218-165-4 | % | 0.005 | N.D. | N.D. | vPvB |
| 89 | Heptacosafuorotetradecanoic acid | 376-06-7 | 206-803-4 | % | 0.005 | N.D. | N.D. | vPvB |
| 90 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues | / | / | % | 0.005 | N.D. | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 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 | / | / | % | 0.005 | N.D. | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 92 | Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 | % | 0.005 | N.D. | N.D. | Equivalent level of concern having probable serious effects to the environment |

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Page 11 of 36

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|-----|--|---|---|------|-------|---------|------|--|
| | | | | | | (1) | (2) | |
| 93 | Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry | 85-42-7 13149-00-3 14166-21-3 | 201-604-9 236-086-3 238-009-9 | % | 0.005 | N.D. | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 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 | % | 0.005 | N.D. | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 95 | Methoxy acetic acid | 625-45-6 | 210-894-6 | % | 0.005 | N.D. | N.D. | CMR |
| 96 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 | % | 0.005 | N.D. | N.D. | CMR |
| 97 | Diisopentylphthalate (DIPP) | 605-50-5 | 210-088-4 | % | 0.005 | N.D. | N.D. | CMR |
| 98 | N-pentyl-isopentylphthalate | 776297-69-9 | / | % | 0.005 | N.D. | N.D. | CMR |
| 99 | 1,2-Diethoxyethane | 629-14-1 | 211-076-1 | % | 0.005 | N.D. | N.D. | CMR |
| 100 | N,N-dimethylformamide; dimethyl formamideN,N | 68-12-2 | 200-679-5 | % | 0.005 | N.D. | N.D. | CMR |
| 101 | Dibutyltin dichloride (DBT) | 683-18-1 | 211-670-0 | % | 0.005 | N.D. | N.D. | CMR |
| 102 | Acetic acid, lead salt, basic* | 51404-69-4 | 257-175-3 | % | 0.005 | N.D. | N.D. | CMR |
| 103 | Basic lead carbonate (trilead bis(carbonate)dihydroxide)* | 1319-46-6 | 215-290-6 | % | 0.005 | N.D. | N.D. | CMR |
| 104 | Lead oxide sulfate (basic lead sulfate)* | 12036-76-9 | 234-853-7 | % | 0.005 | N.D. | N.D. | CMR |
| 105 | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate)* | 69011-06-9 | 273-688-5 | % | 0.005 | N.D. | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 12 of 36

| No. | Item | CAS No. | EC No. | Unit | MDL | Results | | Category |
|-----|---|------------|-----------|------|-------|---------|------|----------|
| | | | | | | (1) | (2) | |
| 106 | Dioxobis(stearato)trilead* | 12578-12-0 | 235-702-8 | % | 0.005 | N.D. | N.D. | CMR |
| 107 | Fatty acids, C16-18, lead salts* | 91031-62-8 | 292-966-7 | % | 0.005 | N.D. | N.D. | CMR |
| 108 | Lead bis(tetrafluoroborate)* | 13814-96-5 | 237-486-0 | % | 0.005 | N.D. | N.D. | CMR |
| 109 | Lead cyanamate* | 20837-86-9 | 244-073-9 | % | 0.005 | N.D. | N.D. | CMR |
| 110 | Lead dinitrate* | 10099-74-8 | 233-245-9 | % | 0.005 | N.D. | N.D. | CMR |
| 111 | Lead oxide (lead monoxide)* | 1317-36-8 | 215-267-0 | % | 0.005 | N.D. | N.D. | CMR |
| 112 | Lead tetroxide (orange lead)* | 1314-41-6 | 215-235-6 | % | 0.005 | N.D. | N.D. | CMR |
| 113 | Lead titanium trioxide* | 12060-00-3 | 235-038-9 | % | 0.005 | N.D. | N.D. | CMR |
| 114 | Lead Titanium Zirconium Oxide* | 12626-81-2 | 235-727-4 | % | 0.005 | N.D. | N.D. | CMR |
| 115 | Pentalead tetraoxide sulphate* | 12065-90-6 | 235-067-7 | % | 0.005 | N.D. | N.D. | CMR |
| 116 | Pyrochlore, antimony lead yellow C.I.* | 8012-00-8 | 232-382-1 | % | 0.005 | N.D. | N.D. | CMR |
| 117 | Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped, [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]* | 68784-75-8 | 272-271-5 | % | 0.005 | N.D. | N.D. | CMR |
| 118 | Silicic acid, lead salt* | 11120-22-2 | 234-363-3 | % | 0.005 | N.D. | N.D. | CMR |
| 119 | Sulfurous acid, lead salt, dibasic* | 62229-08-7 | 263-467-1 | % | 0.005 | N.D. | N.D. | CMR |
| 120 | Tetraethyllead* | 78-00-2 | 201-075-4 | % | 0.005 | N.D. | N.D. | CMR |
| 121 | Tetralead trioxide sulphate* | 12202-17-4 | 235-380-9 | % | 0.005 | N.D. | N.D. | CMR |
| 122 | Trilead dioxide phosphonate* | 12141-20-7 | 235-252-2 | % | 0.005 | N.D. | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 13 of 36

