



RISK MANAGEMENT REPORT ON SVHC OF REACH **for Substances of Very High Concern (SVHCs)**

Application No 22-09-QAC-119

Date of Receipt 2022/09/23

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Applicant HONTKO CO., LTD.

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Sample Description Industry Sensor

Model No. H, M, L, A

Report Content
A. Test Information
B. Test Results
C. Sample Photo
D. Flow Chart

1. Any sample(s) and its information listed in this document are provided and confirmed by clients.
2. This report only refers to the specimen(s) tested.
3. This Test Report cannot be reproduced, except in full, without prior written permission of the Laboratory.

Approved by:


Laboratory Representative

The content of this PDF file is in accordance with its original issued Test Report. PDF files are for reference only.

A. Test Information

1. Test Method:

Sample pretreated by acid digestion and solvent extraction.

Analyzed by ICP-OES, UV-VIS, GC-MS, GC and LC-MS-MS

Sample pretreated by DI Water extraction for B .

2. * : the test result is converted from reading.

3. MDL : Method Detection Limitation.

4. N.D. : Not Detected.

5. --- : Not Applicable

6. 0.1% : = 1000 mg/kg (ppm)

7. Tested by : Ellen 、ZIV 、Wei 、Yin 、Andy

8. Reviewed by : sujane

9. The samples was/were analyzed on behalf of the applicant as mixing sample in one testing.

The above results was/were only given as the informality value.

