

TEST REPORT

Applicant: Flashbay Electronics
Address: Building2 ,Jixun Industrial Park ,Xinjiao ,Dong'ao Village ,Shatian Town ,Huiyang District ,Huizhou City , Guangdong Province,P.R.China

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

Product name: Water Bottles
Model: MN, WV ,PF ,RH ,FI ,SK
Manufacturer& Factory: Flashbay Electronics
Address Building2 ,Jixun Industrial Park ,Xinjiao ,Dong'ao Village ,Shatian Town ,Huiyang District ,Huizhou City , Guangdong Province,P.R.China

Sample Received Date: 2023-09-19
Testing Period: 2023-09-19 ~ 2023-10-10

Test Requirement:

As specified by client, to screen the 235 substances of very high concern(SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

Summary:

According to the specified scope and evaluation screening, the concentrations of 235 SVHC are $\leq 0.1\%$ (w/w) in the submitted sample(s).

Test Method: Please refer to the following page(s);

Test Result(s): Please refer to the following page(s);

Compiled by: Pure Reviewed by: Lily
Approved by: may Date: 2023-10-10

Sample Description:

| No. | Sample name | Description | Remark |
|-----|----------------|---|------------|
| 1 | White cup(MN) | White plastic shell(cup cover, MN) | • |
| 2 | | White translucent plastic shell(cup cover, MN) | • |
| 3 | | Transparent plastic cover(cup cover, MN) | • |
| 4 | | Transparent plastic buckle(cup body,MN) | • |
| 5 | | Black coating of white plastic bag(cup body,MN) | • |
| 6 | | Plastic base material of white plastic bag(cup body,MN) | • |
| 7 | | Silvery-white metal buckle(metal buckle, MN) | • |
| 8 | | Silvery metal spring(metal buckle, MN) | • |
| 9 | | Silvery metal sheet(metal buckle, MN) | • |
| 10 | | Silvery metal rod(metal buckle, MN) | • |
| 11 | Red cup(WV) | Red plastic cover(cup cover, WV) | • |
| 12 | | Translucent plastic tube(small)(cup cover, WV) | • |
| 13 | | Red rubber ring(cup cover, WV) | • |
| 14 | | Translucent rubber ring(cup cover, WV) | • |
| 15 | | Red rubber plug(cup cover, WV) | • |
| 16A | | Translucent rubber cup(cup cover, WV) | • |
| 17 | | Translucent plastic tube(large)(cup body, WV) | • |
| 18 | | Dark grey coating of transparent plastic shell(cup body, WV) | • |
| 19 | | Plastic base material of transparent plastic shell(cup body, WV) | • |
| 20 | Yellow cup(PF) | Black plastic shell(cup cover, PF) | • |
| 21 | | Translucent rubber ring(cup cover, PF) | Same as 14 |
| 22 | | Black plastic handle(cup cover, PF) | • |
| 23 | | Transparent plastic cover(cup cover, PF) | • |
| 24 | | Translucent rubber cup(cup cover, PF) | • |
| 25 | | Silvery metal rod(large)(cup cover, PF) | • |
| 26 | | Silvery metal spring(short)(cup cover, PF) | • |
| 27 | | Black plastic button(cup cover, PF) | • |
| 28 | | Silvery metal rod(small)(cup cover, PF) | • |
| 29 | | Silvery metal spring(long)(cup cover, PF) | • |
| 30 | | Transparent double-sided adhesive(cup cover, PF) | • |
| 31 | | Yellow rubber strip(cup cover, PF) | • |
| 32 | | Dark grey coating of transparent plastic shell(cup body , PF) | Same as 18 |
| 33 | | Plastic base material of transparent plastic shell(cup body , PF) | Same as 19 |
| 34 | White cup(SK) | Black plastic shell(cup cover, SK) | Same as 20 |
| 35 | | Translucent rubber ring(cup cover, SK) | Same as 14 |
| 36 | | Black plastic handle(cup cover, SK) | Same as 22 |
| 37 | | Transparent plastic cover(cup cover, SK) | Same as 23 |

| No. | Sample name | Description | Remark | |
|-----|-----------------------------------|---|---|------------|
| 38 | | Translucent rubber cup(cup cover, SK) | Same as 24 | |
| 39 | | Silvery metal rod(large)(cup cover, SK) | Same as 25 | |
| 40 | | Silvery metal spring(small)(cup cover, SK) | Same as 26 | |
| 41 | | Black plastic button(cup cover, SK) | Same as 27 | |
| 42 | | Silvery metal rod(small)(cup cover, SK) | Same as 28 | |
| 43 | | Silvery metal spring(medium)(cup cover, SK) | Same as 29 | |
| 44 | | Transparent double-sided adhesive(cup cover, SK) | Same as 30 | |
| 45 | | White rubber strip(cup cover, SK) | ● | |
| 46 | | Black coating of translucent plastic shell(cup body , SK) | Same as 5 | |
| 47 | | Plastic base material of translucent plastic shell(cup body , SK) | ● | |
| 48 | | Transparent plastic bag(fitting, SK) | ● | |
| 49 | | Silvery metal spring(large)(fitting, SK) | ● | |
| 50 | | Blue cup(RH) | Blue rubber plug(cup cover, RH) | ● |
| 51 | | | Blue plastic shell(cup cover, RH) | ● |
| 52 | | | Translucent rubber ring(cup cover, RH) | Same as 14 |
| 53 | | | Blue rubber ring(cup cover, RH) | ● |
| 54 | | | Black coating of translucent plastic shell(cup body , RH) | Same as 5 |
| 55 | | | Plastic base material of translucent plastic shell(cup body , RH) | Same as 47 |
| 56 | | | Transparent plastic bag(fitting, RH) | Same as 48 |
| 57 | Silvery metal spring(fitting, RH) | | Same as 49 | |
| 58 | Green cup(FI) | Green rubber plug(cup cover, FI) | ● | |
| 59 | | Green plastic shell(cup cover, FI) | ● | |
| 60 | | Translucent rubber ring(cup cover, FI) | Same as 14 | |
| 61 | | Green rubber ring(cup cover, FI) | ● | |
| 62 | | Green rubber sleeve with lettering(cup body, FI) | ● | |
| 63 | | Translucent plastic shell(cup body, FI) | Same as 47 | |

Note:

●=Actual tested sample

"Same as" = It means that the sample and the actual tested sample are of the same material and have not been tested.

According to the client's declarations, see the above table for the list of samples (parts) of the same material.