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|-----|--|-------------|-----------|------|-------|---------|------|----------|
| | | | | | | (1) | (2) | |
| 123 | Furan | 110-00-9 | 203-727-3 | % | 0.005 | N.D. | N.D. | CMR |
| 124 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | 200-879-2 | % | 0.005 | N.D. | N.D. | CMR |
| 125 | Diethyl sulphate | 64-67-5 | 200-589-6 | % | 0.005 | N.D. | N.D. | CMR |
| 126 | Dimethyl sulphate | 77-78-1 | 201-058-1 | % | 0.005 | N.D. | N.D. | CMR |
| 127 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | % | 0.005 | N.D. | N.D. | CMR |
| 128 | Dinoseb | 88-85-7 | 201-861-7 | % | 0.005 | N.D. | N.D. | CMR |
| 129 | 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 | % | 0.005 | N.D. | N.D. | CMR |
| 130 | 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 | % | 0.005 | N.D. | N.D. | CMR |
| 131 | 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-3 | 200-453-6 | % | 0.005 | N.D. | N.D. | CMR |
| 132 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 95-80-7 | 202-453-1 | % | 0.005 | N.D. | N.D. | CMR |
| 133 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 | % | 0.005 | N.D. | N.D. | CMR |
| 134 | Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | % | 0.005 | N.D. | N.D. | CMR |
| 135 | o-aminoazotoluene | 97-56-3 | 202-591-2 | % | 0.005 | N.D. | N.D. | CMR |
| 136 | o-Toluidine; 2-Aminotoluene | 95-53-4 | 202-429-0 | % | 0.005 | N.D. | N.D. | CMR |
| 137 | N-methylacetamide | 79-16-3 | 201-182-6 | % | 0.005 | N.D. | N.D. | CMR |
| 138 | 1-bromopropane; n-propyl bromide | 106-94-5 | 203-445-0 | % | 0.005 | N.D. | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 14 of 36

| No. | Items | CAS No. | EC No. | Unit | MDL | Results | | Category |
|-----|---|-----------|-----------|------|-------|---------|------|--|
| | | | | | | (1) | (2) | |
| 139 | Cadmium | 7440-43-9 | 231-152-8 | % | 0.001 | N.D. | N.D. | CMR |
| 140 | Cadmium oxide * | 1306-19-0 | 215-146-2 | % | 0.005 | N.D. | N.D. | CMR |
| 141 | Ammonium pentadecafluorooctanoate(APFO) | 3825-26-1 | 223-320-4 | % | 0.005 | N.D. | N.D. | PBT |
| 142 | Pentadecafluorooctanoic acid(PFOA) | 335-67-1 | 206-397-9 | % | 0.005 | N.D. | N.D. | PBT |
| 143 | Dipentyl phthalate(DPP) | 131-18-0 | 205-017-9 | % | 0.005 | N.D. | N.D. | PBT |
| 144 | 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. | N.D. | Equivalent level of concern having probable serious effects to the environment |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 15 of 36

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|-----|---|------------|-----------|------|-------|---------|------|--|
| | | | | | | (1) | (2) | |
| 145 | Cadmium sulphide* | 1306-23-6 | 215-147-8 | % | 0.005 | N.D. | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 146 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 1937-37-7 | 217-710-3 | % | 0.005 | N.D. | N.D. | CMR |
| 147 | Dihexyl phthalate | 84-75-3 | 201-559-5 | % | 0.005 | N.D. | N.D. | PBT |
| 148 | Imidazolidine-2-thione(2-imidazoline-2-thiol) | 96-45-7 | 202-506-9 | % | 0.005 | N.D. | N.D. | PBT |
| 149 | Trixylyl phosphate | 25155-23-1 | 246-677-8 | % | 0.005 | N.D. | N.D. | PBT |
| 150 | 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) | 573-58-0 | 209-358-4 | % | 0.005 | N.D. | N.D. | CMR |
| 151 | Lead di(acetate)* | 301-04-2 | 206-104-4 | % | 0.005 | N.D. | N.D. | PBT |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 16 of 36

