Applicant: Electric Light Source Co., Ltd.
Address: Shangdang Town Dantu District Zhenjiang
Manufacturer: Electric Light Source Co., Ltd.
Address: Shangdang Town Dantu District Zhenjiang

Sample Name: NEON LAMP
Model No.: /

Date of Sample Received: January 09, 2015
Test period: January 09, 2015 to January 12, 2015
Test requested: As specified by client, In accordance with REACH Directive EC No 1907/2006, determine the one hundred and sixty-one (161) Substances of Very High Concern (SVHC) which were published by European Chemicals Agency(ECHA)content on submitted sample.
Test method: Please refer to next page.

Test result: Please refer to next page.

Conclusion: According to the specified scope and analytical technique, the concentration of one hundred and sixty-one (161) Substances of Very High Concern (SVHC) are all lower than 0.1%(W/W) on submitted sample.

Written by: Amanda **Checked by:** Ken

Approved by: Caby

ACCURATE TECHNOLOGY CO., LTD ATC APPROVED

Test Results (Unit: %):

1. The first batch of SVHC:

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results No.1
Anthracene	204-371-1	120-12-7	ZEK 01.4-08,	GC-MS	0.0002	N.D.
4,4'-Diaminodiphenylmethane	202-974-4	101-77-9	EN 14362-1:2003	GC-MS	0.003	N.D.
Dibutyl phthalate (DBP)	201-557-4	84-74-2	US EPA 3540C:1996	GC-MS	0.003	N.D.
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	US EPA 3540C:1996	GC-MS	0.003	N.D.
Bis (2-ethyl(hexyl)phthalate) (DEHP)	204-211-0	117-81-7	US EPA 3540C:1996	GC-MS	0.003	N.D.
5-tert-butyl-2,4,6-trinitro-m-xylen	201-329-4	81-15-2	US EPA 3540C:1996	GC-MS	0.005	N.D.
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	247-148-4	25637-99-4 3194-55-6 (134237-50-6 134237-51-7 134237-52-8)	US EPA 3540C:1996	GC-MS	0.005	N.D.
Short Chain Chlorinated Paraffins	287-476-5	85535-84-8	US EPA 3540C:1996	GC-MS	0.01	N.D.
Bis(tributyltin)oxide **	200-268-0	56-35-9	ISO17353:2005	GC-MS	0.005	N.D.
Cobalt dichloride **	231-589-4	7646-79-9	US EPA 3052:1996 BS EN 14582:2007	ICP-OES&IC	0.001	N.D.
Diarsenic pentaoxide **	215-116-9	1303-28-2	US EPA 3052:1996	ICP-OES	0.001	N.D.
Diarsenic trioxide **	215-481-4	1327-53-3	US EPA 3052:1996	ICP-OES	0.001	N.D.
Lead hydrogen arsenate **	232-064-2	7784-40-9	US EPA 3052:1996	ICP-OES	0.001	N.D.
Triethyl arsenate **	427-700-2	15606-95-8	US EPA 3052:1996	ICP-OES	0.001	N.D.
Sodium dichromate **	234-190-3	7789-12-0& 10588-01-9	US EPA 3060A:1996	UV-Vis	0.0002	N.D.

2. The second batch of SVHC:

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
Anthracene oil	292-602-7	90640-80-5	ATC In house method	GC-MS	0.01	N.D.
Anthracene oil, anthracene paste, distn. Lights	295-278-5	91995-17-4	ATC In house method	GC-MS	0.01	N.D.
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	ATC In house method	GC-MS	0.01	N.D.
Anthracene oil, anthracene-low	292-604-8	90640-82-7	ATC In house method	GC-MS	0.01	N.D.
Anthracene oil, anthracene paste	292-603-2	90640-81-6	ATC In house method	GC-MS	0.01	N.D.
Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	US EPA 3540C:1996	GC-MS	0.005	N.D.
2,4-Dinitrotoluene	204-450-0	121-14-2	US EPA 3540C:1996	GC-MS	0.005	N.D.
coal tar pitch, high temperature	266-028-2	65996-93-2	ATC In house method	GC-MS	0.01	N.D.
tris(2-chloroethyl)phosphate	204-118-5	115-96-8	US EPA 3540C:1996	GC-MS	0.005	N.D.
Lead sulfochromate yellow (C.I. Pigment Yellow 34) **	215-693-7	1344-37-2	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.01	N.D.
Lead chromate molybdate sulfate red (C.I. Pigment Red 104) **	235-759-9	12656-85-8	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.01	N.D.
Lead chromate**	231-846-0	7758-97-6	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.01	N.D.
Acrylamide	201-173-7	79-06-1	US EPA 3540C:1996	GC-MS	0.005	N.D.

