



Test Report No. 70.405.15.9237.01

Dated 2015-04-09

ORIGINAL

Applicant: SOYANG Technical Textile (zhejiang)Co.,ltd
 No. 36 Jinniu Road, Jianshan District, Haining City, Zhejiang PR.China

Attn: Xu Tianwen

Order No.: -
 Style No.: -
 Season: -
 Manufacturer: SOYANG Technical Textile (zhejiang)Co.,ltd
 Buyer: -
 Country of Origin: CHINA
 Goods Export to: EUROPE, NORTH AMERICA


Care Label Provided: -

Receipt Date of Sample: Received on 2015-03-31
 Date of Testing: From 2015-03-31 to 2015-04-08

Sample submitted: The sample(s) was (were) submitted by applicant and identified.

Test Result: Refer to next page.

Description of the test subject:

Sample	Description	Photo
001	100% polyester dye-sublimation printable textile in white for flag, soft sign & Display system, light box fabric	

**TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
 Testing Center**

Prepared by:

Michelle Weng
Report Specialist

Authorized by:

Elyn Yao
Operation Manager

Note: (1) General Terms & Conditions as mentioned overleaf,(2)The results relate only to the items tested,(3)The test report shall not be reproduced except in full without the written approval of the laboratory. (4) Samples are tested as received. (5) The report covers material testing on specified samples. (6) The tested materials covered by the report were declared by the manufacturer to be used on the models listed in the annex of the report.

Laboratory:
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Conclusion:

Test Items		001
1	SVHC 161	Pass

Remark: Pass = Meet General Requirement
 Fail = Below General Requirement
 * = No Specified Requirement

Test Results

- 1 Analysis of the 161 substances of very high concern (SVHC) on the Candidate List for authorization, concerning Regulation (EC) No. 1907/2006 as published on the European Chemicals Agency (ECHA) website in October 2008, January 2010, March 2010, June 2010, December 2010, June 2011, December 2011, June 2012, December 2012, June 2013, December 2013, June 2014 and December 2015.

Analysis based on LCMS, GCMS, Headspace-GCMS, ICP-OES/AAS, UV-VIS and XRF

Parameters	Result	General Requirement
	[% by Weight]	
	001	
161 substances of very high concern	<0.1	<0.1% (w/w)

- Note: 1. "<" denotes less than
 2. Appendix I for each substance list





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Appendix I

No.	Substance Name	CAS	No.	Substance Name	CAS
1	Anthracene	120-12-7	28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)**	1344-37-2
2	4,4'- Diaminodiphenylmethane	101-77-9	29	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8
3	Dibutyl phthalate (DBP)	84-74-2	30	Acrylamide	79-06-1
4	Cobalt dichloride **	7646-79-9	31	Trichloroethylene	79-01-6
5	Diarsenic pentaoxide***	1303-28-2	32	Boric Acid***	10043-35-3 11113-50-1
6	Diarsenic trioxide ***	1327-53-3	33	Disodium tetraborate, anhydrous***	1330-43-4 12179-04-3
7	Sodium dichromate **	7789-12-0 10588-01-9	34	Tetraboron disodium heptaoxide, hydrate***	12267-73-1
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	35	Sodium chromate**	7775-11-3
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	36	Potassium chromate**	7789-00-6
10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	37	Ammonium dichromate**	7789-09-5
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	38	Potassium dichromate**	7778-50-9
12	Bis(tributyltin)oxide,(TBTO)	56-35-9	39	Cobalt(II) sulphate **	10124-43-3
13	Lead hydrogen arsenate **	7784-40-9	40	Cobalt(II) dinitrate **	10141-05-6
14	Benzyl butyl phthalate (BBP)	85-68-7	41	Cobalt(II) carbonate**	513-79-1
15	Triethyl arsenate ***	15606-95-8	42	Cobalt(II) diacetate**	71-48-7
16	Anthracene oil ^{##}	90640-80-5	43	2-Methoxyethanol	109-86-4
17	Anthracene oil, anthracene paste, distn. Lights ^{##}	91995-17-4	44	2-Ethoxyethanol	110-80-5
18	Anthracene oil, anthracene paste, anthracene fraction ^{##}	91995-15-2	45	Chromium trioxide**	1333-82-0
19	Anthracene oil, anthracene-low ^{##}	90640-82-7	46	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 -
20	Anthracene oil, anthracene paste ^{##}	90640-81-6	47	2-Ethoxyethyl acetate (2-EEA)	111-15-9
21	Pitch, coal tar, high temp. ^{##}	65996-93-2	48	Strontium chromate**	7789-06-2
22	Aluminosilicate Refractory Ceramic Fibres**	-	49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4
23	Zirconia Aluminosilicate, Refractory Ceramic Fibres**	-	50	Hydrazine	7803-57-8, 302-01-2
24	2,4-Dinitrotoluene	121-14-2	51	1-Methyl-2-pyrrolidone	872-50-4
25	Diisobutyl phthalate	84-69-5	52	1,2,3-Trichloropropane	96-18-4
26	Lead chromate**	7758-97-6	53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6
27	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)**	12656-85-8			