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|-----|--|------------|-------------------------|------|-------|---------|------|---|
| | | | | | | (1) | (2) | |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5 | % | 0.005 | N.D. | N.D. | PBT |
| 153 | Sodium perborate; perboric acid, sodium salt* | --- | 239-172-9; 234-390-0 | % | 0.005 | N.D. | N.D. | PBT |
| 154 | Sodium peroxometaborate* | 7632-04-4 | 231-556-4 | % | 0.005 | N.D. | N.D. | PBT |
| 155 | Cadmium chloride* | 10108-64-2 | 233-296-7 | % | 0.005 | N.D. | N.D. | CMR Equivalent level of concern having probable serious effects to the environment |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 17 of 36

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|-----|--|--------------------------|-----------|------|-------|---------|------|---|
| | | | | | | (1) | (2) | |
| 156 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | 223-346-6 | % | 0.005 | N.D. | N.D. | PBT; vPvB |
| 157 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | 239-622-4 | % | 0.005 | N.D. | N.D. | CMR |
| 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. | N.D. | CMR |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditert-pentylphenol (UV-328) | 25973-55-1 | 247-384-8 | % | 0.005 | N.D. | N.D. | PBT; vPvB |
| 160 | Cadmium fluoride* | 7790-79-6 | 232-222-0 | % | 0.005 | N.D. | N.D. | CMR Equivalent level of concern having probable serious effects to the environment |
| 161 | Cadmium sulphate* | 10124-36-4 31119-53-6 | 233-331-6 | % | 0.005 | N.D. | N.D. | CMR Equivalent level of concern having probable serious effects to the environment |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 18 of 36

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|-----|--|--------------------------|------------------------|------|-------|---------|------|----------|
| | | | | | | (1) | (2) | |
| 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 | % | 0.005 | N.D. | N.D. | CMR |
| 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 stereoisomers of [1] and [2] or any combination thereof] | --- | --- | % | 0.005 | N.D. | N.D. | vPvB |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 19 of 36

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|-----|---|--|----------------------|------|-------|---------|----------|
| | | | | | | (3) | |
| 1 | Anthracene(ANT) | 120-12-7 | 204-371-1 | % | 0.001 | N.D. | PBT |
| 2 | 4,4'-Diaminodiphenylmethane (MDA) | 101-77-9 | 202-974-4 | % | 0.001 | N.D. | CMR |
| 3 | Dibutyl Phthalate(DBP) | 84-74-2 | 201-557-4 | % | 0.003 | N.D. | CMR |
| 4 | Cobalt Dichloride(CoCl ₂)* | 7646-79-9 | 231-589-4 | % | 0.010 | N.D. | CMR |
| 5 | Diarsenic Pentaoxide(As ₂ O ₅)* | 1303-28-2 | 215-116-9 | % | 0.002 | N.D. | CMR |
| 6 | Diarsenic Trioxide(As ₂ O ₃)* | 1327-53-3 | 215-481-4 | % | 0.002 | N.D. | CMR |
| 7 | Sodium Dichromate, Dihydrate* | 7789-12-0, 10588-01-9 | 234-190-3 | % | 0.004 | N.D. | CMR |
| 8 | 5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene) | 81-15-2 | 201-329-4 | % | 0.003 | N.D. | vPvB |
| 9 | Bis-(2-ethyl(hexyl) Phthalate (DEHP) | 117-81-7 | 204-211-0 | % | 0.003 | N.D. | CMR |
| 10 | Hexabromocyclododecane (HBCDD) | 25637-99-4 & 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8) | 247-148-4, 221-695-9 | % | 0.005 | N.D. | PBT |
| 11 | Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP) | 85535-84-8 | 287-476-5 | % | 0.010 | N.D. | PBT |
| 12 | Bis(tributyltin)oxide(TBTO)** | 56-35-9 | 200-268-0 | % | 0.003 | N.D. | PBT |
| 13 | Lead Hydrogen Arsenate* | 7784-40-9 | 232-064-2 | % | 0.005 | N.D. | CMR |
| 14 | Benzyl Butyl Phthalate(BBP) | 85-68-7 | 201-622-7 | % | 0.003 | N.D. | CMR |
| 15 | Triethyl Arsenate* | 15606-95-8 | 427-700-2 | % | 0.003 | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 20 of 36