10. There are 224 substances on SVHC test report.

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
*Cobalt dichloride(CoCl_2) (CAS No.7646-79-9)	N.D.	0.025	N.D.	0.1
*Diarsenic pentaoxide(As_2O_5) (CAS No.1303-28-2)	N.D.	N.D.	N.D.	0.1
*Diarsenic trioxide (As_2O_3) (CAS No.1327-53-3)	N.D.	N.D.	N.D.	0.1
* Triethyl arsenate($(\text{C}_2\text{H}_5\text{O})_3\text{AsO}$) (CAS No.15606-95-8)	N.D.	N.D.	N.D.	0.1
*Sodium dichromate ($\text{Na}_2\text{Cr}_2\text{O}_7$) (CAS No.7789-12-0/10588-01-9)	N.D.	N.D.	N.D.	0.1
*Lead hydrogen arsenate($\text{Pb}_3(\text{AsO}_4)_2$) (CAS No.7784-40-9)	N.D.	N.D.	N.D.	0.1
Anthracene (CAS No.120-12-7)	N.D.	N.D.	N.D.	0.1
4,4'-Diaminodiphenylmethane (CAS No.101-77-9)	N.D.	N.D.	N.D.	0.1
Hexabromocyclododecane (HBCDD) (CAS No.25637-99-4 / 3194-55-6 / 134237-50-6 / 134237-52-8 / 134237-51-7)	N.D.	N.D.	N.D.	0.1
Chlorinated Paraffins (C10~C13) (CAS No.85535-84-8)	N.D.	N.D.	N.D.	0.1
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)(CAS No.81-15-2)	N.D.	N.D.	N.D.	0.1
Dibutyl Phthalate (DBP) (CAS No.84-74-2)	N.D.	N.D.	N.D.	0.1
Bis(2-ethylhexyl) phthalate (DEHP) (CAS No.117-81-7)	N.D.	N.D.	N.D.	0.1
Benzyl butyl phthalate (BBP) (CAS No.85-68-7)	N.D.	N.D.	N.D.	0.1
*Bis(tributyltin) oxide (TBTO) (CAS No.56-35-9)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
*Lead sulfochromate yellow (C.I. Pigment Yellow 34)(CAS No.1344-37-2)	N.D.	N.D.	N.D.	0.1
*Lead chromate molybdate sulphate red (C.I. Pigment Red 104)(CAS No. 12656-85-8)	N.D.	N.D.	N.D.	0.1
*Lead chromate (CAS No.7758-97-6)	N.D.	N.D.	N.D.	0.1
*Anthracene oil (CAS No.90640-80-5)	N.D.	N.D.	N.D.	0.1
*Anthracene oil, anthracene paste, distn(CAS No. 91995-17-4)	N.D.	N.D.	N.D.	0.1
*Anthracene oil, anthracene paste, anthracene fraction (CAS No. 91995-15-2)	N.D.	N.D.	N.D.	0.1
*Anthracene oil, anthracene-low (CAS No.90640-82-7)	N.D.	N.D.	N.D.	0.1
*Anthracene oil, anthracene paste (CAS No.90640-81-6)	N.D.	N.D.	N.D.	0.1
Diisobutyl phthalate (CAS No.84-69-5)	N.D.	N.D.	N.D.	0.1
2,4-Dinitrotoluene (CAS No.121-14-2)	N.D.	N.D.	N.D.	0.1
*Coal tar pitch, high temperature (CAS No.65996-93-2)	N.D.	N.D.	N.D.	0.1
Tris(2-chloroethyl)phosphate (CAS No.115-96-8)	N.D.	N.D.	N.D.	0.1
Acrylamide (CAS No.79-06-1)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
*Boric acid (CAS No.10043-35-3/11113-50-1)	N.D.	N.D.	N.D.	0.1
*Disodium tetraborate, anhydrous (CAS No. 1330-43-4)	N.D.	N.D.	N.D.	0.1
*Tetraboron disodium heptaoxide, hydrate (5H ₂ O) (CAS No. 12179-04-3)	N.D.	N.D.	N.D.	0.1
*Tetraboron disodium heptaoxide, hydrate(10H ₂ O) (CAS No. 1303-96-4)	N.D.	N.D.	N.D.	0.1
*Tetraboron disodium heptaoxide, hydrate (CAS No. 12267-73-1)	N.D.	N.D.	N.D.	0.1
*Sodium chromate (CAS No.7775-11-3)	N.D.	N.D.	N.D.	0.1
*Potassium chromate (CAS No. 7789-00-6)	N.D.	N.D.	N.D.	0.1
*Ammonium dichromate (CAS No. 7789-09-5)	N.D.	N.D.	N.D.	0.1
*Potassium dichromate (CAS No. 7778-50-9)	N.D.	N.D.	N.D.	0.1
Trichloroethylene (CAS No. 79-01-6)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
*Cobalt(II) sulphate(CoSO_4) (CAS No.10124-43-3)	N.D.	0.030	N.D.	0.1
*Cobalt(II) dinitrate ($\text{Co}(\text{NO}_3)_2$) (CAS No.10141-05-6)	N.D.	0.036	N.D.	0.1
*Cobalt(II) carbonate(CoCO_3) (CAS No. 513-79-1)	N.D.	0.023	N.D.	0.1
*Cobalt(II) diacetate($2(\text{C}_2\text{H}_3\text{O}_2)\text{Co}$) (CAS No.71-48-7)	N.D.	0.034	N.D.	0.1
*Chromium trioxide (CrO_3) (CAS No.1333-82-0)	N.D.	N.D.	N.D.	0.1
*Chromic acid (H_2CrO_4) (CAS No.7738-94-5)	N.D.	N.D.	N.D.	0.1
*Dichromic acid($\text{Cr}_2\text{H}_2\text{O}_7$) (CAS No.13530-68-2)	N.D.	N.D.	N.D.	0.1
