



TEST REPORT

REPORT No.: DTI201706091285-1-2

Date: 2017-06-14

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Client Company: SHEN ZHEN STP&GB ELECTRONICS CO., LTD

Client Address: 7th Floor, Building B, Jinhuan, Dasan Village, Dashuikeng, Fucheng Street, Longhua New District, Shenzhen, China

Report on the submitted samples said to be:

Sample Name : SMD INDUCTOR
 Model No. : ZCRH, ZCSH, ZCAS, ZCRS, ZCHC, ZCCS, ZCFS, ZCLS, ZCMF, ZCPS
 Sample Receiving Date : June 09, 2017
 Testing Period : From June 09, 2017 to June 14, 2017
 Results : Please refer to next page(s).

Summary of Test Results:
TEST REQUEST

CONCLUSION

SVHC screening is performed according to:
 One hundred and seventy-three (173) substances in the Candidate List of Substances of
 A Very High Concern (SVHC) for authorization published by European Chemicals Agency
 (ECHA) on and before January 12 2017 regarding regulation (EC) No 1907/2006
concerning the REACH.

Pass
(see the remark)

Remark : According to the specified scope and analytical technique, concentrations of all 173 SVHC are <0.1% in the submitted sample(s)

Signed for and on behalf of
DTI

Approved by: 
 Li Ping



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Results:

Test Portions:

(1) =Mixture of nonmetal Parts

(2) =Mixture of Metal Parts

Total =Calculated Mixture of (1) and (2)

A、 The list published by European Chemical Agency (ECHA) on and before January 12 2017 for public consultation regarding regulation (EC) No. 1907/2006 concerning the REACH on the 173 Substances of Very High Concern (SVHC) content.

Test method: With reference to in- house method, DTI-SVHC-001, DTI-SVHC-002, DTI- SVHC-003 DTI-SVHC-004, DTI-SVHC-005, Analysis is performed by ICP-AES, UV-VIS, GC/MS, HPLC/MS and IC



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) | |
|-----|--|---------------------------|------------------------|-------|------------|------|
| | | | | | (1) | (2) |
| 1 | Anthracene (ANT) | 120-12-7 | 204-371-1 | 0.005 | N.D. | N.D. |
| 2 | 4,4'-Diaminodiphenylmethane | 101-77-9 | 202-974-4 | 0.005 | N.D. | N.D. |
| 3 | Dibutyl Phthalate (DBP) | 84-74-2 | 201-557-4 | 0.005 | N.D. | N.D. |
| 4 | Cobalt Dichloride (CoCl ₂)* | 7646-79-9 | 231-589-4 | 0.01 | N.D. | N.D. |
| 5 | Diarsenic Pentaoxide (As ₂ O ₅)* | 1303-28-2 | 215-116-9 | 0.01 | N.D. | N.D. |
| 6 | Diarsenic Trioxide(As ₂ O ₃)* | 1327-53-3 | 215-481-4 | 0.01 | N.D. | N.D. |
| 7 | Sodium Dichromate, Dihydrate* | 7789-12-0, 10588-01-9 | 234-190-3 | 0.01 | N.D. | N.D. |
| 8 | 5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene) | 81-15-2 | 201-329-4 | 0.005 | N.D. | N.D. |
| 9 | Bis-(2-ethyl(hexyl) Phthalate (DEHP) | 117-81-7 | 204-211-0 | 0.005 | N.D. | N.D. |
| 10 | Hexabromocyclododecane (HBCDD) | 25637-99-4 & 3194-55-6 | 247-148-4 221-695-9 | 0.005 | N.D. | N.D. |
| 11 | Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP) | 85535-84-8 | 287-476-5 | 0.01 | N.D. | N.D. |
| 12 | Bis(tributyltin)oxide (TBTO)* | 56-35-9 | 200-268-0 | 0.005 | N.D. | N.D. |
| 13 | Lead Hydrogen Arsenate* | 7784-40-9 | 232-064-2 | 0.01 | N.D. | N.D. |
| 14 | Benzyl Butyl Phthalate (BBP) | 85-68-7 | 201-622-7 | 0.05 | N.D. | N.D. |
| 15 | Triethyl Arsenate* | 15606-95-8 | 427-700-2 | 0.01 | N.D. | N.D. |
| 16 | ^① Anthracene oil | 90640-80-5 | 292-602-7 | 0.05 | N.D. | N.D. |
| 17 | ^① Anthracene oil , anthracene paste, distn . Lights**** | 91995-17-4 | 295-278-5 | 0.05 | N.D. | N.D. |
| 18 | ^① Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 | 0.05 | N.D. | N.D. |
| 19 | ^① Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | 0.05 | N.D. | N.D. |