Group Description:

| Group | No. |
|-------|----------------------------|
| T1 | 7+8+9+10+25+26+28+29+49 |
| T2 | 1+2+3+4+6+11+12+17+19+27 |
| T3 | 13+15+24+31+45+50+53+58+61 |
| T4 | 18 |
| T5 | 47+48+51+59 |
| T6 | 62 |
| T7 | 5 |
| T8 | 16A |
| T9 | 20+22+23 |
| T10 | 30 |
| T11 | 14 |

Test Result(s):

| Batch | No. | Test item(s) | CAS No. | Result(s),% | | | RL (%) |
|-------|-----|-----------------------------------|---------|-------------|------|------|--------|
| | | | | T1 | T2 | T3 | |
| / | / | All tested SVHC in candidate list | / | N.D. | N.D. | N.D. | / |

| Batch | No. | Test item(s) | CAS No. | Result(s),% | | | | RL (%) |
|-------|-----|-----------------------------------|---------|-------------|------|------|------|--------|
| | | | | T4 | T5 | T6 | T7 | |
| / | / | All tested SVHC in candidate list | / | N.D. | N.D. | N.D. | N.D. | / |

| Batch | No. | Test item(s) | CAS No. | Result(s),% | | | | RL (%) |
|-------|-----|-----------------------------------|---------|-------------|------|------|------|--------|
| | | | | T8 | T9 | T10 | T11 | |
| / | / | All tested SVHC in candidate list | / | N.D. | N.D. | N.D. | N.D. | / |

All tested SVHC in candidate list:

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|--|---------------------------|-------------------------|--------|
| I | 1 | Anthracene | 120-12-7 | 204-371-1 | 0.050 |
| I | 2 | 4,4'- Diaminodiphenylmethane | 101-77-9 | 202-974-4 | 0.050 |
| I | 3 | Dibutyl phthalate(DBP) | 84-74-2 | 201-557-4 | 0.050 |
| I | 4 | Cobalt dichloride* | 7646-79-9 | 231-589-4 | 0.010 |
| I | 5 | Diarsenic pentaoxide* | 1303-28-2 | 215-116-9 | 0.010 |
| I | 6 | Diarsenic trioxide* | 1327-53-3 | 215-481-4 | 0.010 |
| I | 7 | Sodium dichromate* | 7789-12-0/ 10588-01-9 | 234-190-3 | 0.010 |
| I | 8 | Musk xylene | 81-15-2 | 201-329-4 | 0.050 |
| I | 9 | Bis(2-ethylhexyl) phthalate (DEHP) | 117-81-7 | 204-211-0 | 0.050 |
| I | 10 | Hexabromocyclododecane (HBCDD) | 25637-99-4/ 3194-55-6 | 247-148-4/ 221-695-9 | 0.050 |
| I | 11 | ShortChain ChlorinatedParaffins(SCCPs) | 85535-84-8 | 287-476-5 | 0.050 |
| I | 12 | Bis(tributyltin)oxide (TBTO)* | 56-35-9 | 200-268-0 | 0.050 |
| I | 13 | Lead hydrogen arsenate* | 7784-40-9 | 232-064-2 | 0.010 |
| I | 14 | Benzyl butyl phthalate(BBP) | 85-68-7 | 201-622-7 | 0.050 |
| I | 15 | Triethyl arsenate* | 15606-95-8 | 427-700-2 | 0.010 |
| II | 16 | ^① Anthracene oil | 90640-80-5 | 292-602-7 | 0.050 |
| II | 17 | ^① Anthracene oil, anthracene paste, distn. Lights | 91995-17-4 | 295-278-5 | 0.050 |
| II | 18 | ^① Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 | 0.050 |
| II | 19 | ^① Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | 0.050 |
| II | 20 | ^① Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | 0.050 |
| II | 21 | ^① Coal tar pitch, high temperature | 65996-93-2 | 266-028-2 | 0.050 |
| II | 22 | Acrylamide | 79-06-1 | 201-173-7 | 0.050 |
| II | 23 | 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | 0.050 |
| II | 24 | Diisobutyl phthalate (DIBP) | 84-69-5 | 201-553-2 | 0.050 |
| II | 25 | ^② Lead chromate | 7758-97-6 | 231-846-0 | 0.010 |
| II | 26 | ^② Lead chromate molybdate sulphateRed (C.I. Pigment Red 104) | 12656-85-8 | 235-759-9 | 0.010 |
| II | 27 | ^② Lead sulfochromate yellow(C.I. Pigment Yellow 34) | 1344-37-2 | 215-693-7 | 0.010 |
| II | 28 | Tris(2-chloroethyl)phosphate (TCEP) | 115-96-8 | 204-118-5 | 0.050 |
| III | 29 | Trichloroethylene | 79-01-6 | 201-167-4 | 0.050 |
| III | 30 | ^③ Boric acid* | 10043-35-3/ 11113-50-1 | 233-139-2/ 234-343-4 | 0.010 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|---|--|-------------------------|--------|
| III | 31 | ^③ Disodium tetraborate, anhydrous* | 1330-43-4/ 12179-04-3/ 1303-96-4 | 215-540-4 | 0.010 |
| III | 32 | ^③ Tetraboron disodium heptaoxide, hydrate* | 12267-73-1 | 235-541-3 | 0.010 |
| III | 33 | Sodium chromate* | 7775-11-3 | 231-889-5 | 0.010 |
| III | 34 | Potassium chromate* | 7789-00-6 | 232-140-5 | 0.010 |
| III | 35 | Ammonium dichromate* | 7789-09-5 | 232-143-1 | 0.010 |
| III | 36 | Potassium dichromate* | 7778-50-9 | 231-906-6 | 0.010 |
| IV | 37 | Cobalt(II) sulphate* | 10124-43-3 | 233-334-2 | 0.010 |
| IV | 38 | Cobalt(II) dinitrate* | 10141-05-6 | 233-402-1 | 0.010 |
| IV | 39 | Cobalt(II) carbonate* | 513-79-1 | 208-169-4 | 0.010 |
| IV | 40 | Cobalt(II) diacetate* | 71-48-7 | 200-755-8 | 0.010 |
| IV | 41 | 2-Methoxyethanol | 109-86-4 | 203-713-7 | 0.050 |
| IV | 42 | 2-Ethoxyethanol | 110-80-5 | 203-804-1 | 0.050 |
| IV | 43 | Chromium trioxide* | 1333-82-0 | 215-607-8 | 0.010 |
| IV | 44 | Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* | 7738-94-5/ 13530-68-2 | 231-801-5/ 236-881-5 | 0.010 |
| V | 45 | 2-ethoxyethyl acetate | 111-15-9 | 203-839-2 | 0.050 |
| V | 46 | Strontium chromate* | 7789-06-2 | 232-142-6 | 0.010 |
| V | 47 | ^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 | 0.050 |
| V | 48 | Hydrazine | 7803-57-8/ 302-01-2 | 206-114-9 | 0.050 |
| V | 49 | 1-methyl-2-pyrrolidone | 872-50-4 | 212-828-1 | 0.050 |
| V | 50 | 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | 0.050 |
| V | 51 | ^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 276-158-1 | 0.050 |
| VI | 52 | Dichromium tris(chromate)* | 24613-89-6 | 246-356-2 | 0.010 |
| VI | 53 | Potassium hydroxyoctaoxodizincatedichromate* | 11103-86-9 | 234-329-8 | 0.010 |
| VI | 54 | Pentazinc chromate octahydroxide* | 49663-84-5 | 256-418-0 | 0.010 |
| VI | 55 | ^② Aluminosilicate Refractory Ceramic Fibres (RCF) ** | / | / | 0.010 |
| VI | 56 | ^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) ** | / | / | 0.010 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|--|------------|-----------|--------|
| VI | 57 | ^① Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 | 500-036-1 | 0.050 |
| VI | 58 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | 0.050 |
| VI | 59 | 2-Methoxyaniline (o-Anisidine) | 90-04-0 | 201-963-1 | 0.050 |
| VI | 60 | 4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol) | 140-66-9 | 205-426-2 | 0.050 |
| VI | 61 | 1,2-Dichloroethane | 107-06-2 | 203-458-1 | 0.050 |
| VI | 62 | Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | 0.050 |
| VI | 63 | Arsenic acid* | 7778-39-4 | 231-901-9 | 0.010 |
| VI | 64 | Calcium arsenate* | 7778-44-1 | 231-904-5 | 0.010 |
| VI | 65 | Trilead diarsenate* | 3687-31-8 | 222-979-5 | 0.010 |
| VI | 66 | N,N-dimethylacetamide (DMAC) | 127-19-5 | 204-826-4 | 0.050 |
| VI | 67 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | 202-918-9 | 0.050 |
| VI | 68 | Phenolphthalein | 77-09-8 | 201-004-7 | 0.050 |
| VI | 69 | Lead diazide* | 13424-46-9 | 236-542-1 | 0.010 |
| VI | 70 | Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)* | 15245-44-0 | 239-290-0 | 0.010 |
| VI | 71 | Lead dipicrate* | 6477-64-1 | 229-335-2 | 0.010 |
| VII | 72 | 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | 0.050 |
| VII | 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | 0.050 |
| VII | 74 | ^③ Diboron trioxide* | 1303-86-2 | 215-125-8 | 0.010 |
| VII | 75 | Formamide | 75-12-7 | 200-842-0 | 0.050 |
| VII | 76 | Lead(II) bis methanesulfonate* | 17570-76-2 | 401-750-5 | 0.010 |
| VII | 77 | TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | 2451-62-9 | 219-514-3 | 0.050 |
| VII | 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 | 0.050 |
| VII | 79 | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | 0.050 |