2-Methoxyethanol (CAS No.109-86-4)	N.D.	N.D.	N.D.	0.1
2-Ethoxyethanol (CAS No.110-80-5)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
*Strontium Chromate (CAS No. 7789-06-2)	N.D.	N.D.	N.D.	0.1
2-ethoxyethyl acetate (CAS No. 111-15-9)	N.D.	ND.	N.D.	0.1
1,2-benzenedicarboxylic Acid, di-C7-11- branched and Linear Alkyl Esters (CAS No. 68515-42-4)	N.D.	ND.	N.D.	0.1
Hydrazine (CAS No. 7803-57-8/302-01-2)	N.D.	ND.	N.D.	0.1
1-methyl-2-pyrrolidone (CAS No. 872-50-4)	N.D.	ND.	N.D.	0.1
1,2,3-trichloropropane (CAS No. 96-18-4)	N.D.	ND.	N.D.	0.1
1,2-benzenedicarboxylic Acid, di-C6-8- branched Alkyl Esters, C7-rich (CAS No. 71888-89-6)	N.D.	ND.	N.D.	0.1
*Dichromium tris(chromate) (CAS No. 24613-89-6)	N.D.	N.D.	N.D.	0.1
*Potassium hydroxyoctaoxodizincatedi- chromate(CAS No.11103-86-9)	N.D.	N.D.	N.D.	0.1
*Pentazinc chromate octahydroxide (CAS No.49663-84-5)	N.D.	N.D.	N.D.	0.1
*Aluminosilicate Refractory Ceramic Fibres (RCF)	N.D.	N.D.	N.D.	0.1
*Zr-RCF (Zirconia Aluminosilicate Refractory Ceramic Fibres	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
*Arsenic acid (CAS No. 7778-39-4)	N.D.	N.D.	N.D.	0.1
*Calcium arsenate (CAS No. 7778-44-1)	N.D.	N.D.	N.D.	0.1
*Trilead diarsenate (CAS No.3687-31-8)	N.D.	N.D.	N.D.	0.1
*Lead azide Lead diazide (CAS No. 13424-46-9)	N.D.	N.D.	N.D.	0.1
*Lead styphnate (CAS No. 15245-44-0)	N.D.	N.D.	N.D.	0.1
*Lead dipicrate (CAS No.6477-64-1)	N.D.	N.D.	N.D.	0.1
2-Methoxyaniline; o-Anisidine (CAS No. 90-04-0)	N.D.	N.D.	N.D.	0.1
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) (CAS No.140-66-9)	N.D.	N.D.	N.D.	0.1
1,2-Dichloroethane (CAS No. 107-06-2)	N.D.	N.D.	N.D.	0.1
Bis(2-methoxyethyl) ether (CAS No.111-96-6)	N.D.	N.D.	N.D.	0.1
Formaldehyde, oligomeric reaction products with aniline(CAS No. 25214-70-4)	N.D.	N.D.	N.D.	0.1
Bis(2-methoxyethyl) phthalate (CAS No.117-82-8)	N.D.	N.D.	N.D.	0.1
N,N-dimethylacetamide (CAS No.127-19-5)	N.D.	N.D.	N.D.	0.1
Phenolphthalein (CAS No.77-09-8)	N.D.	N.D.	N.D.	0.1
2,2'-dichloro-4,4'-methylenedianiline (MOCA)(CAS No.101-14-4)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
* Diboron trioxide (CAS No. 1303-86-2)	N.D.	N.D.	N.D.	0.1
*Lead(II) bis(methanesulfonate) (CAS No. 17570-76-2)	N.D.	N.D.	N.D.	0.1
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)(CAS No. 112-49-2)	N.D.	N.D.	N.D.	0.1
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) (CAS No. 110-71-4)	N.D.	N.D.	N.D.	0.1
Formamide (CAS No. 75-12-7)	N.D.	N.D.	N.D.	0.1
TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5- triazine-2,4,6(1H,3H,5H)-trione) (CAS No.2451-62-9)	N.D.	N.D.	N.D.	0.1
β-TGIC (1,3,5-tris[(2S and 2R)-2,3- epoxypropyl]-1,3,5-triazine-2,4,6- (1H,3H,5H)-trione)(CAS No. 59653-74-6)	N.D.	N.D.	N.D.	0.1
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)(CAS No.90-94-8)	N.D.	N.D.	N.D.	0.1
N,N,N',N'-tetramethyl-4,4'- methylenedianiline (Michler's base) (CAS No. 101-61-1)	N.D.	N.D.	N.D.	0.1
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1- ylidene]dimethylammonium chloride C.I. Basic Violet 3)(CAS No.548-62-9)	N.D.	N.D.	N.D.	0.1
[4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cyclo hexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)(CAS No. 2580-56-5)	N.D.	N.D.	N.D.	0.1
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)(CAS No. 6786-83-0)	N.D.	N.D.	N.D.	0.1
4,4'-bis(dimethylamino)-4''- (methylamino)trityl alcohol (CAS No.561-41-1)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
Bis(pentabromophenyl) ether (DecaBDE) (CAS No. 1163-19-5)	N.D.	N.D.	N.D.	0.1