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| | | | | | (1) | (2) |
| 20 | ^① Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | 0.05 | N.D. | N.D. |
| 21 | Diisobutyl phthalate | 84-69-5 | 201-553-2 | 0.005 | N.D. | N.D. |
| 22 | 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | 0.01 | N.D. | N.D. |
| 23 | ^① coal tar pitch, high temperature | 65996-93-2 | 266-028-2 | 0.05 | N.D. | N.D. |
| 24 | tris(2-chloroethyl)phosphate | 115-96-8 | 204-118-5 | 0.01 | N.D. | N.D. |
| 25 | ^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)*** | 1344-37-2 | 215-693-7 | 0.05 | N.D. | N.D. |
| 26 | ^② Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*** | 12656-85-8 | 235-759-9 | 0.05 | N.D. | N.D. |
| 27 | ^② lead chromate: chrome yellow | 7758-97-6 | 231-846-0 | 0.05 | N.D. | N.D. |
| 28 | Acrylamide | 79-06-1 | 201-173-7 | 0.01 | N.D. | N.D. |
| 29 | Trichloroethylene | 79-01-6 | 201-167-4 | 0.005 | N.D. | N.D. |
| 30 | ^③ Boric acid * | 10043-35-3; 11113-50-1 | 233-139-2 234-343-4 | 0.01 | N.D. | N.D. |
| 31 | ^③ Disodium tetraborate, anhydrous ***** | 1330-43-4; 12179-04-3; 1303-96-4 | 215-540-4 | 0.01 | N.D. | N.D. |
| 32 | ^③ Tetraboron disodium heptaoxide, hydrate ***** | 12267-73-1 | 235-541-3 | 0.01 | N.D. | N.D. |
| 33 | Sodium chromate * | 7775-11-3 | 231-889-5 | 0.01 | N.D. | N.D. |
| 34 | Potassium chromate* | 7789-00-6 | 232-140-5 | 0.01 | N.D. | N.D. |
| 35 | Strontium chromate* | 7789-06-2 | 232-142-6 | 0.01 | N.D. | N.D. |
| 36 | Potassium dichromate * | 7778-50-9 | 231-906-6 | 0.01 | N.D. | N.D. |
| 37 | Cobalt(II) sulphate * | 10124-43-3 | 233-334-2 | 0.01 | N.D. | N.D. |
| 38 | Cobalt(II) dinitrate* | 10141-05-6 | 233-402-1 | 0.01 | N.D. | N.D. |



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| 39 | Cobalt(II) carbonate* | 513-79-1 | 208-169-4 | 0.01 | N.D. | N.D. |
| 40 | Cobalt(II) diacetate* | 71-48-7 | 200-755-8 | 0.01 | N.D. | N.D. |
| 41 | 2-Methoxyethanol | 109-86-4 | 203-713-7 | 0.005 | N.D. | N.D. |
| 42 | 2-Ethoxyethanol | 110-80-5 | 203-804-1 | 0.005 | N.D. | N.D. |
| 43 | Chromium trioxide* | 1333-82-0 | 215-607-8 | 0.01 | N.D. | N.D. |
| 44 | Chromic acid * Dichromic acid* | 7738-94-5 13530-68-2 | 231-801-5 236-881-5 | 0.01 | N.D. | N.D. |
| 45 | 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | 0.01 | N.D. | N.D. |
| 46 | Cobalt dichloride* | 7646-79-9 | 231-589-4 | 0.005 | N.D. | N.D. |
| 47 | 2-ethoxyethyl acetate | 111-15-9 | 203-839-2 | 0.01 | N.D. | N.D. |
| 48 | ^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 | 0.01 | N.D. | N.D. |
| 49 | Hydrazine | 7803-57-8 302-01-2 | 206-114-9 | 0.01 | N.D. | N.D. |
| 50 | 1-methyl-2-pyrrolidone | 872-50-4 | 212-828-1 | 0.01 | N.D. | N.D. |
| 51 | ^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 276-158-1 | 0.01 | N.D. | N.D. |
| 52 | Dichromium tris(chromate)* | 24613-89-6 | 246-356-2 | 0.01 | N.D. | N.D. |
| 53 | Potassium hydroxyoctaoxodizincatedi-chromate * | 11103-86-9 | 234-329-8 | 0.01 | N.D. | N.D. |
| 54 | Pentazinc chromate octahydr oxide* | 49663-84-5 | 256-418-0 | 0.01 | N.D. | N.D. |
| 55 | ^② Aluminosilicate Refractory Ceramic Fibres (Al-RCF)** | - | - | 0.05 | N.D. | N.D. |
| 56 | ^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)* * | - | - | 0.05 | N.D. | N.D. |



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|-----|--|------------|-----------|-------|------------|------|
| | | | | | (1) | (2) |
| 57 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) [▲] | 25214-70-4 | 500-036-1 | 0.01 | N.D. | N.D. |
| 58 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | 0.005 | N.D. | N.D. |
| 59 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | 201-963-1 | 0.005 | N.D. | N.D. |
| 60 | 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol) | 140-66-9 | 205-426-2 | 0.005 | N.D. | N.D. |
| 61 | 1,2-Dichloroethane | 107-06-2 | 203-458-1 | 0.005 | N.D. | N.D. |
| 62 | Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | 0.005 | N.D. | N.D. |
| 63 | Arsenic acid * | 7778-39-4 | 231-901-9 | 0.01 | N.D. | N.D. |
| 64 | Calcium arsenate * | 7778-44-1 | 231-904-5 | 0.01 | N.D. | N.D. |
| 65 | Trilead diarsenate * | 3687-31-8 | 222-979-5 | 0.01 | N.D. | N.D. |
| 66 | N,N-dimethylacetamide (DMAC) | 127-19-5 | 204-826-4 | 0.005 | N.D. | N.D. |
| 67 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | 202-918-9 | 0.005 | N.D. | N.D. |
| 68 | Phenolphthalein | 77-09-8 | 201-004-7 | 0.005 | N.D. | N.D. |
| 69 | Lead azide Lead diazide * | 13424-46-9 | 236-542-1 | 0.01 | N.D. | N.D. |
| 70 | Lead styphnate * | 15245-44-0 | 239-290-0 | 0.01 | N.D. | N.D. |
| 71 | Lead dipicrate * | 6477-64-1 | 229-335-2 | 0.01 | N.D. | N.D. |
| 72 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | 0.01 | N.D. | N.D. |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | 0.01 | N.D. | N.D. |
| 74 | Diboron trioxide** | 1303-86-2 | 215-125-8 | 0.01 | N.D. | N.D. |
| 75 | Formamide | 75-12-7 | 200-842-0 | 0.01 | N.D. | N.D. |
| 76 | Lead(II) bis(methanesulfonate) * | 17570-76-2 | 401-750-5 | 0.01 | N.D. | N.D. |
| 77 | (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H) -trione) | 2451-62-9 | 219-514-3 | 0.01 | N.D. | 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 | 0.01 | N.D. | N.D. |
| 79 | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | 0.01 | N.D. | N.D. |