3. The third batch of SVHC:

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
Trichloroethylene	201-167-4	79-01-6	US EPA 3540C:1996	GC-MS	0.005	N.D.
Boric acid **	233-139-2 234-343-4	10043-35-3 11113-50-1	US EPA 3052:1996	XRF& ICP-OES	0.01	N.D.
Disodium tetraborate, anhydrous **	215-540-4	1330-43-4 12179-04-3 1303-96-4	US EPA 3052:1996	XRF& ICP-OES	0.01	N.D.
Tetraboron disodium heptaoxide, hydrate **	235-541-3	12267-73-1	US EPA 3052:1996	XRF& ICP-OES	0.01	N.D.
Sodium chromate **	231-889-5	7775-11-3	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.
Potassium chromate **	232-140-5	7789-00-6	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.
Ammonium dichromate **	232-143-1	7789-09-5	US EPA 3060A:1996;	XRF& UV-Vis	0.0002	N.D.
Potassium dichromate **	231-906-6	7778-50-9	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.

4. The forth batch of SVHC:

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
Cobalt (Ⅱ) sulphate**	233-334-2	10124-43-3	US EPA 3052:1996	ICP-OES	0.0002	N.D.
Cobalt (Ⅱ) dinitrate**	233-402-1	10141-05-6	US EPA 3052:1996	ICP-OES	0.0002	N.D.
Cobalt (Ⅱ) carbonate**	208-169-4	513-79-1	US EPA 3052:1996	ICP-OES	0.0002	N.D.
Cobalt (Ⅱ) diacetate**	200-755-8	71-48-7	US EPA 3052:1996	ICP-OES	0.0002	N.D.
2-Methoxyethanol	203-713-7	109-86-4	US EPA 3540C:1996	GC-MS	0.003	N.D.
2-Ethoxyethanol	203-804-1	110-80-5	US EPA 3540C:1996	GC-MS	0.003	N.D.
Chromium trioxide**	215-607-8	1333-82-0	US EPA 3060A:1996	UV-VIS	0.0002	N.D.
Acids generated from chromium trioxide and their oligomers (Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid) **	231-801-5 236-881-5	7738-94-5 13530-68-2	US EPA 3060A:1996	UV-VIS	0.0002	N.D.

5. The fifth batch of SVHC:

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
2-ethoxyethyl acetate	203-839-2	111-15-9	US EPA 3540C:1996	GC-MS	0.003	N.D.
Strontium chromate**	232-142-6	7789-6-2	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	US EPA 3540C:1996	GC-MS	0.003	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	US EPA 3540C:1996	GC-MS	0.003	N.D.
Hydrazine	206-114-9	7803-57-8 302-01-2	US EPA 3540C:1996	GC-MS	0.003	N.D.
1-methyl-2-pyrrolidone	212-828-1	872-50-4	US EPA 3540C:1996	GC-MS	0.005	N.D.
1,2,3-trichloropropane	202-486-1	96-18-4	US EPA 3540C:1996	GC-MS	0.005	N.D.

6. The sixth batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
Lead styphnate**	239-290-0	15245-44-0	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Lead diazide;Lead azide**	236-542-1	13424-46-9	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Lead dipicrate**	229-335-2	6477-64-1	US EPA 3052:1996	XRF& ICP-OES&	0.0002	N.D.
Phenolphthalein	201-004-7	77-09-8	US EPA 3540C:1996	GC-MS	0.005	N.D.
2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	US EPA 3540C:1996	GC-MS	0.005	N.D.
N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5	US EPA 3540C:1996	GC-MS	0.005	N.D.
Trilead diarsenate**	222-979-5	3687-31-8	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Calcium arsenate**	231-904-5	7778-44-1	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.

