

## Test Report

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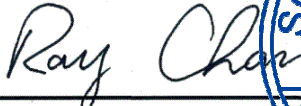
RECOM Engineering GmbH & Co KG  
TECHNOLOGIEZENTRUM SALZKAMMERGUT KROTTENSEESTRABE 45 4810 GMUNDEN  
AUSTRIA

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

Sample Description : DC/DC&AC/DC CONVERTER  
Style/Item No. : DC/DC&AC/DC CONVERTER SERIES  
Sample Receiving Date : 2013/03/22  
Testing Period : 2013/03/22 TO 2013/03/28

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

  
Ray Chang / Asst. Manager  
Signed for and on behalf of  
SGS Taiwan Limited



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RECOM Engineering GmbH & Co KG  
 TECHNOLOGIEZENTRUM SALZKAMMERGUT KROTTENSEESTRABE 45 4810 GMUNDEN  
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## Test Sample :

PART NAME No.1 : MIXED ALL PARTS:DC/DC&AC/DC CONVERTER

## Test Method :

SGS In-House method. Analyzed by ICP-AES, UV-VIS, GC/MS, GC/ECD, GC/FPD, LC/MS, LC/DAD.

## Test Result(s) (Unit: %)

Substance Name	Result	RL	Classification 【Appendix A】
	No.1		
Anthracene (CAS No.: 120-12-7)	n.d.	0.005	PBT
4,4' - Diaminodiphenylmethane (CAS No.: 101-77-9)	n.d.	0.005	CC2
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	n.d.	0.005	TRC2
BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7)	n.d.	0.005	TRC2
Bis (2-ethyl(hexyl)phthalate) (DEHP) (CAS No.: 117-81-7)	n.d.	0.005	TRC2
5-tert-butyl-2,4,6-trinitro- m-xylene (Musk Xylene) (CAS No.: 81-15-2)	n.d.	0.005	vPvB
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ - HBCDD, $\beta$ - HBCDD, $\gamma$ - HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	n.d.	0.005	PBT
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (CAS No.: 85535-84-8)	n.d.	0.01	PBT
Bis(tributyltin)oxide*** (CAS No.: 56-35-9)	n.d.	-	PBT
Cobalt dichloride (CAS No.: 7646-79-9)	n.d.	0.005	CC2; TRC2
Diarsenic pentaoxide*** (CAS No.: 1303-28-2)	n.d.	-	CC1
Diarsenic trioxide*** (CAS No.: 1327-53-3)	n.d.	-	CC1
Triethyl arsenate*** (CAS No.: 15606-95-8)	n.d.	-	CC1
Lead hydrogen arsenate*** (CAS No.: 7784-40-9) (※1)	n.d.	-	CC1; TRC1
Sodium chromate*** (CAS No.: 7775-11-3)	n.d.	-	CC2; MC2; TRC2
Ammonium dichromate*** (CAS No.: 7789-09-5)	n.d.	-	CC2; MC2; TRC2
Potassium dichromate*** (CAS No.: 7778-50-9)	n.d.	-	CC2; MC2; TRC2
Potassium chromate*** (CAS No.: 7789-00-6)	n.d.	-	CC2; MC2
Sodium dichromate*** (CAS No.: 10588-01-9, 7789-12-0(*))	n.d.	-	CC2; MC2; TRC2
Chromium trioxide*** (CAS No.: 1333-82-0)	n.d.	-	CC1; MC2