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| 80 | N,N,N',N'-tetramethyl-4,4'-methylene dianiline (Michler's base) | 101-61-1 | 202-959-2 | 0.01 | N.D. | 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 | 0.01 | N.D. | 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 | 0.01 | N.D. | 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 | 0.01 | N.D. | N.D. |
| 84 | 4,4'-bis(dimethylamino)-4''-(methylamino) trityl alcohol | 561-41-1 | 209-218-2 | 0.01 | N.D. | N.D. |
| 85 | Bis(pentabromophenyl) ether (DecaBDE) | 1163-19-5 | 214-604-9 | 0.05 | N.D. | N.D. |
| 86 | Pentacosafuorotridecanoic acid | 72629-94-8 | 276-745-2 | 0.05 | N.D. | N.D. |
| 87 | Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 | 0.05 | N.D. | N.D. |
| 88 | Henicosafuoroundecanoic acid | 2058-94-8 | 218-165-4 | 0.05 | N.D. | N.D. |
| 89 | Heptacosafuorotetradecanoic acid | 376-06-7 | 206-803-4 | 0.05 | N.D. | 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. | N.D. |
| 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 | / | / | 0.05 | N.D. | N.D. |



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| | | | | | (1) | (2) |
| 92 | Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 | 0.05 | N.D. | N.D. |
| 93 | Cyclohexane-1,2-dicarboxylic anhydride cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride | 85-42-7 13149-00-3 14166-21-3 | 201-604-9 236-086-3 238-009-9 | 0.05 | N.D. | N.D. |
| 94 | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride | 25550-51-0,1 9438-60-9, 48122-14-1, 57110-29-9 | 247-094-1, 243-072-0, 256-356-4, 260-566-1 | 0.05 | N.D. | N.D. |
| 95 | Methoxy acetic acid | 625-45-6 | 210-894-6 | 0.05 | N.D. | N.D. |
| 96 | ^① 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 | 0.01 | N.D. | N.D. |
| 97 | Diisopentylphthalate (DIPP) | 605-50-5 | 210-088-4 | 0.005 | N.D. | N.D. |
| 98 | N-pentyl-isopentylphthalate | 776297-69-9 | - | 0.005 | N.D. | N.D. |
| 99 | 1,2-Diethoxyethane | 629-14-1 | 211-076-1 | 0.05 | N.D. | N.D. |
| 100 | N,N-dimethylformamide; dimethyl formamide | 68-12-2 | 200-679-5 | 0.05 | N.D. | N.D. |
| 101 | Dibutyltin dichloride (DBT) | 683-18-1 | 211-670-0 | 0.05 | N.D. | N.D. |
| 102 | Acetic acid, lead salt, basic* | 51404-69-4 | 257-175-3 | 0.01 | N.D. | N.D. |
| 103 | Basic lead carbonate (trilead bis(carbonate)dihydroxide)* | 1319-46-6 | 215-290-6 | 0.01 | N.D. | N.D. |
| 104 | Lead oxide sulfate (basic lead sulfate) * | 12036-76-9 | 234-853-7 | 0.01 | N.D. | N.D. |
| 105 | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate)* | 69011-06-9 | 273-688-5 | 0.01 | N.D. | N.D. |
| 106 | Dioxobis(stearato)trilead* | 12578-12-0 | 235-702-8 | 0.01 | N.D. | N.D. |
| 107 | Fatty acids, C16-18, lead salts C16-18-* | 91031-62-8 | 292-966-7 | 0.01 | N.D. | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) | |
|-----|--|-------------|-----------|-------|------------|------|
| | | | | | (1) | (2) |
| 108 | Lead bis(tetrafluoroborate)* | 13814-96-5 | 237-486-0 | 0.01 | N.D. | N.D. |
| 109 | Lead cyanidate * | 20837-86-9 | 244-073-9 | 0.01 | N.D. | N.D. |
| 110 | Lead dinitrate* | 10099-74-8 | 233-245-9 | 0.01 | N.D. | N.D. |
| 111 | Lead oxide (lead monoxide)* | 1317-36-8 | 215-267-0 | 0.01 | N.D. | N.D. |
| 112 | Lead tetroxide (orange lead)* | 1314-41-6 | 215-235-6 | 0.01 | N.D. | N.D. |
| 113 | Lead titanium trioxide* | 12060-00-3 | 235-038-9 | 0.01 | N.D. | N.D. |
| 114 | Lead Titanium Zirconium Oxide* | 12626-81-2 | 235-727-4 | 0.01 | N.D. | N.D. |
| 115 | Pentalead tetraoxide sulphate* | 12065-90-6 | 235-067-7 | 0.01 | N.D. | N.D. |
| 116 | Pyrochlore, antimony lead yellow C.I.* | 8012-00-8 | 232-382-1 | 0.01 | N.D. | N.D. |
| 117 | Silicic acid, barium salt, lead-doped* | 68784-75-8 | 272-271-5 | 0.01 | N.D. | N.D. |
| 118 | Silicic acid, lead salt* | 11120-22-2 | 234-363-3 | 0.01 | N.D. | N.D. |
| 119 | Sulfurous acid, lead salt, dibasic* | 62229-08-7 | 263-467-1 | 0.01 | N.D. | N.D. |
| 120 | Tetraethyllead* | 78-00-2 | 201-075-4 | 0.01 | N.D. | N.D. |
| 121 | Tetralead trioxide sulphate* | 12202-17-4 | 235-380-9 | 0.01 | N.D. | N.D. |
| 122 | Trilead dioxide phosphonate* | 12141-20-7 | 235-252-2 | 0.01 | N.D. | N.D. |
| 123 | Furan | 110-00-9 | 203-727-3 | 0.05 | N.D. | N.D. |
| 124 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | 200-879-2 | 0.05 | N.D. | N.D. |
| 125 | Diethyl sulphate | 64-67-5 | 200-589-6 | 0.05 | N.D. | N.D. |
| 126 | Dimethyl sulphate | 77-78-1 | 201-058-1 | 0.05 | N.D. | N.D. |
| 127 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine3- | 143860-04-2 | 421-150-7 | 0.05 | N.D. | N.D. |
| 128 | Dinoseb | 88-85-7 | 201-861-7 | 0.05 | N.D. | N.D. |
| 129 | 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 | 0.05 | N.D. | N.D. |