| VII | 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | 0.050 |
| VII | 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 | 0.050 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|---|---|---|--------|
| VII | 82 | [4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl]methylene]cycl ohexa-2,5- dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26) | 2580-56-5 | 219-943-6 | 0.050 |
| VII | 83 | α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C .I. Solvent Blue 4) | 6786-83-0 | 229-851-8 | 0.050 |
| VII | 84 | 4,4'-bis(dimethylamino)-4''-(methylamino)t rityl alcohol | 561-41-1 | 209-218-2 | 0.050 |
| VIII | 85 | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | 1163-19-5 | 214-604-9 | 0.050 |
| VIII | 86 | 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] | / | / | 0.050 |
| VIII | 87 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 | 0.050 |
| VIII | 88 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | / | / | 0.050 |
| VIII | 89 | Henicosafuoroundecanoic acid | 2058-94-8 | 218-165-4 | 0.050 |
| VIII | 90 | Pentacosafuorotridecanoic acid | 72629-94-8 | 276-745-2 | 0.050 |
| VIII | 91 | 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 | 0.050 |
| VIII | 92 | 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 | 0.050 |
| VIII | 93 | Heptacosafuorotetradecanoic acid | 376-06-7 | 206-803-4 | 0.050 |
| VIII | 94 | Diisopentylphthalate(DIPP) | 605-50-5 | 210-088-4 | 0.050 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|---|-------------|-----------|--------|
| VIII | 95 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 | 0.050 |
| VIII | 96 | N-pentyl-isopentylphthalate | 776297-69-9 | / | 0.050 |
| VIII | 97 | Methoxyacetic acid | 625-45-6 | 210-894-6 | 0.050 |
| VIII | 98 | Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 | 0.050 |
| VIII | 99 | 1,2-Diethoxyethane | 629-14-1 | 211-076-1 | 0.050 |
| VIII | 100 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | 0.050 |
| VIII | 101 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 95-80-7 | 202-453-1 | 0.050 |
| VIII | 102 | N-methylacetamide | 79-16-3 | 201-182-6 | 0.050 |
| VIII | 103 | Pentalead tetraoxide sulphate* | 12065-90-6 | 235-067-7 | 0.010 |
| VIII | 104 | Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | 0.050 |
| VIII | 105 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 88-85-7 | 201-861-7 | 0.050 |
| VIII | 106 | Dioxobis(stearato)trilead* | 12578-12-0 | 235-702-8 | 0.010 |
| VIII | 107 | Lead dinitrate* | 10099-74-8 | 233-245-9 | 0.010 |
| VIII | 108 | Tetralead trioxide sulphate* | 12202-17-4 | 235-380-9 | 0.010 |
| VIII | 109 | Lead monoxide (lead oxide)* | 1317-36-8 | 215-267-0 | 0.010 |
| VIII | 110 | Lead titanium trioxide* | 12060-00-3 | 235-038-9 | 0.010 |
| VIII | 111 | 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 | 0.050 |
| VIII | 112 | Acetic acid, lead salt, basic* | 51404-69-4 | 257-175-3 | 0.010 |
| VIII | 113 | Dimethyl sulphate | 77-78-1 | 201-058-1 | 0.050 |
| VIII | 114 | Furan | 110-00-9 | 203-727-3 | 0.050 |
| VIII | 115 | Pyrochlore, antimony lead yellow* | 8012-00-8 | 232-382-1 | 0.010 |
| VIII | 116 | Tetraethyllead* | 78-00-2 | 201-075-4 | 0.010 |
| VIII | 117 | [Phthalato(2-)]dioxotrilead* | 69011-06-9 | 273-688-5 | 0.010 |
| VIII | 118 | Diethyl sulphate | 64-67-5 | 200-589-6 | 0.050 |
| VIII | 119 | Lead cyanamidate* | 20837-86-9 | 244-073-9 | 0.010 |
| VIII | 120 | Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped* | 68784-75-8 | 272-271-5 | 0.010 |
| VIII | 121 | Trilead dioxide phosphonate* | 12141-20-7 | 235-252-2 | 0.010 |
| VIII | 122 | o-Toluidine | 95-53-4 | 202-429-0 | 0.050 |
| VIII | 123 | o-aminoazotoluene | 97-56-3 | 202-591-2 | 0.050 |
| VIII | 124 | 4-aminoazobenzene | 60-09-3 | 200-453-6 | 0.050 |
| VIII | 125 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 | 0.050 |
| VIII | 126 | Dibutyltin dichloride (DBTC) | 683-18-1 | 211-670-0 | 0.050 |
| VIII | 127 | Lead titanium zirconium oxide* | 12626-81-2 | 235-727-4 | 0.010 |
| VIII | 128 | Methyloxirane (Propylene oxide) | 75-56-9 | 200-879-2 | 0.050 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|--|------------|-----------|--------|
| VIII | 129 | 1-bromopropane (n-propyl bromide) | 106-94-5 | 203-445-0 | 0.050 |
| VIII | 130 | Trilead bis(carbonate)dihydroxide* | 1319-46-6 | 215-290-6 | 0.010 |
| VIII | 131 | Fatty acids, C16-18, lead salts* | 91031-62-8 | 292-966-7 | 0.010 |
| VIII | 132 | Orange lead (lead tetroxide)* | 1314-41-6 | 215-235-6 | 0.010 |
| VIII | 133 | Sulfurous acid, lead salt, dibasic* | 62229-08-7 | 263-467-1 | 0.010 |
| VIII | 134 | 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 | 0.050 |
| VIII | 135 | Lead oxide sulfate* | 12036-76-9 | 234-853-7 | 0.010 |
| VIII | 136 | Lead bis(tetrafluoroborate)* | 13814-96-5 | 237-486-0 | 0.010 |
| VIII | 137 | Silicic acid, lead salt* | 11120-22-2 | 234-363-3 | 0.010 |
| VIII | 138 | N,N-dimethylformamide | 68-12-2 | 200-679-5 | 0.050 |
| IX | 139 | Cadmium | 7440-43-9 | 231-152-8 | 0.010 |
| IX | 140 | Cadmium oxide* | 1306-19-0 | 215-146-2 | 0.010 |
| IX | 141 | Dipentyl phthalate (DPP) | 131-18-0 | 205-017-9 | 0.050 |
| IX | 142 | 4-Nonylphenol, branched and linear, ethoxylated[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | / | / | 0.050 |
| IX | 143 | Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 223-320-4 | 0.050 |
| IX | 144 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 206-397-9 | 0.050 |
| X | 145 | ^① Trixylyl phosphate | 25155-23-1 | 246-677-8 | 0.050 |
| X | 146 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 1937-37-7 | 217-710-3 | 0.050 |
| X | 147 | Dihexyl phthalate | 84-75-3 | 201-559-5 | 0.050 |
| X | 148 | Cadmium sulphide* | 1306-23-6 | 215-147-8 | 0.010 |
| X | 149 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 573-58-0 | 209-358-4 | 0.050 |
| X | 150 | Lead di(acetate)* | 301-04-2 | 206-104-4 | 0.010 |
| X | 151 | Imidazolidine-2-thione; 2-imidazoline-2-thiol | 96-45-7 | 202-506-9 | 0.050 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|---|---------------------------|-------------------------|--------|
| XI | 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5 | 0.050 |
| XI | 153 | Cadmium chloride | 10108-64-2 | 233-296-7 | 0.010 |