Pentacosafuorotridecanoic acid (CAS No. 72629-94-8)	N.D.	N.D.	N.D.	0.1
Tricosafuorododecanoic acid (CAS No.307-55-1)	N.D.	N.D.	N.D.	0.1
Henicosafuoroundecanoic acid (CAS No.2058-94-8)	N.D.	N.D.	N.D.	0.1
Heptacosafuorotetradecanoic acid (CAS No.376-06-7)	N.D.	N.D.	N.D.	0.1
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	N.D.	N.D.	N.D.	0.1
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 c	N.D.	N.D.	N.D.	0.1
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (CAS No.123-77-3)	N.D.	N.D.	N.D.	0.1
Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) (CAS No.85-42-7, 132149-00-3, 14166-21-3)	N.D.	N.D.	N.D.	0.1
Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride (CAS No.25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9)	N.D.	N.D.	N.D.	0.1
Methoxy acetic acid (CAS No.625-45-6)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (CAS No.84777-06-0)	N.D.	N.D.	N.D.	0.1
Diisopentylphthalate (DIPP) (CAS No.605-50-5)	N.D.	N.D.	N.D.	0.1
N-pentyl-isopentylphthalate (CAS No.776297-69-9)	N.D.	N.D.	N.D.	0.1
1,2-Diethoxyethane (CAS No. 629-14-1)	N.D.	N.D.	N.D.	0.1
N,N-dimethylformamide; dimethyl formamide(CAS No. 68-12-2)	N.D.	N.D.	N.D.	0.1
Dibutyltin dichloride (DBT) (CAS No. 683-18-1)	N.D.	N.D.	N.D.	0.1
* Acetic acid, lead salt, basic (CAS No.51404-69-4)	N.D.	N.D.	N.D.	0.1
*Lead oxide sulfate (basic lead sulfate) (CAS No.1319-46-6)	N.D.	N.D.	N.D.	0.1
*Lead oxide sulfate (basic lead sulfate)(CAS No.12036-76-9)	N.D.	N.D.	N.D.	0.1
*[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) (CAS No.69011-06-9)	N.D.	N.D.	N.D.	0.1
*Dioxobis(stearato)trilead (CAS No.12578-12-0)	N.D.	N.D.	N.D.	0.1
*Fatty acids, C16-18, lead salts (CAS No.91031-62-8)	N.D.	N.D.	N.D.	0.1
*Lead bis(tetrafluoroborate) (CAS No.13814-96-5)	N.D.	N.D.	N.D.	0.1
*Lead cyanidate (CAS No.20837-86-9)	N.D.	N.D.	N.D.	0.1
*Lead dinitrate (CAS No.10099-74-8)	N.D.	N.D.	N.D.	0.1
*Lead oxide (lead monoxide) (CAS No.1317-36-8)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
*Lead tetroxide (orange lead) (CAS No.1314-41-6)	N.D.	N.D.	N.D.	0.1
*Lead titanium trioxide (CAS No.12060-00-3)	N.D.	N.D.	N.D.	0.1
* Lead Titanium Zirconium Oxide (CAS No.12626-81-2)	N.D.	N.D.	N.D.	0.1
*Pentalead tetraoxide sulphate (CAS No.12065-90-6)	N.D.	N.D.	N.D.	0.1
*Pyrochlore, antimony lead yellow (CAS No.8012-00-8)	N.D.	N.D.	N.D.	0.1
*Silicic acid, barium salt, lead-doped(CAS No.68784-75-8)	0.004	N.D.	0.055	0.1
*Silicic acid, lead salt (CAS No.11120-22-2)	N.D.	N.D.	N.D.	0.1
*Sulfurous acid, lead salt, dibasic (CAS No.62229-08-7)	N.D.	N.D.	N.D.	0.1
*Tetraethyllead (CAS No.78-00-2)	N.D.	N.D.	N.D.	0.1
*Tetralead trioxide sulphate (CAS No.12202-17-4)	N.D.	N.D.	N.D.	0.1
*Trilead dioxide phosphonate (CAS No.12141-20-7)	N.D.	N.D.	N.D.	0.1
Furan (CAS No.110-00-9)	N.D.	N.D.	N.D.	0.1
Propylene oxide; 1,2-epoxypropane; methyloxirane (CAS No.75-56-9)	N.D.	N.D.	N.D.	0.1
Diethyl sulphate (CAS No.64-67-5)	N.D.	N.D.	N.D.	0.1
sulphate (CAS No.77-78-1)	N.D.	N.D.	N.D.	0.1
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine(CAS No.143860-04-2)	N.D.	N.D.	N.D.	0.1
Dinoseb (CAS No.88-85-7)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
4,4'-methylenedi-o-toluidine (CAS No.838-88-0)	N.D.	N.D.	N.D.	0.1
4,4'-oxydianiline and its salts (CAS No.101-80-4)	N.D.	N.D.	N.D.	0.1
Phenylazoaniline(CAS No.60-09-3)	N.D.	N.D.	N.D.	0.1
4-methyl-m-phenylenediamine (2,4-toluene-diamine)(CAS No.95-80-7)	N.D.	N.D.	N.D.	0.1
6-methoxy-m-toluidine (p-cresidine) (CAS No.120-71-8)	N.D.	N.D.	N.D.	0.1