| No. | Item | CAS No. | EC No. | Unit | MDL | Results | Category |
|-----|--|------------|-----------|------|-------|---------|----------|
| | | | | | | (3) | |
| 16 | Anthracene oil*** | 90640-80-5 | 292-602-7 | % | 0.005 | N.D. | PBT |
| 17 | Anthracene oil , anthracene paste, distn . Lights*** | 91995-17-4 | 295-278-5 | % | 0.005 | N.D. | PBT |
| 18 | Anthracene oil, anthracene paste, anthracene fraction*** | 91995-15-2 | 295-275-9 | % | 0.005 | N.D. | PBT |
| 19 | Anthracene oil, anthracene-low*** | 90640-82-7 | 292-604-8 | % | 0.005 | N.D. | PBT |
| 20 | Anthracene oil, anthracene paste*** | 90640-81-6 | 292-603-2 | % | 0.003 | N.D. | PBT |
| 21 | Diisobutyl phthalate | 84-69-5 | 201-553-2 | % | 0.003 | N.D. | CMR |
| 22 | 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | % | 0.003 | N.D. | CMR |
| 23 | coal tar pitch, high temperature*** | 65996-93-2 | 266-028-2 | % | 0.005 | N.D. | PBT |
| 24 | tris(2-chloroethyl)phosphate | 115-96-8 | 204-118-5 | % | 0.005 | N.D. | CMR |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | 215-693-7 | % | 0.005 | N.D. | CMR |
| 26 | Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 12656-85-8 | 235-759-9 | % | 0.005 | N.D. | CMR |
| 27 | Lead chromate: chrome yellow | 7758-97-6 | 231-846-0 | % | 0.005 | N.D. | CMR |
| 28 | Acrylamide | 79-06-1 | 201-173-7 | % | 0.001 | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 21 of 36

| No. | Item | CAS No. | EC No. | Unit | MDL | Results | Category |
|-----|---|--|-------------------------|------|-------|---------|----------|
| | | | | | | (3) | |
| 29 | Trichloroethylene | 79-01-6 | 201-167-4 | % | 0.003 | N.D. | CMR |
| 30 | Boric acid | 10043-35-3; 11113-50-1 | 233-139-2; 234-343-4 | % | 0.005 | N.D. | CMR |
| 31 | Disodium tetraborate, anhydrous* | 1330-43-4; 12179-04-3; 1303-96-4 | 215-540-4 | % | 0.005 | N.D. | CMR |
| 32 | Tetraboron disodium heptaoxide, hydrate* | 12267-73-1 | 235-541-3 | % | 0.005 | N.D. | CMR |
| 33 | Sodium chromate* | 7775-11-3 | 231-889-5 | % | 0.005 | N.D. | CMR |
| 34 | Potassium chromate* | 7789-00-6 | 232-140-5 | % | 0.005 | N.D. | CMR |
| 35 | Ammonium dichromate* | 7789-09-5 | 232-143-1 | % | 0.005 | N.D. | CMR |
| 36 | Potassium dichromate * | 7778-50-9 | 231-906-6 | % | 0.005 | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 22 of 36

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|-----|--|-------------------------|------------------------|------|-------|---------|----------|
| | | | | | | (3) | |
| 37 | Cobalt(II) sulfate* | 10124-43-3 | 233-334-2 | % | 0.005 | N.D. | CMR |
| 38 | Cobalt(II) dinitrate* | 10141-05-6 | 233-402-1 | % | 0.005 | N.D. | CMR |
| 39 | Cobalt(II) carbonate* | 513-79-1 | 208-169-4 | % | 0.005 | N.D. | CMR |
| 40 | Cobalt(II) diacetate* | 71-48-7 | 200-755-8 | % | 0.005 | N.D. | CMR |
| 41 | 2-Methoxyethanol | 109-86-4 | 203-713-7 | % | 0.005 | N.D. | CMR |
| 42 | 2-Ethoxyethanol | 110-80-5 | 203-804-1 | % | 0.005 | N.D. | CMR |
| 43 | Chromium trioxide* | 1333-82-0 | 215-607-8 | % | 0.005 | N.D. | CMR |
| 44 | 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. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 23 of 36

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|-----|---|-----------------------|-----------|------|-------|---------|----------|
| | | | | | | (3) | |
| 45 | 2-ethoxyethylacetate | 111-15-9 | 203-839-2 | % | 0.005 | N.D. | CMR |
| 46 | strontium chromate* | 7789-06-2 | 232-142-6 | % | 0.005 | N.D. | CMR |
| 47 | 1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP) | 68515-42-4 | 271-084-6 | % | 0.005 | N.D. | CMR |
| 48 | Hydrazine | 7803-57-8 302-01-2 | 206-114-9 | % | 0.005 | N.D. | CMR |
| 49 | 1-Methyl-2-pyrrolidinone | 872-50-4 | 212-828-1 | % | 0.005 | N.D. | CMR |
| 50 | 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | % | 0.005 | N.D. | CMR |
| 51 | 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP). | 71888-89-6 | 276-158-1 | % | 0.005 | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 24 of 36