| XI | 154 | ® Sodium peroxometaborate perboric acid, sodium salt* | / | 239-172-9/ 234-390-0 | 0.010 |
| XI | 155 | ® Sodium peroxometaborate* | 7632-04-4 | 231-556-4 | 0.010 |
| XII | 156 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | 247-384-8 | 0.050 |
| XII | 157 | 2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320) | 3846-71-7 | 223-346-6 | 0.050 |
| XII | 158 | Cadmium fluoride* | 7790-79-6 | 232-222-0 | 0.010 |
| XII | 159 | Cadmium sulphate* | 10124-36-4/ 31119-53-6 | 233-331-6 | 0.010 |
| XII | 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE | 15571-58-1 | 239-622-4 | 0.050 |
| XII | 161 | 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-ethylhexyloxy)-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | / | / | 0.050 |
| XIII | 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 | 0.050 |
| XIII | 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] | / | / | 0.050 |
| XIV | 164 | 1,3-propanesultone | 1120-71-4 | 214-317-9 | 0.050 |
| XIV | 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | 223-383-8 | 0.050 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|---|--|-------------------------|--------|
| XIV | 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | 253-037-1 | 0.050 |
| XIV | 167 | Nitrobenzene | 98-95-3 | 202-716-0 | 0.050 |
| XIV | 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | 375-95-1/ 21049-39-8/ 4149-60-4 | 206-801-3 | 0.050 |
| XV | 169 | Benzo[def]chrysene | 50-32-8 | 200-028-5 | 0.050 |
| XVI | 170 | Bisphenol(BPA) | 80-05-7 | 201-245-8 | 0.050 |
| XVI | 171 | 4-Heptylphenol, branched and linear (substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof) | / | / | 0.050 |
| XVI | 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 3108-42-7/ 335-76-2/ 3830-45-3 | 206-400-3/ 221-470-5 | 0.050 |
| XVI | 173 | 4-tert-amylphenol | 80-46-6 | 201-280-9 | 0.050 |
| XVII | 174 | Perfluorohexane-1-sulphonic acid and its salts (PFHxS) | / | / | 0.050 |
| XVIII | 175 | Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof) | 13560-89-9/ 135821-74-8/ 135821-03-3 | / | 0.050 |
| XVIII | 176 | Benzo[a]anthracene | 56-55-3 | 200-280-6 | 0.050 |
| XVIII | 177 | Cadmium nitrate* | 10325-94-7 | 233-710-6 | 0.010 |
| XVIII | 178 | Cadmium carbonate* | 513-78-0 | 208-168-9 | 0.010 |
| XVIII | 179 | Cadmium hydroxide* | 21041-95-2 | 244-168-5 | 0.010 |
| XVIII | 180 | Chrysene | 218-01-9 | 205-923-4 | 0.050 |
| XVIII | 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] | / | / | 0.050 |
| XIX | 182 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride, TMA) | 552-30-7 | 209-008-0 | 0.050 |
| XIX | 183 | Dicyclohexyl phthalate (DCHP) | 84-61-7 | 201-545-9 | 0.050 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|--|-------------|-----------|--------|
| XIX | 184 | Benzo[ghi]perylene | 191-24-2 | 205-883-8 | 0.050 |
| XIX | 185 | Decamethylcyclopentasiloxane (D5) | 541-02-6 | 208-764-9 | 0.050 |
| XIX | 186 | [®] Disodium octaborate* | 12008-41-2 | 234-541-0 | 0.010 |
| XIX | 187 | Dodecamethylcyclohexasiloxane (D6) | 540-97-6 | 208-762-8 | 0.050 |
| XIX | 188 | Ethylenediamine (EDA) | 107-15-3 | 203-468-6 | 0.050 |
| XIX | 189 | Lead | 7439-92-1 | 231-100-4 | 0.010 |
| XIX | 190 | Octamethylcyclotetrasiloxane (D4) | 556-67-2 | 209-136-7 | 0.050 |
| XIX | 191 | Terphenyl, hydrogenated | 61788-32-7 | 262-967-7 | 0.050 |
| XX | 192 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) | 15087-24-8 | 239-139-9 | 0.050 |
| XX | 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | 401-720-1 | 0.050 |
| XX | 194 | Benzo[k]fluoranthene | 207-08-9 | 205-916-6 | 0.050 |
| XX | 195 | Fluoranthene | 206-44-0 | 205-912-4 | 0.050 |
| XX | 196 | Phenanthrene | 85-01-8 | 201-581-5 | 0.050 |
| XX | 197 | Pyrene | 129-00-0 | 204-927-3 | 0.050 |
| XXI | 198 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) | / | / | 0.050 |
| XXI | 199 | 4-tert-butylphenol | 98-54-4 | 202-679-0 | 0.050 |
| XXI | 200 | 2-methoxyethyl acetate | 110-49-6 | 203-772-9 | 0.050 |
| XXI | 201 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides(covering any of their individual isomers and combinations thereof) | / | / | 0.050 |
| XXII | 202 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | 404-360-3 | 0.050 |
| XXII | 203 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | 400-600-6 | 0.050 |
| XXII | 204 | Diisohexyl phthalate | 71850-09-4 | 276-090-2 | 0.050 |
| XXII | 205 | Perfluorobutane sulfonic acid (PFBS) and its salts | / | / | 0.050 |
| XXIII | 206 | 1-vinylimidazole | 1072-63-5 | 214-012-0 | 0.050 |
| XXIII | 207 | 2-methylimidazole | 693-98-1 | 211-765-7 | 0.050 |
| XXIII | 208 | Butyl 4-hydroxybenzoate | 94-26-8 | 202-318-7 | 0.050 |
| XXIII | 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 | 245-152-0 | 0.050 |
| XXIV | 210 | Bis(2-(2-methoxyethoxy)ethyl) ether | 143-24-8 | 205-594-7 | 0.050 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|-------|-----|--|--|---------------------------------------|--------|
| XXIV | 211 | Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | / | / | 0.050 |
| XXV | 212 | 1,4-dioxane | 123-91-1 | 204-661-8 | 0.050 |
| XXV | 213 | 2,2-bis(bromomethyl)propane 1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) | 3296-90-0/ 36483-57-5, 1522-92-5/ 96-13-9 | 221-967-7/ 253-057-0/ 202-480-9 | 0.050 |
| XXV | 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | / | / | 0.050 |
| XXV | 215 | 4,4'-(1-methylpropylidene) bisphenol (bisphenol B) | 77-40-7 | 201-025-1 | 0.050 |
| XXV | 216 | Glutaral | 111-30-8 | 203-856-5 | 0.050 |
| XXV | 217 | Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17] | / | / | 0.050 |
| XXV | 218 | [®] Orthoboric acid, sodium salt (Group) * | / | / | 0.010 |
| XXV | 219 | Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP) | / | / | 0.050 |
| XXVI | 220 | (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) | / | / | 0.050 |
| XXVI | 221 | 6,6'-di-tert-butyl-2,2'-methylene di-p-cresol | 119-47-1 | 204-327-1 | 0.050 |
| XXVI | 222 | S-(tricyclo[5.2.1.0 ^{2,6}]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8 | 401-850-9 | 0.050 |
| XXVI | 223 | Tris(2-methoxyethoxy)vinylsilane | 1067-53-4 | 213-934-0 | 0.050 |
| XXVII | 224 | N-(hydroxymethyl)acrylamide | 924-42-5 | 213-103-2 | 0.050 |