6. The sixth batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
Arsenic acid**	231-901-9	7778-39-4	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Bis(2-methoxyethyl) ether	203-924-4	111-96-6	US EPA 3540C:1996	GC-MS	0.005	N.D.
1,2-Dichloroethane	203-458-1	107-06-2	US EPA 3540C:1996	GC-MS	0.005	N.D.
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	205-426-2	140-66-9	US EPA 3540C:1996	GC-MS	0.005	N.D.
2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	US EPA 3540C:1996	GC-MS	0.005	N.D.
Bis(2-methoxyethyl) phthalate（DMEP）	204-212-6	117-82-8	US EPA 3540C:1996	GC-MS	0.005	N.D.
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	US EPA 3540C:1996	GC-MS	0.005	N.D.
Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	---	---	US EPA 3052:1996	XRF& ICP-OES	0.01	N.D.
Aluminosilicate Refractory Ceramic Fibres (RCF)**	---	---	US EPA 3052:1996	XRF& ICP-OES	0.01	N.D.
Pentazinc chromate octahydroxide**	256-418-0	49663-84-5	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.01	N.D.
Potassium hydroxyoctaoxodi-zincatedichromate**	234-329-8	11103-86-9	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.
Dichromium tris(chromate)**	246-356-2	24613-89-6	US EPA 3060A:1996; US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.

7. The seventh batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	US EPA 3540C:1996	GC-MS	0.005	N.D.
1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	US EPA 3540C:1996	GC-MS	0.005	N.D.
Diboron trioxide**	215-125-8	1303-86-2	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Formamide	200-842-0	75-12-7	US EPA 3540C:1996	GC-MS	0.005	N.D.
Lead(II)bis(methanesulfonate)**	401-750-5	17570-76-2	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	219-514-3	2451-62-9	US EPA 3540C:1996	GC-MS	0.005	N.D.
β-TGIC(1,3,5-tris[(2S and2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	423-400-0	59653-74-6	US EPA 3540C:1996	GC-MS	0.005	N.D.
bis(dimethylamino)benzophenone(Michler's ketone)	202-027-5	90-94-8	US EPA 3540C:1996	GC-MS	0.005	N.D.
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	US EPA 3540C:1996	GC-MS	0.005	N.D.
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	US EPA 3540C:1996	GC-MS	0.005	N.D.
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5	US EPA 3540C:1996	GC-MS	0.005	N.D.
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	US EPA 3540C:1996	GC-MS	0.005	N.D.
4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	209-218-2	561-41-1	US EPA 3540C:1996	GC-MS	0.005	N.D.

8. The eighth batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results No.1
Bis(pentabromophenyl) ether (DecaBDE)	214-604-9	1163-19-5	IEC 62321:2008	GC-MS	0.003	N.D.
Pentacosafluorotridecanoic acid	276-745-2	72629-94-8	US EPA 3540C:1996	GC-MS	0.005	N.D.
Tricosafluorododecanoic acid	206-203-2	307-55-1	US EPA 3540C:1996	GC-MS	0.005	N.D.
Henicosafluoroundecanoic acid	218-165-4	2058-94-8	US EPA 3540C:1996	GC-MS	0.005	N.D.
Heptacosafluorotetradecanoic acid	206-803-4	376-06-7	US EPA 3540C:1996	GC-MS	0.005	N.D.
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	/	/	US EPA 3540C:1996	GC-MS	0.005	N.D.
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	/	/	US EPA 3540C:1996	GC-MS	0.005	N.D.
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	US EPA 3540C:1996	GC-MS	0.005	N.D.
Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	201-604-9	85-42-7	US EPA 3540C:1996	GC-MS	0.003	N.D.
Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	US EPA 3540C:1996	GC-MS	0.005	N.D.