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RECOM Engineering GmbH & Co KG  
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Substance Name	Result	RL	Classification 【Appendix A】
	No.1		
Acids generated from chromium trioxide and their oligomers: Chromic acid*** (CAS No.: 7738-94-5)	n.d.	-	CC2
Acids generated from chromium trioxide and their oligomers: Dichromic acid*** (CAS No.: 13530-68-2)	n.d.	-	CC2
Acids generated from chromium trioxide and their oligomers: Oligomers of chromic acid and dichromic acid (* 1)	n.d.	-	CC2
Strontium chromate*** (CAS No.: 7789-06-2)	n.d.	-	CC2
Anthracene oil (CAS No.: 90640-80-5) (**)	n.d.	0.05	PBT; vPvB; CC2
Anthracene oil, anthracene paste, distn. Lights (CAS No.: 91995-17-4) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
Anthracene oil, anthracene paste, anthracene fraction (CAS No.: 91995-15-2) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
Anthracene oil, anthracene-low (CAS No.: 90640-82-7) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
Anthracene oil, anthracene paste (CAS No.: 90640-81-6) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
Pitch, coal tar, high-temp. (CAS No.: 65996-93-2) (**)	n.d.	0.05	PBT; vPvB; CC2
DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	n.d.	0.005	TRC2
2,4-Dinitrotoluene (CAS No.: 121-14-2)	n.d.	0.005	CC2
Tris(2-chloroethyl) phosphate (TCEP) (CAS No.: 115-96-8)	n.d.	0.005	TRC2
Lead chromate (CAS No.: 7758-97-6)	n.d.	0.01	CC2; TRC1
Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (CAS No.: 12656-85-8)	n.d.	0.01	CC2; TRC1
Lead sulfochromate yellow (C.I. Pigment Yellow 34) (CAS No.: 1344-37-2)	n.d.	0.01	CC2; TRC1
Acrylamide (CAS No.: 79-06-1)	n.d.	0.05	CC2; MC2
Boric acid*** (CAS No.: 10043-35-3; 11113-50-1)	n.d.	-	TRC2
Disodium tetraborate, anhydrous*** (CAS No.: 1303-96-4, 1330-43-4, 12179-04-3)	n.d.	-	TRC2
Tetraboron disodium heptaoxide, hydrate (CAS No.: 12267-73-1) (* 2)	n.d.	-	TRC2
Trichloroethylene (CAS No.: 79-01-6)	n.d.	0.05	CC2
Cobalt(II) sulphate*** (CAS No.: 10124-43-3)	0.0172	-	CC2; TRC2
Cobalt(II) dinitrate*** (CAS No.: 10141-05-6)	0.0203	-	CC2; TRC2
Cobalt(II) carbonate*** (CAS No.: 513-79-1)	0.0132	-	CC2; TRC2
Cobalt(II) diacetate*** (CAS No.: 71-48-7)	0.0197	-	CC2; TRC2

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RECOM Engineering GmbH & Co KG  
 TECHNOLOGIEZENTRUM SALZKAMMERGUT KROTTENSEESTRABE 45 4810 GMUNDEN  
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Substance Name	Result	RL	Classification 【Appendix A】
	No.1		
2-Methoxyethanol (CAS No.: 109-86-4)	n.d.	0.05	TRC2
2-Ethoxyethanol (CAS No.: 110-80-5)	n.d.	0.05	TRC2
2-ethoxyethyl acetate (CAS No.: 111-15-9)	n.d.	0.05	TRC2
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (CAS No.: 68515-42-4)	n.d.	0.05	TRC2
Hydrazine (CAS No.: 7803-57-8; 302-01-2)	n.d.	0.05	CC2
1-methyl-2-pyrrolidone (CAS No.: 872-50-4)	n.d.	0.05	TRC2
1,2,3-trichloropropane (CAS No.: 96-18-4)	n.d.	0.05	CC2; TRC2
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (CAS No.: 71888-89-6)	n.d.	0.05	TRC2
Arsenic acid*** (CAS No.: 7778-39-4)	n.d.	-	CC1
Calcium arsenate*** (CAS No.: 7778-44-1)	n.d.	-	CC1
Trilead diarsenate*** (CAS No.: 3687-31-8) (※1)	n.d.	-	CC1; TRC1
Lead diazide, Lead azide*** (CAS No.: 13424-46-9)	n.d.	-	TRC1
Lead styphnate*** (CAS No.: 15245-44-0)	n.d.	-	TRC1
Lead dipicrate*** (CAS No.: 6477-64-1)	n.d.	-	TRC1
Dichromium tris (chromate)*** (CAS No.: 24613-89-6)	n.d.	-	CC2
Potassium hydroxyoctaoxidizincatedi- chromate*** (CAS No.: 11103-86-9)	n.d.	-	CC1
Pentazinc chromate octahydroxide*** (CAS No.: 49663-84-5)	n.d.	-	CC1
Formaldehyde, oligomeric reaction products with aniline (technical MDA) (CAS No.: 25214-70-4)	n.d.	0.05	CC2
Bis(2-methoxyethyl) phthalate (CAS No.: 117-82-8)	n.d.	0.05	TRC2
2-Methoxyaniline; o-Anisidine (CAS No.: 90-04-0)	n.d.	0.05	CC2
4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol) (CAS No.: 140-66-9)	n.d.	0.05	Equivalent concern
1,2-Dichloroethane (CAS No.: 107-06-2)	n.d.	0.05	CC2
Bis(2-methoxyethyl) ether (CAS No.: 111-96-6)	n.d.	0.05	TRC2
N,N-dimethylacetamide (DMAC) (CAS No.: 127-19-5)	n.d.	0.05	TRC2
2,2'-dichloro- 4,4'-methylenedianiline (MOCA) (CAS No.: 101-14-4)	n.d.	0.05	CC2
Phenolphthalein (CAS No.: 77-09-8)	n.d.	0.05	CC2