| Batch | No. | Substance Name(s) | CAS No. | EC No. | RL (%) |
|--------|-----|--|------------|-----------|--------|
| XXVIII | 225 | 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] | 37853-59-1 | 253-692-3 | 0.050 |
| XXVIII | 226 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 79-94-7 | 201-236-9 | 0.050 |
| XXVIII | 227 | 4,4'-sulphonyldiphenol | 80-09-1 | 201-250-5 | 0.050 |
| XXVIII | 228 | ® Barium diboron tetraoxide* | 13701-59-2 | 237-222-4 | 0.010 |
| XXVIII | 229 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | / | / | 0.050 |
| XXVIII | 230 | Isobutyl 4-hydroxybenzoate | 4247-02-3 | 224-208-8 | 0.050 |
| XXVIII | 231 | Melamine | 108-78-1 | 203-615-4 | 0.050 |
| XXVIII | 232 | Perfluoroheptanoic acid and its salts | / | / | 0.050 |
| XXVIII | 233 | Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropyl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | / | 473-390-7 | 0.050 |
| XXIX | 234 | Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide | 75980-60-8 | 278-355-8 | 0.050 |
| XXIX | 235 | Bis(4-chlorophenyl) sulphone | 80-07-9 | 201-247-9 | 0.050 |

Test Method:

With reference to NTEK in-house method, Analysis is performed by Liquid Chromatography Mass Spectrometry/ Mass Spectrometry (LC-MS/MS), Gas Chromatography and Mass Spectrometry (GC-MS), headspace GC-MS, Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), UV-Vis spectrophotometer.