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No.	Substance Name	CAS	No.	Substance Name	CAS
54	1,2-Dichloroethane	107-06-2	75	Formamide	75-12-7
55	2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	76	Lead(II) bis(methanesulfonate)**	17570-76-2
56	2-Methoxyaniline, o-Anisidine	90-04-0	77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	2451-62-9
57	4-(1,1,3,3-Tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6
58	Arsenic acid***	7778-39-4	79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8
59	Bis(2-methoxyethyl) ether	111-96-6	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1
60	Bis(2-methoxyethyl) phthalate	117-82-8	81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [#]	2580-56-5
61	Calcium arsenate**	7778-44-1	82	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [#]	548-62-9
62	Dichromium tris(chromate)**	24613-89-6	83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [#]	561-41-1
63	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	84	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [#]	6786-83-0
64	Lead diazide**	13424-46-9	85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5
65	Lead dipicrate**	6477-64-1	86	Pentacosafuorotridecanoic acid	72629-94-8
66	Lead styphnate**	15245-44-0	87	Tricosafuorododecanoic acid	307-55-1
67	N,N-dimethylacetamide (DMAC)	127-19-5	88	Henicosafuoroundecanoic acid	2058-94-8
68	Pentazinc chromate octahydroxide**	49663-84-5	89	Heptacosafuorotetradecanoic acid	376-06-7
69	Phenolphthalein	77-09-8	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated-covering well-defined substances and UVCB substances, polymers and homologue (OPEO)	-
70	Potassium hydroxyoctaoxodizincatedichromate**	11103-86-9	91	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 (NP)	-
71	Trilead diarsenate**	3687-31-8	92	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	94	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
74	Diboron trioxide***	1303-86-2	95	Methoxy acetic acid	625-45-6

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96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	126	Dimethyl sulphate	77-78-1
97	Diisopentylphthalate (DIPP)	605-50-5	127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2
98	N-pentyl-isopentylphthalate	776297-69-9	128	Dinoseb	88-85-7
99	Lead bis(tetrafluoroborate)**	13814-96-5	129	4,4'-methylenedi-o-toluidine	838-88-0
100	Lead cyanamate**	20837-86-9	130	4,4'-oxydianiline and its salts	101-80-4
101	Lead dinitrate**	10099-74-8	131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3
102	Lead oxide(lead monoxide)**	1317-36-8	132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7
103	Lead tetroxide(orange lead)**	1314-41-6	133	6-methoxy-m-toluidine (p-cresidine)	120-71-8
104	Lead titanium trioxide**	12060-00-3	134	Biphenyl-4-ylamine	92-67-1
105	Lead Titanium Zirconium Oxide**	12626-81-2	135	o-aminoazotoluene	97-56-3
106	1,2- Diethoxyformamide	629-14-1	136	o-Toluidine; 2-Aminotoluene	95-53-4
107	N, N-dimethylformamide	68-12-2	137	N-methylacetamide	79-16-3
108	Dibutyltin dichloride (DBT)	683-18-1	138	1-bromopropane; n-propyl bromide	106-94-5
109	Acetic acid, lead salt, basic**	51404-69-4	139	Cadmium	7440-43-9
110	Basic lead carbonate(trilead bis(carbonate) dihydroxide)**	1319-46-6	140	Cadmium oxide	1306-19-0
111	Lead oxide sulfate(basic lead sulphate)**	12036-76-9	141	Dipentyl phthalate (DPP)	131-18-0
112	[Phthalato(2-)] dioxotrilead (dibasic lead phthalate)**	69011-06-9	142	N-Nonylphenol, branched and linear, ethoxylated (NPEO)	-
113	Dioxobis (stearato) trilead**	12578-12-0	143	Ammonium pentadecafluorooctanoate (APEO)	3825-26-1
114	Fatty acids, C16-18, lead salts**	91031-62-8	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1
115	Pentalead tetraoxide sulphate**	12065-90-6	145	Cadmium sulphide**	1306-23-6
116	Pyrochlore, antimony lead yellow**	8012-00-8	146	Disodium 3,3'-[1,1'-biphenyl]-4,4'-diylbis(azo))bis(4-aminonaphthalene-1-sulphonate)(C.I.Direct Red 28)	573-58-0
117	Silicic acid, barium salt, lead-doped**	68784-75-8	147	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
118	Silicic acid, lead salt**	11120-22-2	148	Dihexyl phthalate	84-75-3
119	Sulfurous acid, lead salt, dibasic**	62229-08-7	149	Imidazolidine-2-thione(2-imidazoline-2-thiol)	96-45-7
120	Tetraethyllead**	78-00-2	150	Lead di(acetate)**	301-04-2
121	Tetralead trioxide sulphate**	12202-17-4	151	Trixylyl phosphate	25155-23-1
122	Trilead dioxide phosphonate**	12141-20-7	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
123	Furan	110-00-9	153	Cadmium chloride	10108-64-2
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	154	Sodium perborate; perboric acid, sodium salt	-
125	Diethyl sulphate	64-67-5	155	Sodium peroxometaborate	7632-04-4

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No.	Substance Name	CAS	No.	Substance Name	CAS
156	Cadmium fluoride	7790-79-6	159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1
157	Cadmium sulphate	10124-36-4; 31119-53-6	160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	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-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-

Remark:	** The substances are tested in terms of its respective elements and the test result is based on the calculation of selected elements/ market(s) and to the worst-case scenario. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
	*** The test results for Boric acid & Disodium tetraborate, anhydrous & tetraboron disodium heptaoxide, hydrate (calculated as decahydrate) & Diboron trioxide are based on the calculation of the extracted soluble Boron, and the test results for Diarsenic pentoxide & Diarsenic trioxide & Triethyl arsenate & Arsenic acid are based on the calculation of the extracted soluble arsenic concentration.
	## The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents. Individual concentrations to the constituent of UVCB with an amount of <0.01% were not considered by the calculation of the sum. Calculation is based on the worst-case scenario. Due to the UVCB nature the reported values may be regarded as semi-quantitative.
	# only applicable with $\geq 0.1\%$ of Michler's ketone (CAS No. 90-94-8) or Michler's base (CAS No. 101-61-1)

-End of Test Report-