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RECOM Engineering GmbH & Co KG  
 TECHNOLOGIEZENTRUM SALZKAMMERGUT KROTTENSEESTRABE 45 4810 GMUNDEN  
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Substance Name	Result	RL	Classification 【Appendix A】
	No.1		
Aluminosilicate, Refractory Ceramic Fibres 【oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges】	n.d.	0.05	CC2
Zirconia Aluminosilicate, Refractory Ceramic Fibres 【oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges】	n.d.	0.05	CC2
1,2-bis (2-methoxyethoxy) ethane (TEGDME; triglyme) (CAS No.: 112-49-2)	n.d.	0.05	TRC2
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) (CAS No.: 110-71-4)	n.d.	0.05	TRC2
Formamide (CAS No.: 75-12-7)	n.d.	0.05	TRC2
Lead(II) bis(methanesulfonate)*** (CAS No.: 17570-76-2)	n.d.	-	TRC2
TGIC (1,3,5-tris(oxiranylmethyl)- 1,3,5-triazine-2,4,6 (1H,3H,5H)-trione) (CAS No.: 2451-62-9)	n.d.	0.05	MC2
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) (※3)	n.d.	0.05	MC2
4,4'-bis (dimethylamino) benzophenone (Michler's ketone) (CAS No.: 90-94-8)	n.d.	0.05	CC2
N,N,N',N'-tetramethyl- 4,4'-methylenedianiline (Michler's base) (CAS No.: 101-61-1)	n.d.	0.05	CC2
[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) (CAS No.: 548-62-9) [with ≥ 0.1% of Michler's ketone or Michler's base]	n.d.	0.05	CC2
[4-[[4-anilino-1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) (CAS No.: 2580-56-5) [with ≥ 0.1% of Michler's ketone or Michler's base]	n.d.	0.05	CC2
α,α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) (CAS No.: 6786-83-0) [with ≥ 0.1% of Michler's ketone or Michler's base]	n.d.	0.05	CC2
Diboron trioxide*** (CAS No.: 1303-86-2)	n.d.	-	TRC2
4,4'-bis (dimethylamino)-4''-(methylamino) trityl alcohol (CAS No.: 561-41-1) [with ≥ 0.1% of Michler's ketone or Michler's base]	n.d.	0.05	CC2