Note:

1. “%” =percent by weight, 0.1% = 1000 mg/kg =1000 ppm
2. RL = Report Limit, N.D. = Not Detected (<RL), / = Not Regulated or Not Applicable
3. *: Concentration value of the substance by the conversion from the test results of certain elements.
Concentration value of Bis(tributyltin)oxide by the conversion from the test results of Tributyl Tins.
4. **: 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).
5. 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.
6. 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 therepresentative compounds are calculated based on the result of specified heavy metal elements.
7. ③: Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide; Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate; Disodium octaborate; Orthoboric acid, sodium salt (Group) ; Barium diboron tetraoxide 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.
8. REACH regulations related to obligations
 - (a) The chemical analysis of SVHC is performed by means of currently available analytical Techniques against the list published by ECHA, and shall refer to <http://echa.europa.eu/web/guest/candidate-list-table>. This list is under evaluation by ECHA and may subject to change in the future;
 - (b) Concerning article(s):

Notification: In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (i) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (ii) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w);

Inform: Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with

sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance;

(c) Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

(d) Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and No 790/2009, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006.

9. Part No.16A Resubmitted Date: Oct. 08,2023

Sample photo(s):



Fig.1



Fig.2

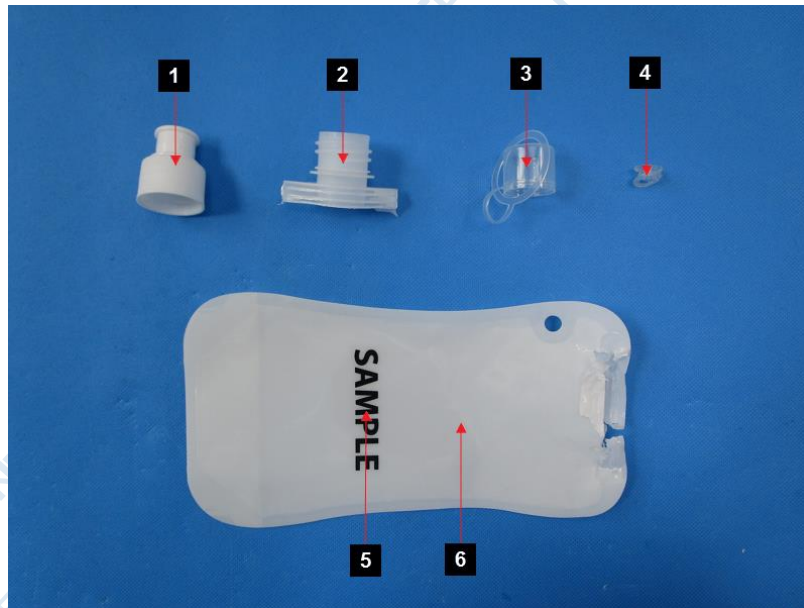


Fig.3

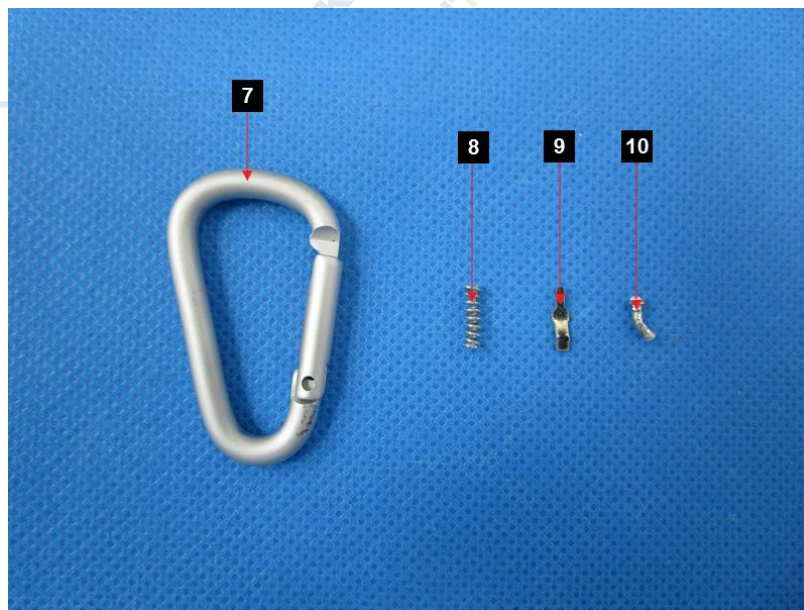


Fig.4

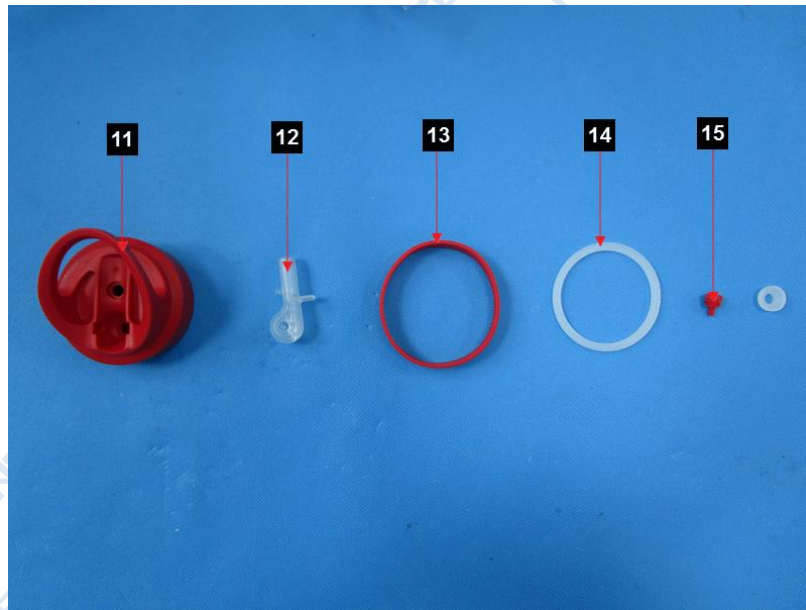


Fig.5

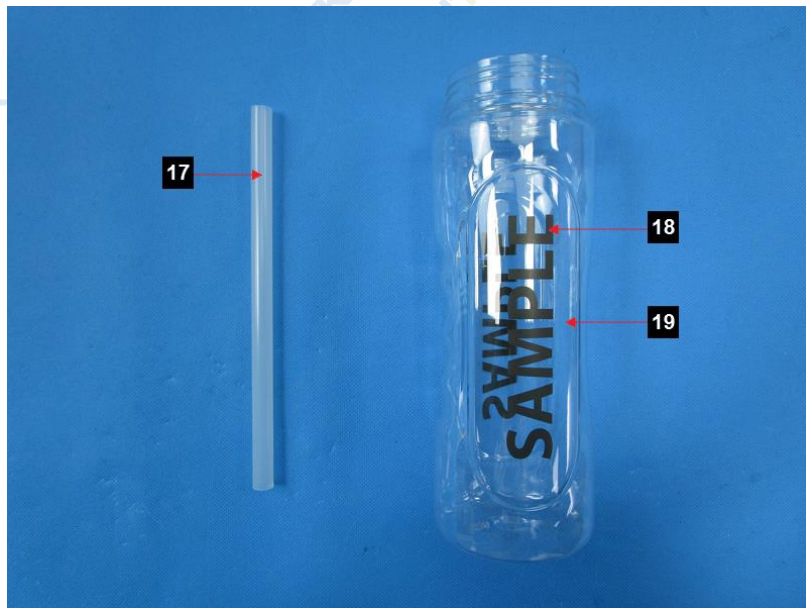


Fig.6

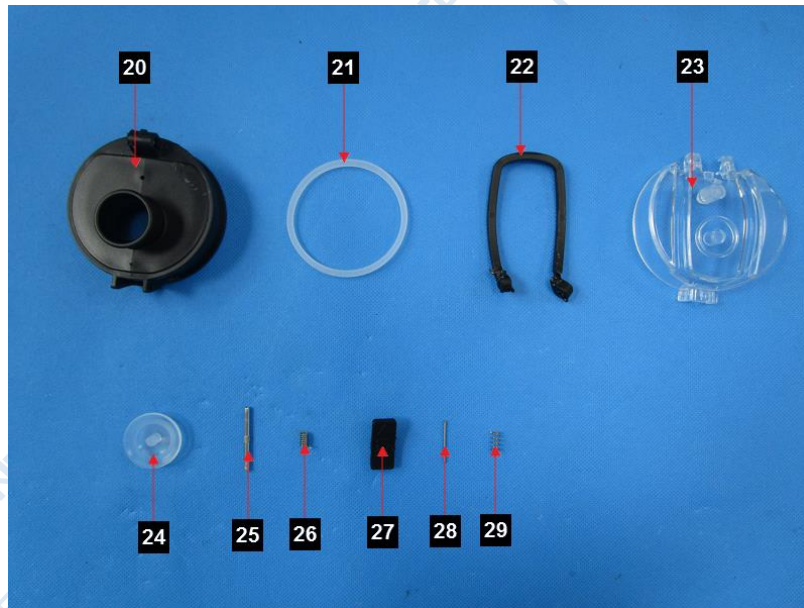


Fig.7



Fig.8

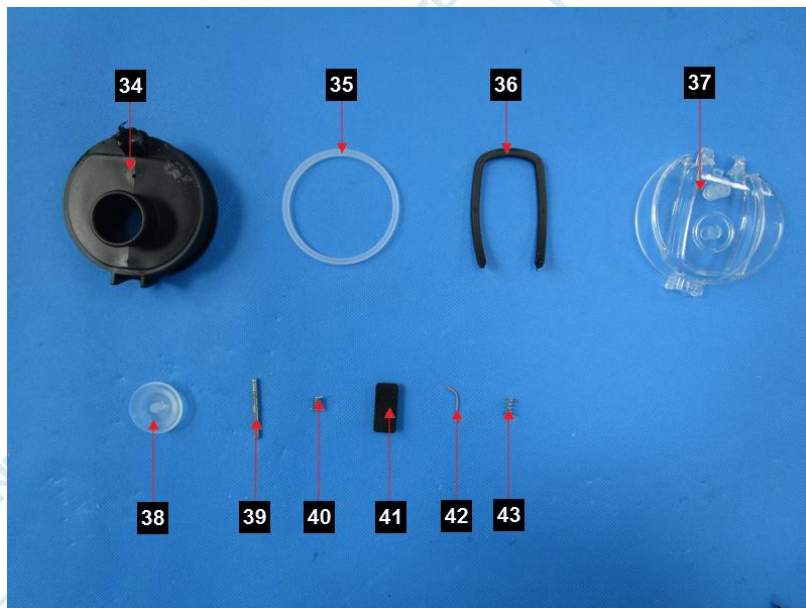


Fig.9

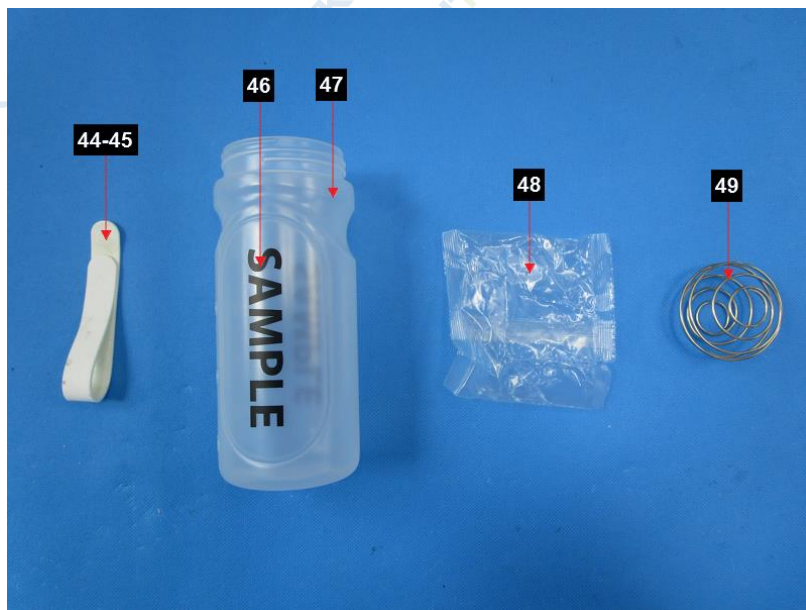


Fig.10

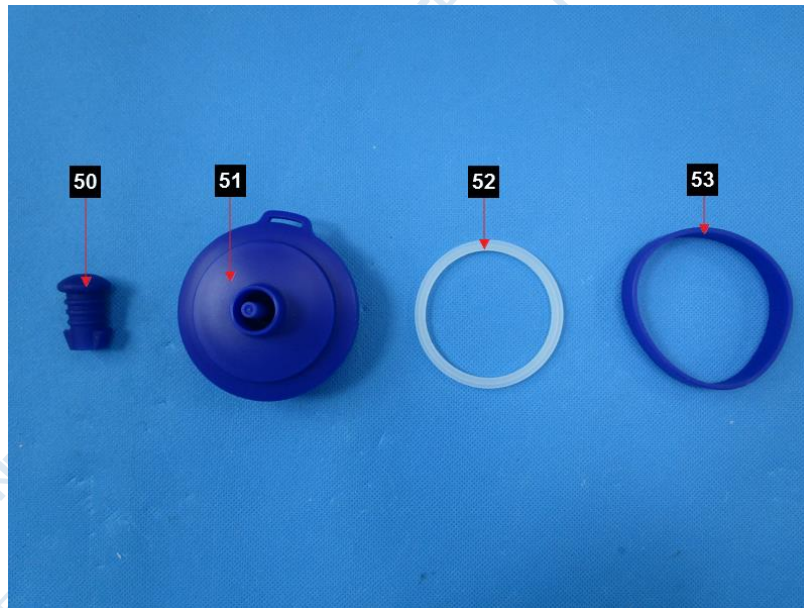


Fig.11

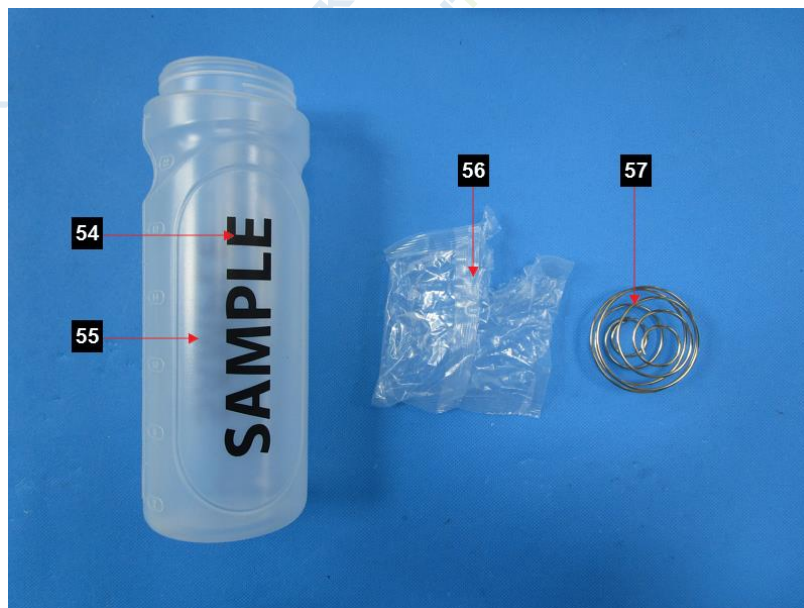


Fig.12

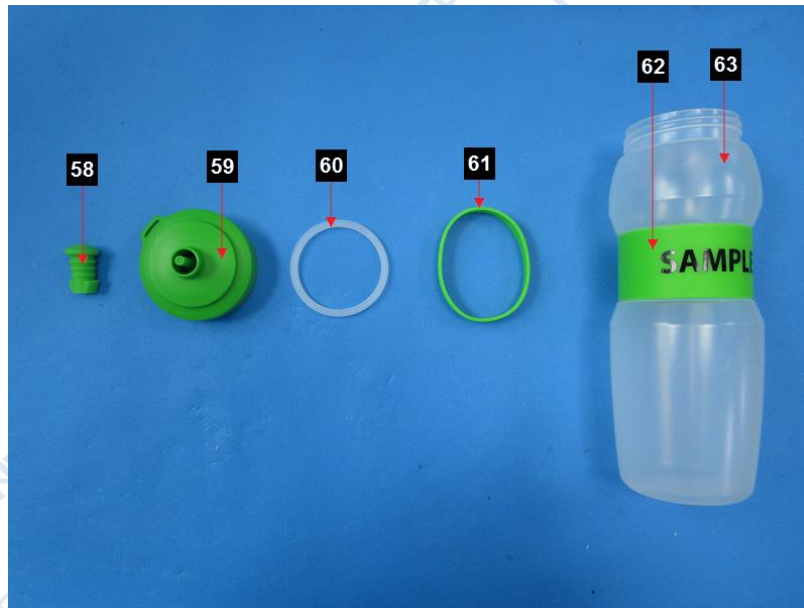


Fig.13

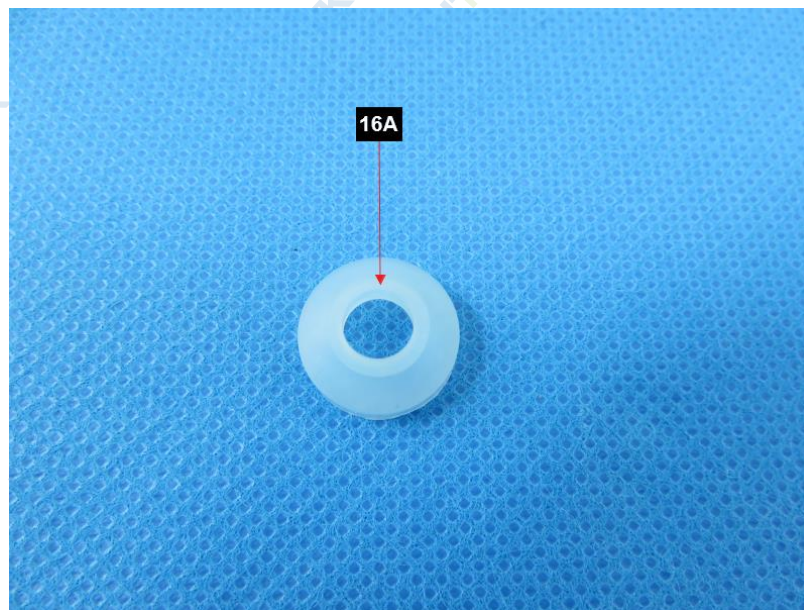


Fig.14

****End of Report****

The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of NTEK, this report can't be reproduced except in full.