8. The eighth batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results No.1
Methoxy acetic acid	210-894-6	625-45-6	US EPA 3540C:1996	GC-MS	0.003	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	US EPA 3540C:1996	GC-MS	0.003	N.D.
Diisopentylphthalate (DIPP)	210-088-4	605-50-5	US EPA 3540C:1996	GC-MS	0.003	N.D.
N-pentyl-isopentylphtalate	-	-	US EPA 3540C:1996	GC-MS	0.003	N.D.
1,2-Diethoxyethane	211-076-1	629-14-1	US EPA 3540C:1996	GC-MS	0.003	N.D.
N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	US EPA 3540C:1996	GC-MS	0.005	N.D.
Dibutyltin dichloride (DBT)	211-670-0	683-18-1	US EPA 3540C:1996	GC-MS	0.005	N.D.
Acetic acid, lead salt, basic**	257-175-3	51404-69-4	US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.
Basic lead carbonate (trilead bis(carbonate)dihydroxide) **	215-290-6	1319-46-6	US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.
Lead oxide sulfate (basic lead sulfate)**	234-853-7	12036-76-9	US EPA 3052:1996	XRF& ICP-OES& UV-Vis	0.0002	N.D.
[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)**	273-688-5	69011-06-9	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Dioxobis(stearato)trilead**	235-702-8	12578-12-0	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Fatty acids, C16-18, lead salts**	292-966-7	91031-62-8	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Lead bis(tetrafluoroborate)**	237-486-0	13814-96-5	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Lead cynamidate**	244-073-9	20837-86-9	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Lead dinitrate**	233-245-9	10099-74-8	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Lead oxide (lead monoxide)**	215-267-0	1317-36-8	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Lead tetroxide (orange lead)**	215-235-6	1314-41-6	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Lead titanium trioxide**	235-038-9	12060-00-3	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.

8. The eighth batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results No.1
Lead Titanium Zirconium Oxide**	235-727-4	12626-81-2	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Pentalead tetraoxide sulphate**	235-067-7	12065-90-6	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Pyrochlore, antimony lead yellow**	232-382-1	8012-00-8	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Silicic acid, barium salt, lead-doped**	272-271-5	68784-75-8	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Silicic acid, lead salt**	234-363-3	11120-22-2	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Sulfurous acid, lead salt, dibasic**	263-467-1	62229-08-7	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Tetraethyllead**	201-075-4	78-00-2	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Tetralead trioxide sulphate**	235-380-9	12202-17-4	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Trilead dioxide phosphonate**	235-252-2	12141-20-7	US EPA 3052:1996	XRF& ICP-OES	0.0002	N.D.
Furan	203-727-3	110-00-9	US EPA 3540C:1996	GC-MS	0.005	N.D.
Propylene oxide; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9	US EPA 3540C:1996	GC-MS	0.005	N.D.
Diethyl sulphate	200-589-6	64-67-5	US EPA 3540C:1996	GC-MS	0.005	N.D.
Dimethyl sulphate	201-058-1	77-78-1	US EPA 3540C:1996	GC-MS	0.005	N.D.
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	US EPA 3540C:1996	GC-MS	0.005	N.D.
Dinoseb	201-861-7	88-85-7	US EPA 3540C:1996	GC-MS	0.005	N.D.
4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	EN14362-1:2012	GC-MS	0.002	N.D.
4,4'-oxydianiline and its salts	202-977-0	101-80-4	EN14362-1:2012	GC-MS	0.002	N.D.
4-Aminoazobenzene; 4-Phenylazoaniline	200-453-6	60-09-3	EN14362-1:2012	GC-MS	0.002	N.D.
4-methyl-m-phenylenediamine (2,4-toluene-diamine)	202-453-1	95-80-7	EN14362-1:2012	GC-MS	0.002	N.D.