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|-----|---|-----------|-----------|-------|------------|------|
| | | | | | (1) | (2) |
| 130 | 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 | 0.05 | N.D. | N.D. |
| 131 | 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-3 | 200-453-6 | 0.05 | N.D. | N.D. |
| 132 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 95-80-7 | 202-453-1 | 0.05 | N.D. | N.D. |
| 133 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 | 0.05 | N.D. | N.D. |
| 134 | Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | 0.05 | N.D. | N.D. |
| 135 | o-aminoazotoluene | 97-56-3 | 202-591-2 | 0.05 | N.D. | N.D. |
| 136 | o-Toluidine; 2-Aminotoluene | 95-53-4 | 202-429-0 | 0.05 | N.D. | N.D. |
| 137 | N-methylacetamide | 79-16-3 | 201-182-6 | 0.05 | N.D. | N.D. |
| 138 | 1-bromopropane; n-propyl bromide | 106-94-5 | 203-445-0 | 0.05 | N.D. | N.D. |
| 139 | Cadmium | 7440-43-9 | 231-152-8 | 0.01 | N.D. | N.D. |
| 140 | Cadmium oxide | 1306-19-0 | 215-146-2 | 0.01 | N.D. | N.D. |
| 141 | Ammonium pentadecafluorooctanoate | 3825-26-1 | 223-320-4 | 0.01 | N.D. | N.D. |
| 142 | Pentadecafluorooctanoic acid | 335-67-1 | 206-397-9 | 0.01 | N.D. | N.D. |
| 143 | Dipentyl phthalate | 131-18-0 | 205-017-9 | 0.005 | N.D. | N.D. |
| 144 | ^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] | / | / | 0.05 | N.D. | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) | |
|-----|---|---------------------------|-------------------------|-------|------------|------|
| | | | | | (1) | (2) |
| 145 | Cadmium sulphide | 1306-23-6 | 215-147-8 | 0.01 | N.D. | N.D. |
| 146 | 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 | 0.01 | N.D. | N.D. |
| 147 | 38Disodium 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 | 0.01 | N.D. | N.D. |
| 148 | Dihexyl phthalate | 84-75-3 | 201-559-5 | 0.005 | N.D. | N.D. |
| 149 | Imidazolidine-2-thione (2-imidazoline-2-thiol) | 96-45-7 | 202-506-9 | 0.01 | N.D. | N.D. |
| 150 | ^① Lead di(acetate) | 301-04-2 | 206-104-4 | 0.01 | N.D. | N.D. |
| 151 | Trixylyl phosphate | 25155-23-1 | 246-677-8 | 0.01 | N.D. | N.D. |
| 152 | cadmium dichloride | 10108-64-2 | 233-296-7 | 0.01 | N.D. | N.D. |
| 153 | ^① 1,2-benzenedicarboxylic acid dihexyl ester branched and linear | 68515-50-4 | 271-093-5 | 0.01 | N.D. | N.D. |
| 154 | ^③ Sodium peroxometaborate***** | 7632-04-4 | 231-556-4 | 0.01 | N.D. | N.D. |
| 155 | ^③ Sodium perborate; perboric acid,sodium salt***** | / | 239-172-9; 234-390-0 | 0.01 | N.D. | N.D. |
| 156 | Cadmium fluoride* | 7790-79-6 | 232-222-0 | 0.01 | N.D. | N.D. |
| 157 | Cadmium sulphate* | 10124-36-4; 31119-53-6 | 233-331-6 | 0.01 | N.D. | N.D. |
| 158 | UV-320 | 3846-71-7 | 223-346-6 | 0.01 | N.D. | N.D. |
| 159 | UV-328 | 25973-55-1 | 247-384-8 | 0.01 | N.D. | N.D. |
| 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate | 15571-58-1 | 239-622-4 | 0.05 | N.D. | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) | |
|-----|--|-------------------------------------|--------------------------|-------|------------|------|
| | | | | | (1) | (2) |
| 161 | ① Reaction mass of 2-ethylhexyl10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetra decanoate and 2-ethylhexyl10-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. | N.D. |
| 162 | 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; Di-n-hexyl phthalate (DnHP) | 68515-51-5; 68648-93-1; | 271-094-0; 272-013-1; | 0.05 | N.D. | N.D. |
| 163 | Karanal(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]) | - | - | 0.05 | N.D. | N.D. |
| 164 | 1,3-propanesultone | 1120-71-4 | 214-317-9 | 0.01 | N.D. | N.D. |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(uv-327) | 3864-99-1 | 223-383-8 | 0.01 | N.D. | N.D. |
| 166 | 2-2(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350) | 36437-37-3 | 253-037-1 | 0.01 | N.D. | N.D. |
| 167 | Nitrobenzene | 98-95-3 | 202-716-0 | 0.01 | N.D. | N.D. |
| 168 | Perfluorononan-1-ic-acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | 206-801-3 | 0.01 | N.D. | N.D. |