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RECOM Engineering GmbH & Co KG  
 TECHNOLOGIEZENTRUM SALZKAMMERGUT KROTTENSEESTRABE 45 4810 GMUNDEN  
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Substance Name	Result	RL	Classification 【Appendix A】
	No.1		
Bis(pentabromophenyl) ether (DecaBDE) (CAS No.: 1163-19-5)	n.d.	0.05	PBT
Pentacosafuorotridecanoic acid (CAS No.: 72629-94-8)	n.d.	0.05	PBT
Tricosafuorododecanoic acid (CAS No.: 307-55-1)	n.d.	0.05	PBT
Henicosafuoroundecanoic acid (CAS No.: 2058-94-8)	n.d.	0.05	PBT
Heptacosafuorotetradecanoic acid (CAS No.: 376-06-7)	n.d.	0.05	PBT
4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated- covering well-defined substances and UVCB substances, polymers and homologues	n.d.	0.05	Equivalent concern
4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	n.d.	0.05	Equivalent concern
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (CAS No.: 123-77-3)	n.d.	0.05	Equivalent concern
Cyclohexane-1,2-dicarboxylic anhydride (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) (CAS No.: 85-42-7, 13149-00-3, 14166-21-3)	n.d.	0.05	Equivalent concern
Hexahydromethylphthalic anhydride (CAS No.: 25550-51-0) Hexahydro-4-methylphthalic anhydride (CAS No.: 19438-60-9) Hexahydro-1-methylphthalic anhydride (CAS No.: 48122-14-1) Hexahydro-3-methylphthalic anhydride (CAS No.: 57110-29-9)	n.d.	0.05	Equivalent concern
Methoxy acetic acid (CAS No.: 625-45-6)	n.d.	0.05	TRC2
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (CAS No.: 84777-06-0)	n.d.	0.05	TRC2
Diisopentylphthalate (CAS No.: 605-50-5)	n.d.	0.05	TRC2
N-pentyl-isopentylphthalate (CAS No.: 776297-69-9)	n.d.	0.05	TRC2
1,2-Diethoxyethane (CAS No.: 629-14-1)	n.d.	0.05	TRC2
N,N-dimethylformamide; dimethyl formamide (CAS No.: 68-12-2)	n.d.	0.05	TRC2
Dibutyltin dichloride (DBTC) (CAS No.: 683-18-1)	n.d.	0.05	TRC2
Acetic acid, lead salt, basic*** (CAS No.: 51404-69-4)	n.d.	-	TRC1
Trilead bis(carbonate) dihydroxide (basic lead carbonate)*** (CAS No.: 1319-46-6)	n.d.	-	TRC1
Lead oxide sulfate*** (CAS No.: 12036-76-9)	n.d.	-	TRC1

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Substance Name	Result	RL	Classification 【Appendix A】
	No.1		
[Phthalato(2-)] dioxotrilead*** (CAS No.: 69011-06-9)	n.d.	-	TRC1
Dioxobis(stearato) trilead*** (CAS No.: 12578-12-0)	n.d.	-	TRC1
Fatty acids, C16-18, lead salts*** (CAS No.: 91031-62-8)	n.d.	-	TRC1
Lead cyanamidate*** (CAS No.: 20837-86-9)	n.d.	-	TRC1
Lead dinitrate*** (CAS No.: 10099-74-8)	n.d.	-	TRC1
Lead oxide (lead monoxide)*** (CAS No.: 1317-36-8)	n.d.	-	TRC1
Lead tetroxide (orange lead)*** (CAS No.: 1314-41-6)	n.d.	-	TRC1
Pentalead tetraoxide sulphate*** (CAS No.: 12065-90-6)	n.d.	-	TRC1
Silicic acid, lead salt*** (CAS No.: 11120-22-2)	n.d.	-	TRC1
Sulfurous acid, lead salt, dibasic*** (CAS No.: 62229-08-7)	n.d.	-	TRC1
Tetraethyllead*** (CAS No.: 78-00-2)	n.d.	-	TRC1
Tetralead trioxide sulphate*** (CAS No.: 12202-17-4)	n.d.	-	TRC1
Lead bis(tetrafluoroborate)*** (CAS No.: 13814-96-5)	n.d.	-	TRC1
Lead titanium trioxide*** (CAS No.: 12060-00-3)	n.d.	-	TRC1
Lead Titanium Zirconium Oxide*** (CAS No.: 12626-81-2)	n.d.	-	TRC1
Pyrochlore, antimony lead yellow*** (CAS No.: 8012-00-8)	n.d.	-	TRC1
Trilead dioxide phosphonate*** (CAS No.: 12141-20-7)	n.d.	-	TRC1
Silicic acid, barium salt, lead-doped*** (CAS No.: 68784-75-8)	n.d.	-	TRC1
Furan (CAS No.: 110-00-9)	n.d.	0.05	CC2
Propylene oxide; 1,2-epoxypropane; methyloxirane (CAS No.: 75-56-9)	n.d.	0.05	CC2; MC2
Diethyl sulphate (CAS No.: 64-67-5)	n.d.	0.05	CC2; MC2
Dimethyl sulphate (CAS No.: 77-78-1)	n.d.	0.05	CC2
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine (CAS No.: 143860-04-2)	n.d.	0.05	TRC2
Dinoseb (CAS No.: 88-85-7)	n.d.	0.05	TRC2
4,4'-methylenedi-o-toluidine (CAS No.: 838-88-0)	n.d.	0.05	CC2
4,4'-oxydianiline and its salts (CAS No.: 101-80-4)	n.d.	0.05	CC2; MC2
4-Aminoazobenzene; 4-Phenylazoaniline (CAS No.: 60-09-3)	n.d.	0.05	CC2
4-methyl-m-phenylenediamine (2,4-toluenediamine) (CAS No.: 95-80-7)	n.d.	0.05	CC2
6-methoxy-m-toluidine (p-cresidine) (CAS No.: 120-71-8)	n.d.	0.05	CC2
Biphenyl-4-ylamine (CAS No.: 92-67-1)	n.d.	0.05	CC1
o-aminoazotoluene (CAS No.: 97-56-3)	n.d.	0.05	CC2