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|-----|---|------------|-----------|------|-------|---------|--|
| | | | | | | (3) | |
| 52 | Zirconia Aluminosilicate Refractory Ceramic Fibres**** | / | / | % | 0.005 | N.D. | CMR |
| 53 | Calcium arsenate* | 7778-44-1 | 231-904-5 | % | 0.005 | N.D. | CMR |
| 54 | Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | % | 0.005 | N.D. | CMR |
| 55 | Aluminosilicate Refractory Ceramic Fibres**** | / | / | % | 0.005 | N.D. | CMR |
| 56 | Potassium hydroxyoctaoxodizincatedichromate* | 11103-86-9 | 234-329-8 | % | 0.005 | N.D. | CMR |
| 57 | Lead dipicrate, | 6477-64-1 | 229-335-2 | % | 0.005 | N.D. | CMR |
| 58 | N,N-dimethylacetamide | 127-19-5 | 204-826-4 | % | 0.005 | N.D. | CMR |
| 59 | Arsenic acid | 7778-39-4 | 231-901-9 | % | 0.005 | N.D. | CMR |
| 60 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | 201-963-1 | % | 0.005 | N.D. | CMR |
| 61 | Trilead diarsenate* | 3687-31-8 | 222-979-5 | % | 0.005 | N.D. | CMR |
| 62 | 1,2-dichloroethane | 107-06-2 | 203-458-1 | % | 0.005 | N.D. | CMR |
| 63 | Pentazinc chromate octahydroxide | 49663-84-5 | 256-418-0 | % | 0.005 | N.D. | CMR |
| 64 | 4-(1,1,3,3-tetramethylbutyl)phenol | 140-66-9 | 205-426-2 | % | 0.005 | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 65 | Formaldehyde, oligomeric reaction products with aniline | 25214-70-4 | 500-036-1 | % | 0.005 | N.D. | CMR |
| 66 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | % | 0.005 | N.D. | CMR |
| 67 | Lead diazide, Lead azide* | 13424-46-9 | 236-542-1 | % | 0.005 | N.D. | CMR |
| 68 | Lead styphnate* | 15245-44-0 | 239-290-0 | % | 0.005 | N.D. | CMR |
| 69 | 2,2'-dichloro-4,4'-methylenedianiline | 101-14-4 | 202-918-9 | % | 0.005 | N.D. | CMR |
| 70 | Phenolphthalein | 77-09-8 | 201-004-7 | % | 0.005 | N.D. | CMR |
| 71 | Dichromium tris(chromate)* | 24613-89-6 | 246-356-2 | % | 0.005 | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 25 of 36

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|-----|---|------------|-----------|------|-------|---------|----------|
| | | | | | | (3) | |
| 72 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | % | 0.005 | N.D. | CMR |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | % | 0.005 | N.D. | CMR |
| 74 | Diboron trioxide* | 1303-86-2 | 215-125-8 | % | 0.005 | N.D. | CMR |
| 75 | Formamide | 75-12-7 | 200-842-0 | % | 0.005 | N.D. | CMR |
| 76 | Lead(II) bis(methanesulfonate)* | 17570-76-2 | 401-750-5 | % | 0.005 | N.D. | CMR |
| 77 | TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) | 2451-62-9 | 219-514-3 | % | 0.005 | N.D. | CMR |
| 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 | % | 0.005 | N.D. | CMR |
| 79 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | % | 0.005 | N.D. | CMR |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | % | 0.005 | N.D. | CMR |
| 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 | % | 0.005 | N.D. | CMR |
| 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 | % | 0.005 | N.D. | CMR |
| 83 | α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol(C.I. Solvent Blue 4)***** | 6786-83-0 | 229-851-8 | % | 0.005 | N.D. | CMR |
| 84 | 4,4'-bis(dimethylamino)-4''-(methylanino)trityl alcohol***** | 561-41-1 | 209-218-2 | % | 0.005 | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 26 of 36

| No. | Item | CAS No. | EC No. | Unit | MDL | Results | Category |
|-----|--|------------|-----------|------|-------|---------|--|
| | | | | | | (3) | |
| 85 | Bis(pentabromophenyl) ether | 1163-19-5 | 214-604-9 | % | 0.005 | N.D. | PBT |
| 86 | Pentacosafuorotridecanoic acid | 72629-94-8 | 276-745-2 | % | 0.005 | N.D. | vPvB |
| 87 | Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 | % | 0.005 | N.D. | vPvB |
| 88 | Henicosafuoroundecanoic acid | 2058-94-8 | 218-165-4 | % | 0.005 | N.D. | vPvB |
| 89 | Heptacosafuorotetradecanoic acid | 376-06-7 | 206-803-4 | % | 0.005 | N.D. | vPvB |
| 90 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues | / | / | % | 0.005 | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 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 | / | / | % | 0.005 | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 92 | Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 | % | 0.005 | N.D. | Equivalent level of concern having probable serious effects to the environment |

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REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 27 of 36