8. The eighth batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	EN14362-1:2012	GC-MS	0.002	N.D.
Biphenyl-4-ylamine	202-177-1	92-67-1	EN14362-3:2012	GC-MS	0.002	N.D.
o-aminoazotoluene	202-591-2	97-56-3	EN14362-1:2012	GC-MS	0.002	N.D.
o-Toluidine; 2-Aminotoluene	202-429-0	95-53-4	EN14362-1:2012	GC-MS	0.002	N.D.
N-methylacetamide	201-182-6	79-16-3	US EPA 3540C:1996	GC-MS	0.005	N.D.
1-bromopropane; n-propyl bromide	203-445-0	106-94-5	US EPA 3540C:1996	GC-MS	0.005	N.D.

9. The ninth batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
Cadmium**	231-152-8	7440-43-9	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.
Cadmium oxide**	215-146-2	1306-19-0	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.
Dipentyl phthalate (DPP)	205-017-9	131-18-0	US EPA 3540C:1996	GC-MS	0.005	N.D.
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]	-	-	US EPA 3540C:1996	GC-MS	0.005	N.D.
Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	US EPA 3540C:1996	GC-MS	0.005	N.D.
Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	US EPA 3540C:1996	GC-MS	0.005	N.D.

10. The tenth batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results No.1
Cadmium sulfide **	215-147-8	1306-23-6	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.
Di-n-hexylphthalate (DNHP)	201-559-5	84-75-3	US EPA 3540C:1996	GC-MS	0.005	N.D.
CI Direct red 28	209-358-4	573-58-0	US EPA 3540C:1996	GC-MS	0.005	N.D.
CI Direct black 38	217-710-3	1937-37-7	US EPA 3540C:1996	GC-MS	0.005	N.D.
Ethylene thiourea	202-506-9	96-45-7	US EPA 3540C:1996	GC-MS	0.005	N.D.
Lead acetate **	206-104-4	301-04-2	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.
Phosphoric acid three (dimethylbenzene)	246-677-8	25155-23-1	US EPA 3540C:1996	GC-MS	0.005	N.D.

11. The eleven batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results No.1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	US EPA 3540C:1996	GC-MS	0.005	N.D.
Cadmium chloride**	233-296-7	10108-64-2	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.
Sodium perborate**; perboric acid, sodium salt**	239-172-9; 234-390-0	-	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.
Sodium peroxometaborate**	231-556-4	7632-04-4	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.

12. The twelve batch of SVHC

Test Items	EC No.	CAS No.	Pretreatment Method	Measuring Instrument	MDL	Results
						No.1
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	US EPA 3540C:1996	GC-MS	0.005	N.D.
2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)	223-346-6	3846-71-7	US EPA 3540C:1996	GC-MS	0.005	N.D.
Cadmium fluoride**	232-222-0	7790-79-6	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.
Cadmium sulphate**	233-331-6	10124-36-4; 31119-53-6	US EPA3050B:1996	XRF& ICP-OES	0.0002	N.D.
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	239-622-4	15571-58-1	US EPA 3540C:1996	GC-MS	0.005	N.D.
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)	-	-	US EPA 3540C:1996	GC-MS	0.005	N.D.

Test Part Description:

No.1: The whole product (mixture test)

Note:

(1) mg/kg=ppm=0.0001%;

(2) N.D.=Not Detected(<MDL);

(3) MDL=Method Detection Limit;

(4) ** : The substance is calculated by the test results of TributylTin or element (Ex.Arsenic, Lead, Cobalt, Hexavalent chromium, Silicon, Aluminium, Zirconium, Chromium, Molybdenum, Boron, Potassium, Sodium , Strontium, Barium, Cadmium, Zinc, Calcium, Titanium). The MDL is evaluated for TributylTin or element (Ex.Arsenic, Lead, Cobalt, Hexavalent chromium, Silicon, Aluminium, Zirconium, Chromium, Molybdenum, Boron, Potassium, Sodium , Strontium, Barium, Cadmium, Zinc, Calcium, Titanium);

(5) (a) The chemical analysis of 161 SVHC is performed by means of currently available analytical Techniques against the list published by ECHA, and shall refer to http://echa.europa.eu/home_en.asp. This list is under evaluation by ECHA and may subject to change in the future;