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Substance Name	Result	RL	Classification 【Appendix A】
	No.1		
o-Toluidine; 2-Aminotoluene (CAS No.: 95-53-4)	n.d.	0.05	CC2
N-methylacetamide (CAS No.: 79-16-3)	n.d.	0.05	TRC2
1-bromopropane (CAS No.: 106-94-5)	n.d.	0.05	TRC2

**Note :**

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. n.d.= not detected = below Reporting Limit
3. RL = Reporting Limit
4. Definition of classification is listed in Appendix A of this report in accordance with 67/548/EEC and Regulation (EC) No 1907/2006.
5. " - " = Not Regulated
6. (\*): conc. of Sodium dichromate dihydrate (CAS No.: 7789-12-0) = conc. of sodium dichromate × 1.1374
7. (\*\*): The concentrations of above-mentioned mixtures are evaluated per the gained composition rate between the selected marks and the mixtures.
8. (\* 1): Oligomers of chromic acid and dichromic acid : since the oligomers are made of the unknown amount of chromic acid or dichromic acid that results in no fixed molecular weight, therefore the monomer of chromic acid or dichromic acid is relevant and considered.
9. (\* 2): Tetraboron disodium heptaoxide, hydrate: Only anhydrous form of disodium tetraborate is relevant and considered according to ECHA explanation (Ref no.: INC 000000032519).
10. \*\*\*: The substance was calculated by the test results of Tributyl Tin or element (Ex. Arsenic, Lead, Cr(VI), Boron, Cobalt, Barium respectively).

$$AX = A \times F$$

AX	A	F
Cobalt(II) sulphate	Cobalt	2.63
Cobalt(II) dinitrate		3.1042
Cobalt(II) carbonate		2.0183
Cobalt(II) diacetate		3.0038
Bis(tributyltin)oxide	Tributyl Tin (TBT)	1.0276
Diboron trioxide	Boron	3.2199
Boric acid		5.7195
Disodium tetraborate, anhydrous		4.6531
Disodium tetraborate, pentahydrate		6.7361
Disodium tetraborate, decahydrate		8.8191

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AX = A x F

AX	A	F
Diarsenic pentaoxide	Arsenic	1.5339
Diarsenic trioxide		1.3203
Triethyl arsenate		3.0179
Lead hydrogen arsenate		4.6332
Lead dipicrate	Lead	1.6753
Lead stypnate		3.2017
Lead diazide, Lead azide		2.1732
Trilead diarsenate		1.4056
Arsenic acid	Arsenic	1.447
Calcium arsenate		6.0025
Sodium dichromate	Hexavalent Chromium Cr(VI)	1.8946
Sodium chromate		2.6566
Ammonium dichromate		2.5192
Potassium dichromate		3.1151
Potassium chromate		2.4239
Chromium trioxide		2.8289
Chromic acid		3.7347
Dichromic acid		1.9231
Strontium chromate		2.2696
Pentazinc chromate octahydroxide		2.0963
Potassium hydroxyoctaoxodizincatedi-chromate		3.9159
Dichromium tris (chromate)		11.1345
Lead(II) bis(methanesulfonate)		4.0277
Acetic acid, lead salt, basic		2.8975
Trilead bis(carbonate) dihydroxide (basic lead carbonate)	Lead	1.9179
Lead oxide sulfate		1.367
[Phthalato(2-)] dioxotrilead		1.2478
Dioxobis(stearato) trilead		1.2704
		1.3155
		1.9635