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|-----|--|---|---|------|-------|---------|--|
| | | | | | | (3) | |
| 93 | Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry | 85-42-7 13149-00-3 14166-21-3 | 201-604-9 236-086-3 238-009-9 | % | 0.005 | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 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 | % | 0.005 | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 95 | Methoxy acetic acid | 625-45-6 | 210-894-6 | % | 0.005 | N.D. | CMR |
| 96 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 | % | 0.005 | N.D. | CMR |
| 97 | Diisopentylphthalate (DIPP) | 605-50-5 | 210-088-4 | % | 0.005 | N.D. | CMR |
| 98 | N-pentyl-isopentylphthalate | 776297-69-9 | / | % | 0.005 | N.D. | CMR |
| 99 | 1,2-Diethoxyethane | 629-14-1 | 211-076-1 | % | 0.005 | N.D. | CMR |
| 100 | N,N-dimethylformamide; dimethyl formamideN,N | 68-12-2 | 200-679-5 | % | 0.005 | N.D. | CMR |
| 101 | Dibutyltin dichloride (DBT) | 683-18-1 | 211-670-0 | % | 0.005 | N.D. | CMR |
| 102 | Acetic acid, lead salt, basic* | 51404-69-4 | 257-175-3 | % | 0.005 | N.D. | CMR |
| 103 | Basic lead carbonate (trilead bis(carbonate)dihydroxide)* | 1319-46-6 | 215-290-6 | % | 0.005 | N.D. | CMR |
| 104 | Lead oxide sulfate (basic lead sulfate)* | 12036-76-9 | 234-853-7 | % | 0.005 | N.D. | CMR |
| 105 | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate)* | 69011-06-9 | 273-688-5 | % | 0.005 | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 28 of 36

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|-----|---|------------|-----------|------|-------|---------|----------|
| | | | | | | (3) | |
| 106 | Dioxobis(stearato)trilead* | 12578-12-0 | 235-702-8 | % | 0.005 | N.D. | CMR |
| 107 | Fatty acids, C16-18, lead salts* | 91031-62-8 | 292-966-7 | % | 0.005 | N.D. | CMR |
| 108 | Lead bis(tetrafluoroborate)* | 13814-96-5 | 237-486-0 | % | 0.005 | N.D. | CMR |
| 109 | Lead cyanamate* | 20837-86-9 | 244-073-9 | % | 0.005 | N.D. | CMR |
| 110 | Lead dinitrate* | 10099-74-8 | 233-245-9 | % | 0.005 | N.D. | CMR |
| 111 | Lead oxide (lead monoxide)* | 1317-36-8 | 215-267-0 | % | 0.005 | N.D. | CMR |
| 112 | Lead tetroxide (orange lead)* | 1314-41-6 | 215-235-6 | % | 0.005 | N.D. | CMR |
| 113 | Lead titanium trioxide* | 12060-00-3 | 235-038-9 | % | 0.005 | N.D. | CMR |
| 114 | Lead Titanium Zirconium Oxide* | 12626-81-2 | 235-727-4 | % | 0.005 | N.D. | CMR |
| 115 | Pentalead tetraoxide sulphate* | 12065-90-6 | 235-067-7 | % | 0.005 | N.D. | CMR |
| 116 | Pyrochlore, antimony lead yellow C.I.* | 8012-00-8 | 232-382-1 | % | 0.005 | N.D. | CMR |
| 117 | Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped, [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]* | 68784-75-8 | 272-271-5 | % | 0.005 | N.D. | CMR |
| 118 | Silicic acid, lead salt* | 11120-22-2 | 234-363-3 | % | 0.005 | N.D. | CMR |
| 119 | Sulfurous acid, lead salt, dibasic* | 62229-08-7 | 263-467-1 | % | 0.005 | N.D. | CMR |
| 120 | Tetraethyllead* | 78-00-2 | 201-075-4 | % | 0.005 | N.D. | CMR |
| 121 | Tetralead trioxide sulphate* | 12202-17-4 | 235-380-9 | % | 0.005 | N.D. | CMR |
| 122 | Trilead dioxide phosphonate* | 12141-20-7 | 235-252-2 | % | 0.005 | N.D. | CMR |