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|-----|--|-----------|-----------|-------|------------|------|
| | | | | | (1) | (2) |
| 169 | Benzo[def]chrysene(Benzo[a]pyrene) | 50-32-8 | 200-028-5 | 0.01 | N.D. | N.D. |
| 170 | 4,4'-isopropylidenediphenol (bisphenol A) | 80-05-7 | 201-245-8 | 0.01 | N.D. | N.D. |
| 171 | nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 3108-42-7 | -- | 0.01 | N.D. | N.D. |
| | | 335-76-2 | 206-400-3 | | | |
| | | 3830-45-3 | 221-470-5 | | | |
| 172 | 4-tert-pentylphenol (PTAP) | 80-46-6 | 201-280-9 | 0.01 | N.D. | N.D. |
| 173 | 4-heptylphenol, branched and linear (4-HPbl) | - | - | 0.01 | N.D. | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|--|---------------------------|------------------------|-------|------------|
| | | | | | Total |
| 1 | Anthracene (ANT) | 120-12-7 | 204-371-1 | 0.005 | N.D. |
| 2 | 4,4'-Diaminodiphenylmethane | 101-77-9 | 202-974-4 | 0.005 | N.D. |
| 3 | Dibutyl Phthalate (DBP) | 84-74-2 | 201-557-4 | 0.005 | N.D. |
| 4 | Cobalt Dichloride (CoCl ₂)* | 7646-79-9 | 231-589-4 | 0.01 | N.D. |
| 5 | Diarsenic Pentaoxide(As ₂ O ₅)* | 1303-28-2 | 215-116-9 | 0.01 | N.D. |
| 6 | Diarsenic Trioxide(As ₂ O ₃)* | 1327-53-3 | 215-481-4 | 0.01 | N.D. |
| 7 | Sodium Dichromate, Dihydrate* | 7789-12-0, 10588-01-9 | 234-190-3 | 0.01 | N.D. |
| 8 | 5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene) | 81-15-2 | 201-329-4 | 0.005 | N.D. |
| 9 | Bis-(2-ethyl(hexyl) Phthalate (DEHP) | 117-81-7 | 204-211-0 | 0.005 | N.D. |
| 10 | Hexabromocyclododecane (HBCDD) | 25637-99-4 & 3194-55-6 | 247-148-4 221-695-9 | 0.005 | N.D. |
| 11 | Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP) | 85535-84-8 | 287-476-5 | 0.01 | N.D. |
| 12 | Bis(tributyltin)oxide (TBTO)* | 56-35-9 | 200-268-0 | 0.005 | N.D. |
| 13 | Lead Hydrogen Arsenate* | 7784-40-9 | 232-064-2 | 0.01 | N.D. |
| 14 | Benzyl Butyl Phthalate (BBP) | 85-68-7 | 201-622-7 | 0.05 | N.D. |
| 15 | Triethyl Arsenate* | 15606-95-8 | 427-700-2 | 0.01 | N.D. |
| 16 | ^① Anthracene oil | 90640-80-5 | 292-602-7 | 0.05 | N.D. |
| 17 | ^① Anthracene oil , anthracene paste, distn . Lights | 91995-17-4 | 295-278-5 | 0.05 | N.D. |
| 18 | ^① Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 | 0.05 | N.D. |
| 19 | ^① Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | 0.05 | N.D. |