Biphenyl-4-ylamine (CAS No.92-67-1)	N.D.	N.D.	N.D.	0.1
o-aminoazotoluene (CAS No.97-56-3)	N.D.	N.D.	N.D.	0.1
o-Toluidine; 2-Aminotoluene (CAS No.95-53-4)	N.D.	N.D.	N.D.	0.1
N-methylacetamide (CAS No.79-16-3)	N.D.	N.D.	N.D.	0.1
1-bromopropane; n-propyl bromide (CAS No.106-94-5)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
Cadmium (CAS No.7440-43-9)	N.D.	N.D.	N.D.	0.1
*Cadmium oxide (CAS No.1306-19-0)	N.D.	N.D.	N.D.	0.1
Pentadecafluorooctanoic acid (PFOA)(CAS No.335-67-1)	N.D.	N.D.	N.D.	0.1
Ammoniumpentadecafluorootanoate (APFO)(CAS No.3825-26-1)	N.D.	N.D.	N.D.	0.1
Dipentyl phthalate (DPP)(CAS No.131-18-0)	N.D.	N.D.	N.D.	0.1
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]	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
*Cadmium sulphide (CAS No.1306-23-6)	N.D.	N.D.	N.D.	0.1
*Lead di(acetate) (CAS No.301-04-2)	N.D.	N.D.	N.D.	0.1
Dihexyl phthalate (CAS No.84-75-3)	N.D.	N.D.	N.D.	0.1
Trixylyl phosphate (CAS No.25155-23-1)	N.D.	N.D.	N.D.	0.1
Imidazolidine-2-thione; 2-imidazoline-2-thiol (CAS No.96-45-7)	N.D.	N.D.	N.D.	0.1
Disodium 3,3'-[[1,1'-biphenyl]-4,4'- diylbis(azo)]bis(4-aminonaphthalene-1- sulphonate) (C.I.lene-1-sulphonate) (C.I.Direct Red 28)(CAS No.573-58-0)	N.D.	N.D.	N.D.	0.1
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) (CAS No.1937-37-7)	N.D.	N.D.	N.D.	0.1
*Cadmium chloride (CAS No.10108-64-2)	N.D.	N.D.	N.D.	0.1
*Sodium perborate; perboric acid, sodium salt(3H ₂ O)	N.D.	N.D.	N.D.	0.1
*Sodium perborate; perboric acid, sodium salt(4H ₂ O)	N.D.	N.D.	N.D.	0.1
*Sodium peroxometaborate (CAS No.7632-04-4)	N.D.	N.D.	N.D.	0.1
1,2 -Benzenedicarboxylic acid, dihexyl ester, branched and linear (CAS No.68515-50-4)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	Unit :%
*Cadmium fluoride (CAS No.7790-79-6)	N.D.	N.D.	N.D.	0.1
*Cadmium sulphate (CAS No.10124-36-4 / 31119-53-6)	N.D.	N.D.	N.D.	0.1
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) (CAS No.3846-71-7)	N.D.	N.D.	N.D.	0.1
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) (CAS No.25973-55-1)	N.D.	N.D.	N.D.	0.1
*2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) (CAS No.15571-58-1)	N.D.	N.D.	N.D.	0.1
*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)	N.D.	N.D.	N.D.	0.1
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 (CAS No.68515-51-5/68648-93-1)	N.D.	N.D.	N.D.	0.1
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
1,3-propanesultone (CAS No.1120-71-4)	N.D.	N.D.	N.D.	0.1
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) (CAS No.3864-99-1)	N.D.	N.D.	N.D.	0.1
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)(CAS No.36437-37-3)	N.D.	N.D.	N.D.	0.1
Nitrobenzene (CAS No.98-95-3)	N.D.	N.D.	N.D.	0.1
Perfluorononan-1-oic-acid and its sodium and ammonium salts (CAS No.375-95-1 / 21049-39-8 / 4149-60-4)	N.D.	N.D.	N.D.	0.1
Benzo[def]chrysene (CAS No.50-32-8)	N.D.	N.D.	N.D.	0.1
4,4'-isopropylidenediphenol(bisphenol A) (CAS No.80-05-7)	N.D.	N.D.	N.D.	0.1
nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts (CAS No.3108-42-7 / 335-76-2 / 3830-45-3)	N.D.	N.D.	N.D.	0.1
p-(1,1-dimethylpropyl)phenol (CAS No.80-46-6)	N.D.	N.D.	N.D.	0.1
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]	N.D.	N.D.	N.D.	0.1
Perfluorohexane-1-sulphonic acid and its salts (PFHxS) (CAS No.355-46-4)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed Item No.	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	Unit :%
*Cadmium nitrate (CAS No.10325-94-7)	N.D.	N.D.	N.D.	0.1
*Cadmium hydroxide (CAS No.21041-95-2)	N.D.	N.D.	N.D.	0.1