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Page 29 of 36

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|-----|--|-------------|-----------|------|-------|---------|----------|
| | | | | | | (3) | |
| 123 | Furan | 110-00-9 | 203-727-3 | % | 0.005 | N.D. | CMR |
| 124 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | 200-879-2 | % | 0.005 | N.D. | CMR |
| 125 | Diethyl sulphate | 64-67-5 | 200-589-6 | % | 0.005 | N.D. | CMR |
| 126 | Dimethyl sulphate | 77-78-1 | 201-058-1 | % | 0.005 | N.D. | CMR |
| 127 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | % | 0.005 | N.D. | CMR |
| 128 | Dinoseb | 88-85-7 | 201-861-7 | % | 0.005 | N.D. | CMR |
| 129 | 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 | % | 0.005 | N.D. | CMR |
| 130 | 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 | % | 0.005 | N.D. | CMR |
| 131 | 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-3 | 200-453-6 | % | 0.005 | N.D. | CMR |
| 132 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 95-80-7 | 202-453-1 | % | 0.005 | N.D. | CMR |
| 133 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 | % | 0.005 | N.D. | CMR |
| 134 | Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | % | 0.005 | N.D. | CMR |
| 135 | o-aminoazotoluene | 97-56-3 | 202-591-2 | % | 0.005 | N.D. | CMR |
| 136 | o-Toluidine; 2-Aminotoluene | 95-53-4 | 202-429-0 | % | 0.005 | N.D. | CMR |
| 137 | N-methylacetamide | 79-16-3 | 201-182-6 | % | 0.005 | N.D. | CMR |
| 138 | 1-bromopropane; n-propyl bromide | 106-94-5 | 203-445-0 | % | 0.005 | N.D. | CMR |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 30 of 36

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|-----|---|-----------|-----------|------|-------|---------|--|
| | | | | | | (3) | |
| 139 | Cadmium | 7440-43-9 | 231-152-8 | % | 0.001 | N.D. | CMR |
| 140 | Cadmium oxide * | 1306-19-0 | 215-146-2 | % | 0.005 | N.D. | CMR |
| 141 | Ammonium pentadecafluorooctanoate(APFO) | 3825-26-1 | 223-320-4 | % | 0.005 | N.D. | PBT |
| 142 | Pentadecafluorooctanoic acid(PFOA) | 335-67-1 | 206-397-9 | % | 0.005 | N.D. | PBT |
| 143 | Dipentyl phthalate(DPP) | 131-18-0 | 205-017-9 | % | 0.005 | N.D. | PBT |
| 144 | 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 having probable serious effects to the environment |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 31 of 36

| No. | Items | CAS No. | EC No. | Unit | MDL | Results | Category |
|-----|---|------------|-----------|------|-------|---------|--|
| | | | | | | (3) | |
| 145 | Cadmium sulphide* | 1306-23-6 | 215-147-8 | % | 0.005 | N.D. | Equivalent level of concern having probable serious effects to the environment |
| 146 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 1937-37-7 | 217-710-3 | % | 0.005 | N.D. | CMR |
| 147 | Diethyl phthalate | 84-75-3 | 201-559-5 | % | 0.005 | N.D. | PBT |
| 148 | Imidazolidine-2-thione(2-imidazoline-2-thiol) | 96-45-7 | 202-506-9 | % | 0.005 | N.D. | PBT |
| 149 | Triethyl phosphate | 25155-23-1 | 246-677-8 | % | 0.005 | N.D. | PBT |
| 150 | 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) | 573-58-0 | 209-358-4 | % | 0.005 | N.D. | CMR |
| 151 | Lead di(acetate)* | 301-04-2 | 206-104-4 | % | 0.005 | N.D. | PBT |

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REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 32 of 36

| No. | Items | CAS No. | EC No. | Unit | MDL | Results | Category |
|-----|--|------------|-------------------------|------|-------|---------|---|
| | | | | | | (3) | |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5 | % | 0.005 | N.D. | PBT |
| 153 | Sodium perborate; perboric acid, sodium salt* | --- | 239-172-9; 234-390-0 | % | 0.005 | N.D. | PBT |
| 154 | Sodium peroxometaborate* | 7632-04-4 | 231-556-4 | % | 0.005 | N.D. | PBT |
| 155 | Cadmium chloride* | 10108-64-2 | 233-296-7 | % | 0.005 | N.D. | CMR Equivalent level of concern having probable serious effects to the environment |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 33 of 36

| No. | Items | CAS No. | EC No. | Unit | MDL | Results | Category |
|-----|--|--------------------------|-----------|------|-------|---------|---|
| | | | | | | (3) | |
| 156 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | 223-346-6 | % | 0.005 | N.D. | PBT; vPvB |
| 157 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | 239-622-4 | % | 0.005 | N.D. | CMR |
| 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. | CMR |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditert-pentylphenol (UV-328) | 25973-55-1 | 247-384-8 | % | 0.005 | N.D. | PBT; vPvB |
| 160 | Cadmium fluoride* | 7790-79-6 | 232-222-0 | % | 0.005 | N.D. | CMR Equivalent level of concern having probable serious effects to the environment |
| 161 | Cadmium sulphate* | 10124-36-4 31119-53-6 | 233-331-6 | % | 0.005 | N.D. | CMR Equivalent level of concern having probable serious effects to the environment |