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|-----|---|--|-------------------------|-------|------------|
| | | | | | Total |
| 20 | ^① Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | 0.05 | N.D. |
| 21 | Diisobutyl phthalate | 84-69-5 | 201-553-2 | 0.005 | N.D. |
| 22 | 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | 0.01 | N.D. |
| 23 | ^① coal tar pitch, high temperature*** | 65996-93-2 | 266-028-2 | 0.05 | N.D. |
| 24 | tris(2-chloroethyl)phosphate | 115-96-8 | 204-118-5 | 0.01 | N.D. |
| 25 | ^② Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | 215-693-7 | 0.05 | N.D. |
| 26 | ^② Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 12656-85-8 | 235-759-9 | 0.05 | N.D. |
| 27 | ^② lead chromate: chrome yellow | 7758-97-6 | 231-846-0 | 0.05 | N.D. |
| 28 | Acrylamide | 79-06-1 | 201-173-7 | 0.01 | N.D. |
| 29 | Trichloroethylene | 79-01-6 | 201-167-4 | 0.005 | N.D. |
| 30 | ^③ Boric acid * | 10043-35-3; 11113-50-1 | 233-139-2; 234-343-4 | 0.01 | N.D. |
| 31 | ^③ Disodium tetraborate, anhydrous | 1330-43-4; 12179-04-3; 1303-96-4 | 215-540-4 | 0.01 | N.D. |
| 32 | ^③ Tetraboron disodium heptaoxide, hydrate | 12267-73-1 | 235-541-3 | 0.01 | N.D. |
| 33 | Sodium chromate * | 7775-11-3 | 231-889-5 | 0.01 | N.D. |
| 34 | Potassium chromate* | 7789-00-6 | 232-140-5 | 0.01 | N.D. |
| 35 | Strontium chromate* | 7789-06-2 | 232-142-6 | 0.01 | N.D. |
| 36 | Potassium dichromate | 7778-50-9 | 231-906-6 | 0.01 | N.D. |
| 37 | Cobalt(II) sulphate * | 10124-43-3 | 233-334-2 | 0.01 | N.D. |
| 38 | Cobalt(II) dinitrate* | 10141-05-6 | 233-402-1 | 0.01 | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|---|-------------------------|------------------------|-------|------------|
| | | | | | Total |
| 39 | Cobalt(II) carbonate* | 513-79-1 | 208-169-4 | 0.01 | N.D. |
| 40 | Cobalt(II) diacetate* | 71-48-7 | 200-755-8 | 0.01 | N.D. |
| 41 | 2-Methoxyethanol | 109-86-4 | 203-713-7 | 0.005 | N.D. |
| 42 | 2-Ethoxyethanol | 110-80-5 | 203-804-1 | 0.005 | N.D. |
| 43 | Chromium trioxide* | 1333-82-0 | 215-607-8 | 0.01 | N.D. |
| 44 | Chromic acid * Dichromic acid* | 7738-94-5 13530-68-2 | 231-801-5 236-881-5 | 0.01 | N.D. |
| 45 | 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | 0.01 | N.D. |
| 46 | Cobalt dichloride* | 7646-79-9 | 231-589-4 | 0.005 | N.D. |
| 47 | 2-ethoxyethyl acetate | 111-15-9 | 203-839-2 | 0.01 | N.D. |
| 48 | ① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 | 0.01 | N.D. |
| 49 | Hydrazine | 7803-57-8 302-01-2 | 206-114-9 | 0.01 | N.D. |
| 50 | 1-methyl-2-pyrrolidone | 872-50-4 | 212-828-1 | 0.01 | N.D. |
| 51 | ① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 276-158-1 | 0.01 | N.D. |
| 52 | Dichromium tris(chromate)* | 24613-89-6 | 246-356-2 | 0.01 | N.D. |
| 53 | Potassium * hydroxyoctaoxodizincatedi-c hromate * | 11103-86-9 | 234-329-8 | 0.01 | N.D. |
| 54 | Pentazinc chromate octahyd roxide | 49663-84-5 | 256-418-0 | 0.01 | N.D. |
| 55 | ② Aluminosilicate Refractory C eramic Fibres (Al-RCF)* | - | - | 0.05 | N.D. |
| 56 | ② Zirconia Aluminosilicate Ref ractory Ceramic Fibres (Zr-RCF)* | - | - | 0.05 | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|--|------------|-----------|-------|------------|
| | | | | | Total |
| 57 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) [▲] | 25214-70-4 | 500-036-1 | 0.01 | N.D. |
| 58 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | 0.005 | N.D. |
| 59 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | 201-963-1 | 0.005 | N.D. |
| 60 | 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol) | 140-66-9 | 205-426-2 | 0.005 | N.D. |
| 61 | 1,2-Dichloroethane | 107-06-2 | 203-458-1 | 0.005 | N.D. |
| 62 | Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | 0.005 | N.D. |
| 63 | Arsenic acid * | 7778-39-4 | 231-901-9 | 0.01 | N.D. |
| 64 | Calcium arsenate * | 7778-44-1 | 231-904-5 | 0.01 | N.D. |
| 65 | Trilead diarsenate * | 3687-31-8 | 222-979-5 | 0.01 | N.D. |
| 66 | N,N-dimethylacetamide (DMAC) | 127-19-5 | 204-826-4 | 0.005 | N.D. |
| 67 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | 202-918-9 | 0.005 | N.D. |
| 68 | Phenolphthalein | 77-09-8 | 201-004-7 | 0.005 | N.D. |
| 69 | Lead azide Lead diazide * | 13424-46-9 | 236-542-1 | 0.01 | N.D. |
| 70 | Lead styphnate * | 15245-44-0 | 239-290-0 | 0.01 | N.D. |
| 71 | Lead dipicrate * | 6477-64-1 | 229-335-2 | 0.01 | N.D. |
| 72 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | 0.01 | N.D. |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | 0.01 | N.D. |
| 74 | Diboron trioxide** | 1303-86-2 | 215-125-8 | 0.01 | N.D. |
| 75 | Formamide | 75-12-7 | 200-842-0 | 0.01 | N.D. |
| 76 | Lead(II) bis(methanesulfonate) ** | 17570-76-2 | 401-750-5 | 0.01 | N.D. |
| 77 | (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) | 2451-62-9 | 219-514-3 | 0.01 | 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 | 0.01 | N.D. |
| 79 | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | 0.01 | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|---|-----------|------------|-------|------------|
| | | | | | Total |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylen ed ianiline (Michler's base) | 101-61-1 | 202-959-2 | 0.01 | N.D. |
| 81 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien -1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) | 208-953-6 | 548-62-9 | 0.05 | N.D. |
| 82 | [4-[[4-anilino-1-naphtyl][4-(dimethyl amino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) | 219-943-6 | 2580-56-5 | 0.05 | N.D. |
| 83 | α , α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene -1-methanol (C.I. Solvent Blue 4) | 229-851-8 | 6786-83-0 | 0.05 | N.D. |
| 84 | 4,4'-bis(dimethylamino)-4''-(methy lamo trityl alcohol | 209-218-2 | 561-41-1 | 0.05 | N.D. |
| 85 | Bis(pentabromophenyl) ether (DecaBDE) | 214-604-9 | 1163-19-5 | 0.05 | N.D. |
| 86 | Pentacosafuorotridecanoic acid | 276-745-2 | 72629-94-8 | 0.05 | N.D. |