*Cadmium carbonate (CAS No.513-78-0)	N.D.	N.D.	N.D.	0.1
Chrysene (CAS No.218-01-9)	N.D.	N.D.	N.D.	0.1
Benz[a]anthracene (CAS No.56-55-3)	N.D.	N.D.	N.D.	0.1
Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof) Cadmium sulphate (CAS No.13560-89-9/135821-74-8/135821-03-3)	N.D.	N.D.	N.D.	0.1
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]	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed Item No.	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	Unit :%
Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride; TMA) (CAS No.552-30-7)	N.D.	N.D.	N.D.	0.1
Dicyclohexyl phthalate (DCHP) (CAS No.84-61-7)	N.D.	N.D.	N.D.	0.1
Benzo[ghi]perylene (CAS No.191-24-2)	N.D.	N.D.	N.D.	0.1
Octamethylcyclotetrasiloxane (D4) (CAS No.556-67-2)	N.D.	N.D.	N.D.	0.1
Decamethylcyclopentasiloxane (D5) (CAS No.541-02-6)	N.D.	N.D.	N.D.	0.1
Dodecamethylcyclohexasiloxane (D6) (CAS No.540-97-6)	N.D.	N.D.	N.D.	0.1
Ethylenediamine (CAS No.107-15-3)	N.D.	N.D.	N.D.	0.1
Terphenyl hydrogenated (CAS No.61788-32-7)	N.D.	N.D.	N.D.	0.1
Lead (CAS No.7439-92-1)	N.D.	N.D.	N.D.	0.1
*Disodium octaborate (CAS No.12008-41-2)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed Item No.	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
1,7,7-trimethyl-3-(phenylmethylene)bicyclo [2.2.1]heptan-2-one (CAS No.15087-24-8)	N.D.	N.D.	N.D.	0.1
2,2-bis(4'-hydroxyphenyl)-4-methylpentane (CAS No.6807-17-6)	N.D.	N.D.	N.D.	0.1
Benzo[k]fluoranthene (CAS No.207-08-9)	N.D.	N.D.	N.D.	0.1
Fluoranthene (CAS No.206-44-0)	N.D.	N.D.	N.D.	0.1
Phenanthrene (CAS No.85-01-8)	N.D.	N.D.	N.D.	0.1
Pyrene (CAS No.129-00-0)	N.D.	N.D.	N.D.	0.1
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	N.D.	N.D.	N.D.	0.1
2-methoxyethyl acetate (CAS No.110-49-6)	N.D.	N.D.	N.D.	0.1
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) (denoted as HFPO-DA)	N.D.	N.D.	N.D.	0.1
4-tert-butylphenol (PTBP) (CAS No.98-54-4)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed Item No.	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (CAS No.119313-12-1)	N.D.	N.D.	N.D.	0.1
2-methyl-1-(4-methylthiophenyl)-2-morpholino propan-1-one (CAS No.71868-10-5)	N.D.	N.D.	N.D.	0.1
Diisohexyl phthalate (CAS No.71850-09-4)	N.D.	N.D.	N.D.	0.1
Perfluorobutane sulfonic acid (PFBS) and its salts	N.D.	N.D.	N.D.	0.1
1-vinylimidazole (CAS No.1072-63-5)	N.D.	N.D.	N.D.	0.1
2-methylimidazole (CAS No.693-98-1)	N.D.	N.D.	N.D.	0.1
Butyl 4-hydroxybenzoate (Butylparaben) (CAS No.94-26-8)	N.D.	N.D.	N.D.	0.1
Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS No.22673-19-4)	N.D.	N.D.	N.D.	0.1
Bis(2-(2-methoxyethoxy)ethyl)ether (CAS No.143-24-8)	N.D.	N.D.	N.D.	0.1
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	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed Item No.	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	Unit :%
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	N.D.	N.D.	N.D.	0.1
orthoboric acid, sodium salt (CAS No.13840-56-7)	N.D.	N.D.	N.D.	0.1
2,3-dibromo-1-propanol (2,3-DBPA)(CAS No.96-13-9)	N.D.	N.D.	N.D.	0.1
2,2-bis(bromomethyl)propane-1,3-diol (BMP)(CAS No.3296-90-0)	N.D.	N.D.	N.D.	0.1
2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) (CAS No.36483-57-5/1522-92-5)	N.D.	N.D.	N.D.	0.1
Glutaral (CAS No.111-30-8)	N.D.	N.D.	N.D.	0.1
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	N.D.	N.D.	N.D.	0.1
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	N.D.	N.D.	N.D.	0.1
1,4-dioxane (CAS No.123-91-1)	N.D.	N.D.	N.D.	0.1
4,4'-(1-methylpropylidene)bisphenol (CAS No.77-40-7)	N.D.	N.D.	N.D.	0.1