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TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 34 of 36

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|-----|--|--------------------------|------------------------|------|-------|---------|----------|
| | | | | | | (3) | |
| 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 | % | 0.005 | N.D. | CMR |
| 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 stereoisomers of [1] and [2] or any combination thereof] | --- | --- | % | 0.005 | N.D. | vPvB |

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REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 35 of 36

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- Carcinogenic, Mutagenic or toxic to Reproduction (CMR), meeting the criteria for classification in category 1 or 2 in accordance with Directive 67/548/EEC, Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) according to the criteria in Annex of XIII of the REACH Regulation, and/or Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment of an equivalent level of concern as those above (e.g. endocrine disrupters)
- * = Calculated concentration of the items are based on the identified heavy metal result. Identity of above metal substances present in the article has to be further confirmed.
- ** = Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT results. The result is a screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is required if the exact amount of TBTO has to be determined.
- *** = Calculated concentration of these coal-tar products is based on the identified polycyclic aromatic hydrocarbons (PAHs) and heterocyclic compounds
- **** = Calculated concentration of these Aluminosilicate, Zirconia Aluminosilicate, Zirconia Aluminosilicate Refractory Ceramic Fibres, Aluminosilicate Refractory Ceramic Fibres is based on the identified aluminum and zirconium results by ICP-AES
- ***** = The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration $\geq 0.1\%$ (weight / weight).
- The chemical analysis of 163 SVHC is performed by means of currently available analytical techniques against the list published by ECHA on October 28, 2008 & January 13, 2010 & March 30, 2010 & June 18, 2010 & December 15, 2010 & June 20, 2011 & December 19, 2011 & June 18, 2012 & June 20, 2013 & December 16, 2013 & June 16, 2014 & December 17, 2014 & June 15, 2015 all refer to http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp
This list is under evaluation by ECHA and may subject to change in the future.
- 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.
- Photo appendix is included.

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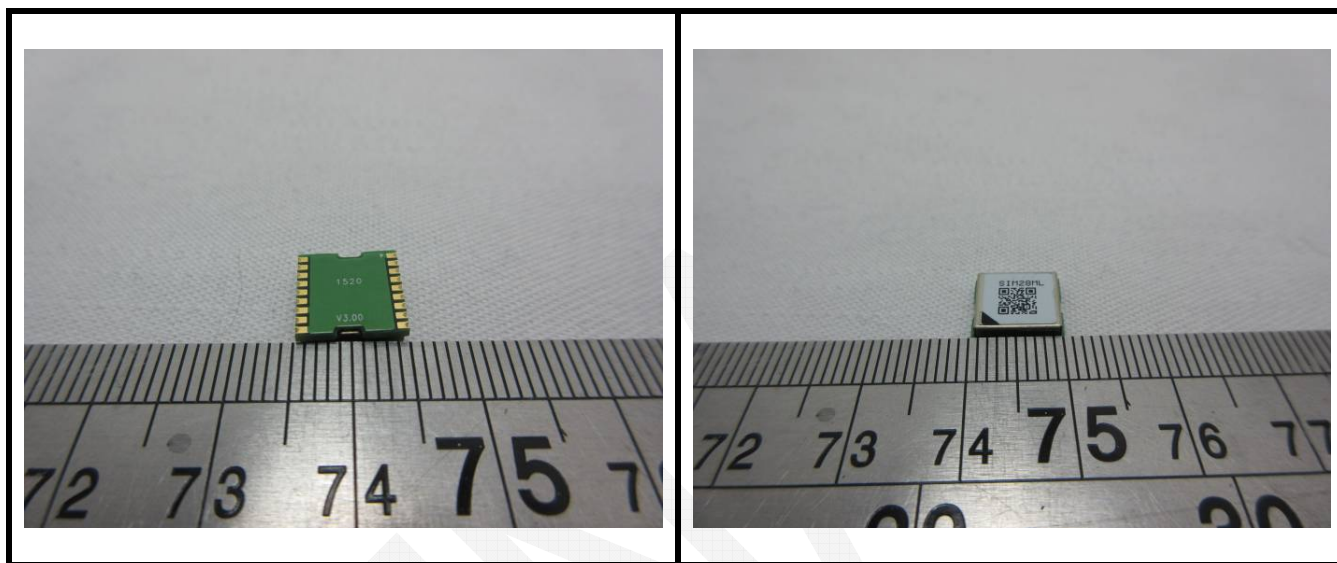
TEST REPORT

REPORT No.: R2JS150803F0364E

Date: August 12, 2015

Page 36 of 36

Photograph of Sample



BACL authenticate the photo on original report only

*** End of Report ***

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