| 87 | Tricosafuorododecanoic acid | 206-203-2 | 307-55-1 | 0.05 | N.D. |
| 88 | Henicosafuoroundecanoic acid | 218-165-4 | 2058-94-8 | 0.05 | N.D. |
| 89 | Heptacosafuorotetradecanoic acid | 206-803-4 | 376-06-7 | 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 | 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 | - | - | 0.05 | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|--|---|---|-------|------------|
| | | | | | Total |
| 92 | Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 | 0.05 | N.D. |
| 93 | Cyclohexane-1,2-dicarboxylic anhydride cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride | 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 | 25550-51-0,194 38-60-9, 48122-14-1,57 110-29-9 | 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 | 0.01 | N.D. |
| 97 | Diisopentylphthalate (DIPP) | 605-50-5 | 210-088-4 | 0.005 | N.D. |
| 98 | N-pentyl-isopentylphthalate | 776297-69-9 | - | 0.005 | 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 | 0.01 | N.D. |
| 103 | Basic lead carbonate (trilead bis(carbonate)dihydroxide) | 1319-46-6 | 215-290-6 | 0.01 | N.D. |
| 104 | Lead oxide sulfate (basic lead sulfate) | 12036-76-9 | 234-853-7 | 0.01 | N.D. |
| 105 | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate) | 69011-06-9 | 273-688-5 | 0.01 | N.D. |
| 106 | Dioxobis(stearato)trilead | 12578-12-0 | 235-702-8 | 0.01 | N.D. |
| 107 | Fatty acids, C16-18, lead salts C16-18- | 91031-62-8 | 292-966-7 | 0.01 | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|---|-------------|-----------|-------|------------|
| | | | | | Total |
| 108 | Lead bis(tetrafluoroborate) | 13814-96-5 | 237-486-0 | 0.01 | N.D. |
| 109 | Lead cyanidate | 20837-86-9 | 244-073-9 | 0.01 | N.D. |
| 110 | Lead dinitrate | 10099-74-8 | 233-245-9 | 0.01 | N.D. |
| 111 | Lead oxide (lead monoxide) | 1317-36-8 | 215-267-0 | 0.01 | N.D. |
| 112 | Lead tetroxide (orange lead) | 1314-41-6 | 215-235-6 | 0.01 | N.D. |
| 113 | Lead titanium trioxide | 12060-00-3 | 235-038-9 | 0.01 | N.D. |
| 114 | Lead Titanium Zirconium Oxide | 12626-81-2 | 235-727-4 | 0.01 | N.D. |
| 115 | Pentalead tetraoxide sulphate | 12065-90-6 | 235-067-7 | 0.01 | N.D. |
| 116 | Pyrochlore, antimony lead yellow C.I. | 8012-00-8 | 232-382-1 | 0.01 | N.D. |
| 117 | Silicic acid, barium salt, lead-doped | 68784-75-8 | 272-271-5 | 0.01 | N.D. |
| 118 | Silicic acid, lead salt | 11120-22-2 | 234-363-3 | 0.01 | N.D. |
| 119 | Sulfurous acid, lead salt, dibasic | 62229-08-7 | 263-467-1 | 0.01 | N.D. |
| 120 | Tetraethyllead | 78-00-2 | 201-075-4 | 0.01 | N.D. |
| 121 | Tetralead trioxide sulphate | 12202-17-4 | 235-380-9 | 0.01 | N.D. |
| 122 | Trilead dioxide phosphonate | 12141-20-7 | 235-252-2 | 0.01 | 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-3- | 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. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|--|-----------|-----------|-------|------------|
| | | | | | Total |
| 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. |
| 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 | 0.01 | N.D. |
| 140 | Cadmium oxide | 1306-19-0 | 215-146-2 | 0.01 | N.D. |
| 141 | Ammonium pentadecafluorooctanoate | 3825-26-1 | 223-320-4 | 0.01 | N.D. |
| 142 | Pentadecafluorooctanoic acid | 335-67-1 | 206-397-9 | 0.01 | N.D. |
| 143 | Dipentyl phthalate | 131-18-0 | 205-017-9 | 0.005 | N.D. |
| 144 | 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] | / | / | 0.05 | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|--|---------------------------|-------------------------|-------|------------|
| | | | | | Total |
| 145 | Cadmium sulphide | 1306-23-6 | 215-147-8 | 0.01 | N.D. |
| 146 | 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 | 0.01 | N.D. |
| 147 | 38Disodium 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 | 0.01 | N.D. |
| 148 | Dihexyl phthalate | 84-75-3 | 201-559-5 | 0.005 | N.D. |
| 149 | Imidazolidine-2-thione (2-imidazoline-2-thiol) | 96-45-7 | 202-506-9 | 0.01 | N.D. |
| 150 | ^① Lead di(acetate) | 301-04-2 | 206-104-4 | 0.01 | N.D. |
| 151 | Trixylyl phosphate | 25155-23-1 | 246-677-8 | 0.01 | N.D. |
| 152 | cadmium dichloride | 10108-64-2 | 233-296-7 | 0.01 | N.D. |
| 153 | ^① 1,2-benzenedicarboxylic acid dihexyl ester branched and linear | 68515-50-4 | 271-093-5 | 0.01 | N.D. |
| 154 | ^③ Sodium peroxometaborate | 7632-04-4 | 231-556-4 | 0.01 | N.D. |
| 155 | ^③ Sodium perborate; perboric acid, sodium salt | / | 239-172-9; 234-390-0 | 0.01 | N.D. |
| 156 | Cadmium fluoride | 7790-79-6 | 232-222-0 | 0.01 | N.D. |
| 157 | Cadmium sulphate | 10124-36-4; 31119-53-6 | 233-331-6 | 0.01 | N.D. |
| 158 | UV-320 | 3846-71-7 | 223-346-6 | 0.01 | N.D. |
| 159 | UV-328 | 25973-55-1 | 247-384-8 | 0.01 | N.D. |
| 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate | 15571-58-1 | 239-622-4 | 0.05 | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|--|-------------------------------------|--------------------------|-------|------------|
| | | | | | Total |
| 161 | ① Reaction mass of 2-ethylhexyl10-ethyl-4, 4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetra decanoate and 2-ethylhexyl10-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. |
| 162 | 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; Di-n-hexyl phthalate (DnHP) | 68515-51-5; 68648-93-1; | 271-094-0; 272-013-1; | 0.05 | N.D. |
| 163 | Karanal(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]) | - | - | 0.05 | N.D. |
| 164 | 1,3-propanesultone | 1120-71-4 | 214-317-9 | 0.01 | N.D. |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(uv-327) | 3864-99-1 | 223-383-8 | 0.01 | N.D. |
| 166 | 2-2(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350) | 36437-37-3 | 253-037-1 | 0.01 | N.D. |
| 167 | Nitrobenzene | 98-95-3 | 202-716-0 | 0.01 | N.D. |
| 168 | Perfluorononan-1-ic-acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | 206-801-3 | 0.01 | N.D. |