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$$AX = A \times F$$

AX	A	F
Fatty acids, C16-18, lead salts	Lead	3.7362
Lead cyanamidate		1.2029
Lead dinitrate		1.5985
Lead oxide (lead monoxide)		1.0772
Lead tetroxide (orange lead)		1.103
Pentalead tetraoxide sulphate		1.1545
Silicic acid, lead salt		1.3672
Sulfurous acid, lead salt, dibasic		1.2753
Tetraethyllead		1.561
Tetralead trioxide sulphate		1.1738
Lead bis(tetrafluoroborate)		1.8379
Lead titanium trioxide		1.4627
Lead Titanium Zirconium Oxide		1.9029
Pyrochlore, antimony lead yellow		1.8579
Trilead dioxide phosphonate	1.1801	
Silicic acid, barium salt, lead-doped	Barium	1.9916

### The test result is given as:

Substance Name	Result (%)	RL (%)
	No.1	
Tributyl Tin (TBT)	n.d.	0.05
Arsenic (As) (※2)	n.d.	0.005
Lead (Pb)	n.d.	0.005
Hexavalent Chromium Cr(VI)	n.d.	0.005
Boron (B) (※2)	n.d.	0.005
Cobalt (Co)	0.00655	0.005
Barium (Ba)	0.0172	0.005

11. (※1): Regarding the compound containing arsenic and lead, lead and arsenic are tested and respectively used for the calculation of the independent concentration of the compound containing arsenic and lead. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.

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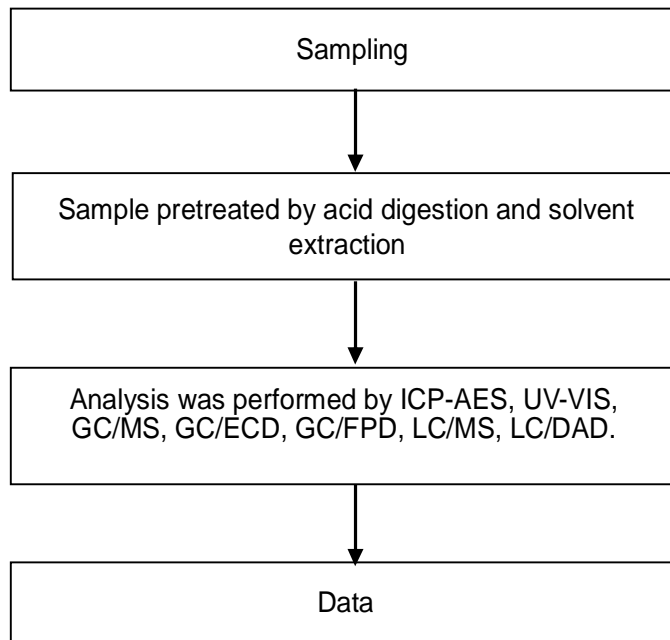
12. (※2): The extracted soluble Boron / Arsenic are detected by ICP-AES.
13. (※3): TGIC is a mixture and also contains  $\beta$ -TGIC. According to the ECHA's technical dossier the ratio of  $\beta$ -TGIC to TGIC is around 1 to 10. Therefore  $\beta$ -TGIC is issued based on the above-mentioned ratio.
14. 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.

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### Analytical flow chart of SVHC

- 1) Name of the person who made measurement: Alex Chang/Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang



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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

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## 【Appendix A】

Classification	Definition under 67/548/EEC and Regulation (EC) No 1907/2006
CC1 (Carcinogen Category 1)	Substances known to be carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.
CC2 (Carcinogen Category 2)	Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of: - appropriate long-term animal studies - other relevant information.
MC1 (Mutagen Category 1)	Substances known to be mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage.
MC2 (Mutagen Category 2)	Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of: - appropriate animal studies, - other relevant information.
TRC1 (Toxic to Reproduction Category 1)	Substances known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility. Substances known to cause developmental toxicity in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and subsequent developmental toxic effects in the progeny.
TRC2 (Toxic to Reproduction Category 2)	Substances which should be regarded as if they impair fertility in humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of: - clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same dose levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects, - other relevant information. Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of: - clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects, - other relevant information.
PBT & vPvB	Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a "safe" concentration in the environment cannot be established with sufficient reliability.

\*\* End of Report \*\*

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