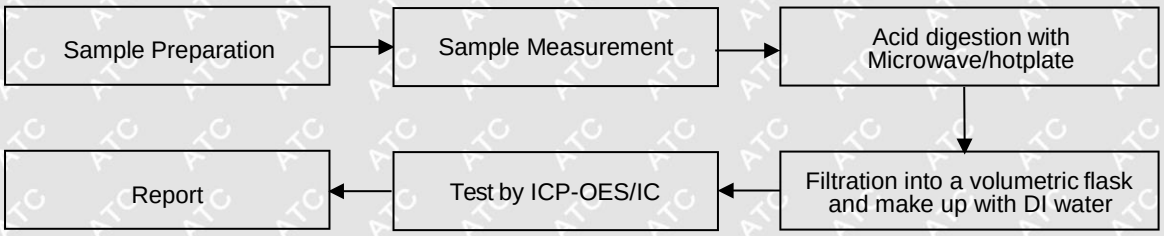
(b) In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (ⅰ) the substance is present 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);

(c) 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.

Operation Flow Chart:

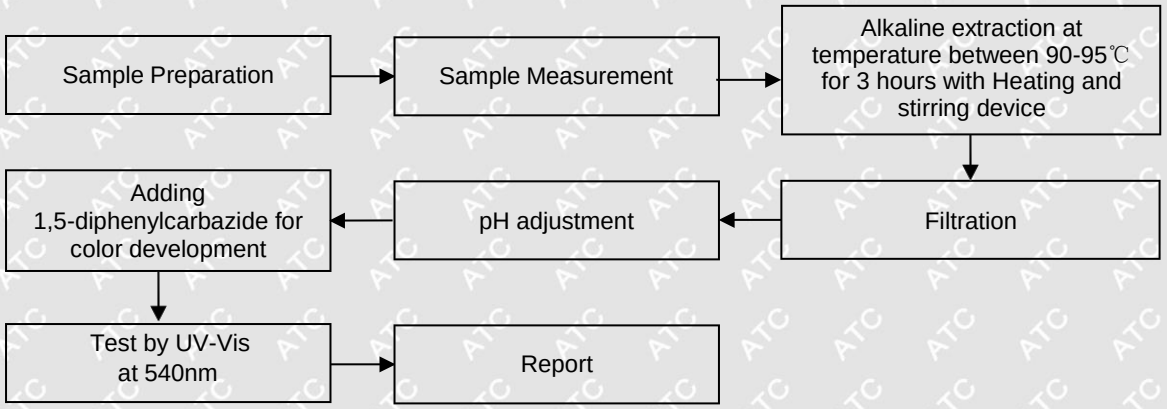
1. Determination of Cobalt dichloride/Diarsenic pentaoxide/Diarsenic trioxide/Lead hydrogen arsenate/Triethyl arsenate/ Aluminosilicate/ Zirconia Aluminosilicate/ Lead sulfochromate yellow / Lead chromate molybdate sulfate red / Lead chromate/Boric acid/ Disodium tetraborate,anhydrous/ Tetraboron disodium heptaoxide,hydrate/ Sodium chromate/ Potassium chromate/ Potassium/ Cobalt (Ⅱ) suLead styphnate/Lead diazide, lphate/Cobalt (Ⅱ) dinitrate/Cobalt (Ⅱ) carbonate/Cobalt (Ⅱ) diacetate/Cobalt/ Lead azide/Lead dipicrate/Trilead diarsenate, Calcium arsenate/ Arsenic acid, Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)/Aluminosilicate/Refractory /Ceramic Fibres (RCF)/Pentazinc chromate octahydroxide/Potassium hydroxyoctaoxodi- zincatedichromate/Dichromium tris(chromate)/dichloride/strontium chromate/ Lead(II)bis(methanesulfonate)/ Diboron trioxide/Acetic acid, lead salt, basic/Basic lead carbonate (trilead bis(carbonate)dihydroxide)/Lead oxide sulfate (basic lead sulfate)/[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)/Dioxobis(stearato)trilead/Fatty acids, C16-18, lead salts/Lead bis(tetrafluoroborate)/Lead cynamidate/Lead dinitrate/Lead oxide (lead monoxide)/Lead tetroxide (orange lead)/Lead titanium trioxide/Lead Titanium Zirconium Oxide/Pentalead tetraoxide sulphate/Pyrochlore, antimony lead yellow/Silicic acid, barium salt, lead-doped/Silicic acid, lead salt/Sulfurous acid, lead salt, dibasic/Tetraethyllead/Tetralead trioxide sulphate/Trilead dioxide phosphonate/Cadmium/Cadmium oxide/Cadmium sulfide/Lead acetate/ Cadmium chloride/Sodium perborate/perboric acid, sodium salt/Sodium peroxometaborate/Cadmium fluoride/Cadmium sulphate:

Tested by: MK



2. Determination of Sodium dichromate/ Lead sulfochromate yellow / Lead chromate molybdate sulfate red / Lead chromate/ Sodium chromate/ Potassium chromate/ Ammonium dichromate/ Potassium/ Chromium trioxide/Acids generated from chromium trioxide and their oligomers (Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid)/strontium chromate/Pentazinc chromate octahydroxide /Potassium hydroxyoctaoxodi- zincatedichromate, Dichromium tris(chromate):

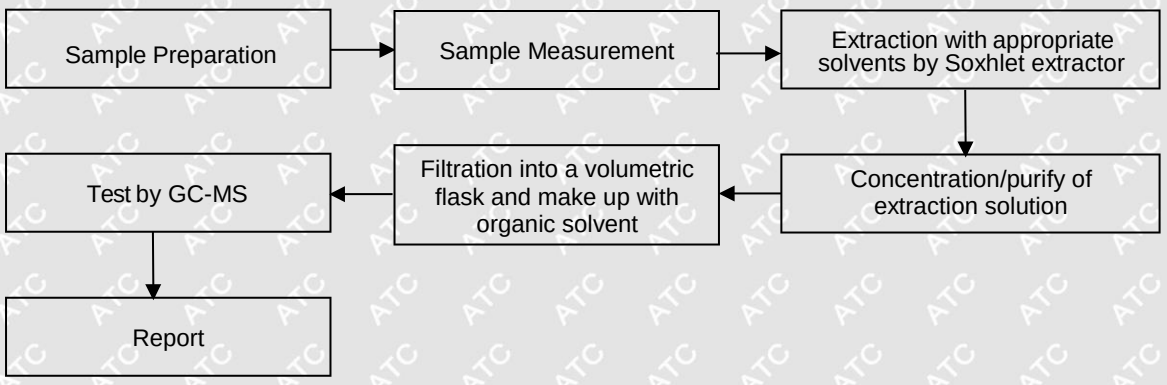
Tested by: Suki



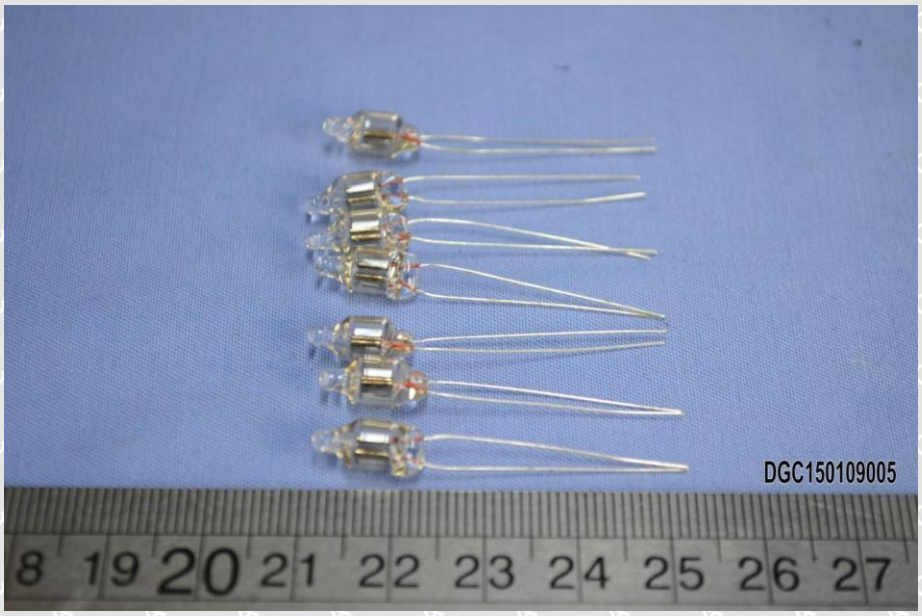
3.Determination of Anthracene/ 4,4'- Diaminodiphenylmethane/ musk xylene/ HBCDD/Short Chain Chlorinated Paraffins/ Bis(tributyltin)oxide/ Benzyl butyl phthalate/ Dibutyl phthalate / Bis(2-ethylhexyl)phthalate (DEHP)/ Anthracene oil/Anthracene oil/ Diisobutyl phthalate/ 2,4-Dinitrotoluene/ Coal tar pitch/ Tris(2-chloroethyl)phosphate/ Acrylamide/Trichloroethylene/2-Methoxyethanol/2-Ethoxyethanol/ 2-ethoxyethyl acetate/1,2-Benzenedicarboxylic acid,/di-C7-11-branched and linear alkyl esters/1,2-Benzenedicarboxylic acid/di-C6-8-branched alkyl esters/C7-rich/1-methyl-2-pyrrolidone/ Hydrazine/1,2,3-trichloropropane/Phenolphthalein/2,2'-dichloro-4,4'-methylenedianiline,N,N-dimethylacetamide (DMAC)/Bis(2-methoxyethyl) ether,1,2-Dichloroethane/4-(1,1,3,3-tetramethylbutyl)phenol/(4-tert-Octylphenol), 2-Methoxyaniline/o-Anisidine, Bis(2-methoxyethyl) phthalate(DMEP)/Formaldehyde/oligomeric reaction products with aniline(technical MDA)/ 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)/2-dimethoxyethane;ethylene glycol dimethylether (EGDME)/ Formamide/ TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)/ β-TGIC(1,3,5-tris[(2S-and2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)/ bis(dimethylamino)benzophenone(Michler's ketone)/ N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)/ 4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)/ 