B. Test Results

Substance Analysed Item No.	Plastic	Metal	PCBA	LIMIT
	22-09-QAC-119 -1	22-09-QAC-119 -2	22-09-QAC-119 -3	
	Unit :%	Unit :%	Unit :%	
(±)-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)	N.D.	N.D.	N.D.	0.1
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)(CAS No.119-47-1)	N.D.	N.D.	N.D.	0.1
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 (2,3-DBPA)(CAS No.255881-94-8)	N.D.	N.D.	N.D.	0.1
tris(2-methoxyethoxy)vinylsilane (CAS No.1067-53-4)	N.D.	N.D.	N.D.	0.1
N-(hydroxymethyl)acrylamide (CAS No.924-42-5)	N.D.	N.D.	N.D.	0.1

C. Sample Photo



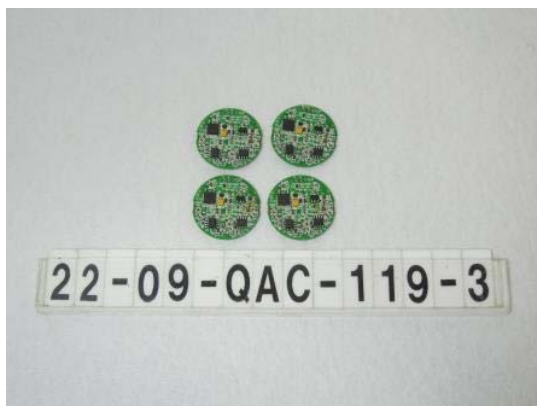
Product



test part: Plastic mixed test



test part: Metal mixed test



test part: PCBA mixed test

D. Flow Chart