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| No. | Items | CAS No. | EC No. | RL(%) | Results(%) |
|-----|--|-----------|-----------|-------|------------|
| | | | | | Total |
| 169 | Benzo[def]chrysene(Benzo[a]pyrene) | 50-32-8 | 200-028-5 | 0.01 | N.D. |
| 170 | 4,4'-isopropylidenediphenol (bisphenol A) | 80-05-7 | 201-245-8 | 0.01 | N.D. |
| 171 | nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 3108-42-7 | -- | 0.01 | N.D. |
| | | 335-76-2 | 206-400-3 | | |
| | | 3830-45-3 | 221-470-5 | | |
| 172 | 4-tert-pentylphenol (PTAP) | 80-46-6 | 201-280-9 | 0.01 | N.D. |
| 173 | 4-heptylphenol, branched and linear (4-HPbl) | - | - | 0.01 | N.D. |



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Note:

- w/w % = weight by weight
- N.D. = Not Detected or less than MDL
- *:Concentration value of the substance by the conversion from the test results of certain elements. Concentration value of Bis(tributyltin)oxide(TBTO), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7- oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), 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) by the conversion from the test results of certain compounds (Tributyl Tins(TBT), Dioctyl Tins(DOT), Monoctyl Tins(MOT)).
- **: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
- *****:Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
- ^: Concentration value of Formaldehyde, oligomeric reaction products with aniline (technical MDA) by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4 ' - Diaminodiphenylmethane, 2,6-Diaminodiphenylmethane).
- 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.
- ③ : Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide; Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is calculated by the conversion from the test results of certain elements and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation



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Remark:

- 1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
 - 1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance
 - 2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
- 2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
- 3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
 - 1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
 - 2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.
- Flow chart appendix is included.
- Photo appendix is included.



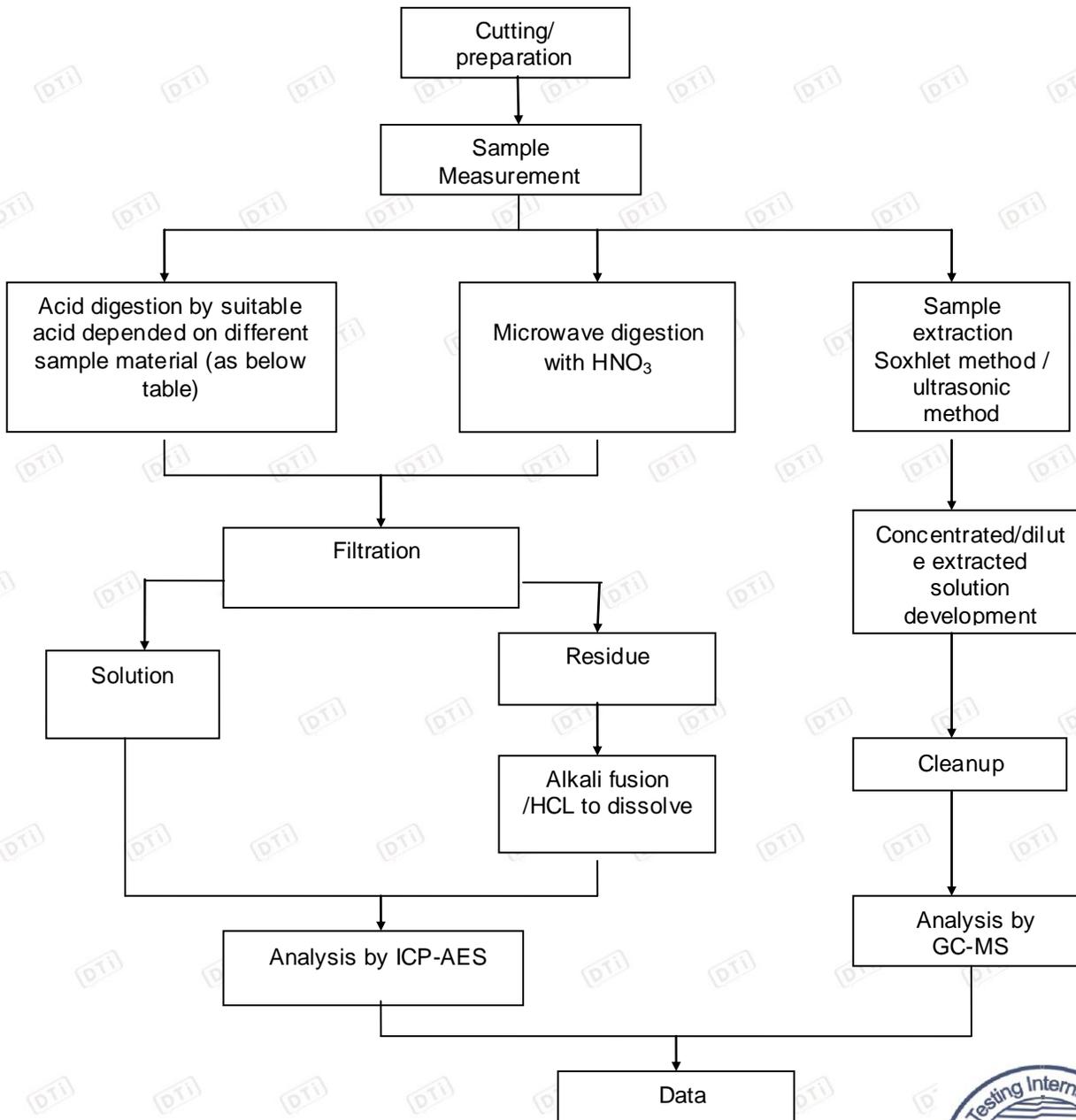
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Appendix





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Table :

| | |
|------------------------------------|--|
| Sample material | Digestion Acid |
| Steel, copper, aluminum, solder | Aqua regia, HNO ₃ , HCL, HF, H ₂ O ₂ |
| Glass | HNO ₃ /HF |
| Gold, platinum, palladium, ceramic | Aqua regia |
| Silver | HNO ₃ |
| Plastic | H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ ,HCL |
| Others | Any acid to total digestion |



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Photograph of Sample



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*** End of Report ***



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