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol/ [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride- (C.I. Basic Blue 26)/ α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)/Bis(pentabromophenyl) ether (DecaBDE)/Pentacosafluorotridecanoic acid/Tricosafluorododecanoic acid/Henicosafluoroundecanoic acid/Heptacosafluorotetradecanoic acid/4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues/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/Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))/Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)

Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride/Methoxy acetic acid/1,2-Benzenedicarboxylic acid, dipentylester, branched and linear/Diisopentylphthalate (DIPP)/N-pentyl-isopentylphtalate/1,2-Diethoxyethane/N,N-dimethylformamide; dimethyl formamide/Furan/ Propylene oxide; 1,2-epoxypropane; methyloxirane/Diethyl sulphate/Dimethyl sulphate/3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine/Dinoseb/4,4'-methylenedi-o-toluidine/4,4'-oxydianiline and its salts/4-Aminoazobenzene; 4-Phenylazoaniline/4-methyl-m-phenylenediamine (2,4-toluene-diamine)/6-methoxy-m-toluidine(p-cresidine)/Biphenyl-4-ylamine/o-aminoazotoluene/o-Toluidine; 2-Aminotoluene/N-methylacetamide/1-bromopropane; n-propyl bromide/Dibutyltin dichloride (DBT)/ Dipentyl phthalate (DPP)/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]/ Ammonium pentadecafluorooctanoate (APFO)/Pentadecafluorooctanoic acid (PFOA)/Di-n-hexylphthalate(DNHP)/CI Direct red 28/CI Direct black 38/Ethylene thiourea/Phosphoric acid three (dimethylbenzene) esters/1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear/2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)/2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)/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):

Tested by: lin



Photograph of Sample:



End of Report