



ASSESSMENT REPORT PROPOSAL IN COMPLIANCE WITH REACH

We have been commissioned by the client to conduct REACH compliance assessment on their products (Contract No.: TR20170755). We have assessed the products including product categories, substances, SVHC (Substances of Very High Concern) as well as the results of the assessment and our proposals are described as follows.

1. Client Information

Name:	Hangzhou Coditeck Digital Co., Ltd.
Address	No.172 East Xiao Shao Road, Xiao Shan District, Hang Zhou, China.
Name of the contact person:	Mr Li
Email:	eddy@coditeck.com

2. Product Identification

Product name:	Barcode ribbon
Type/ model:	N/A
Physical appearance/colour:	Solid Black
Product type:	Article

3. Product Substances Information

3.1 Substance on its own or in mixtures

Index	Substance name	CAS No.	EC No.	Tone
N/A	N/A	N/A	N/A	N/A

3.2 Substance in article intended to be released

Index	Substance name	CAS No.	EC No.	Tone
N/A	N/A	N/A	N/A	N/A

4. Responsibilities and Obligations

4.1 Registration

4.1.1 According to Article 7(1), Chapter 2, Title I of REACH Regulation, there is no substance intended to be released under normal or reasonably foreseeable conditions of use in the scope of the registration is not required.

4.1.2 According to Article 7(1), Chapter 2, Title I of REACH Regulation, there is no substance intended to be released under normal or reasonably foreseeable conditions of use in the scope of the registration is not required.



4.2 Notification

As the concentration of the SVHC defined in Article 57 of REACH Regulation is less than 0.1% weight by weight (w/w), the obligation of notification is not required according to Article 7(2) under REACH Regulation.

Note: On 10 September 2015, European Court of Justice (ECJ) made a ruling regarding REACH Regulation that each single article rather than an assembled article is the reference for the identification of SVHC. Assembled article is the reference for SVHC testing cannot be applied to such identification and will be invalid after the ruling.

4.3 Information Communication down the Supply Chain

As the concentration of the SVHC is less than 0.1% weight by weight (w/w), the obligation of communicating information down the supply chain is not required in accordance with Article 33 of REACH Regulation.

4.4 Others

4.4.1 Authorisation

Since the manufacture of this product is based outside the EU, and the lifecycle of related substances outside EU is irrelevant with respect to REACH Regulation, there is no authorisation required for the client's product.

4.4.2 Restriction

The directive on marketing and use of dangerous substances 76/769/EEC have been repealed since 1 June 2009, and the client should follow the restriction conditions outlined in Annex XVII in REACH Regulation from then on.

As we haven't received any testing request of Restricted Substance from our client, the detail of restricted substance in the product is unknown.

5. Assessment Conclusions

According to the product information provided by the client and related REACH Regulation, we draw the conclusion that:

The products supplied by the client comply with REACH Regulation about SVHCs as it currently stands.

6. Proposal for REACH Compliance

6.1 The client should inform his downstream users that the products mentioned above comply with REACH Regulation as soon as possible.

6.2 The client should pay constant attention to the SVHCs in the candidate list and the restricted substance in the annex XVII, Also need to fulfil related obligations if necessary. This list may be updated regularly and it is important to monitor any changes to it.

6.3 The client should ensure the products are consistent with the sample provided to Chemical Inspection & Regulation Service Limited.

If you want to verify the authenticity of the report, please login the report verification system according to the operating instruction <http://www.cirs-ck.com/dvs/>. If you have any question about the report, please contact us.



Contact information:

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STATEMENT

First: Instruction for the assessment conclusion

The above assessment conclusions that we have made is based on the understanding and analysis of the }v •] P v } CE [• % CE } μ š v Z , CE P μ o š] } v v } v o Ç % % o] • This š Z •] conclusion does not apply to any enterprise or product that fails to meet the description.

As parts of REACH regulation (for example Annex XIV) are under modification, the above conclusion only applies to REACH regulation as it currently stands.

This report is only used to assist the consignor to know his own responsibility and obligation under REACH Regulation, and provide the actors in his supply chain with evidence that his products are in compliance with REACH regulation.

The consignor should study this report carefully. If there is any doubt or suggestion, please contact us and we will do our best to clarify and include any necessary amendments.

Second: Disclaimer Statement

We undertake no responsibility and no obligation to verify the authenticity of information supplied by the consignor.

The client should ensure the exported products are consistent with the sample provided to our company in u š CE] o U À v } CE • v % CE } μ š] } v % CE } • • X t v [š Z o CE • % } v • may result from differences between the sample product provided to us and the exported products.

We have completed this report with all professional competence, responsibility and reasonable due diligence, however due to the limited approach to the consignor, we do not guarantee that the content of the report is fully accurate.

Consignor should make a cautious decision to adopt the assessment conclusion of this report. We assume no liability for any loss incurred as a result of the use of the conclusion.

Third: Privacy statement and others

This report has been completed by us independently. We guarantee that we shall not disclose information in the above report to any third party (except with the express written permission of consignor). We shall assume no responsibility for any loss caused by disclosure of the report.

We suggest that before offering the report the consignor should sign a security agreement with the third party in order to keep the information of consignor and products in the report from disclosure.

Chemical Inspection & Regulation Service Limited



ANNEX1 TEST RESULTS OF SVHC (SUBSTANCE OF VERY HIGH CONCERN)

Sample Description:

Name:	Barcode ribbon
Description:	Black solid
Date of receiving sample:	2018-02-23
Date of test:	2018-02-23 ~ 2018-02-28
Test requested:	One hundred and seventy three (173) Substances of Very High Concern (SVHC) analysis SVHC lists based on the publication by European Chemical Agency (ECHA) on October 2008, 13 January 2010, 30 March 2010, 18 June 2010, 15 December 2010, 20 June 2011, 19 December 2011, 18 June 2012, December 2012, 20 June 2013, 16 December 2013, 16 June 2014, 17 December 2014, 15 June 2015, 17 December 2015, 20 June 2016 and 12 January 2017 regarding regulation (EC) No 907/2006 concerning the REACH.

1. Test parts and photos:

No.	Parts Name
1	Barcode ribbon

Remarks:

- %o CE o] v š [• CE < μ • š U15 SVHCs are quoted from test report TR20150
- %o CE o] v š [• CE < μ • š U66 SVHCs are quoted from test report TR20138
- %o CE o] v š [• CE < μ • š U62 SVHCs are quoted from test report TR20120
- %o CE o] v š [• CE < μ • š U64 SVHCs are quoted from test report TR20147
- %o CE o] v š [• CE < μ • š U69 SVHCs are quoted from test report TR20142



No.: TR20180270 Date: 2018-02-05

SamplePhoto:



1



2



2. Test results:

No.	Test Item	CAS No.	MDL	Results(mg/kg)
				1
1	Anthracene	120-12-7	100	N.D.
2	4,4'- Diaminodiphenylmethane(MDA)	101-77-9	100	N.D.
3	5-tert-butyl-2,4,6-trinitro -m-xylene(musk xylene)	81-15-2	100	N.D.
4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	2563799-4, 319455-6 (13423750-6) (13423751-7) (13423752-8)	100	N.D.
5	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	8553584-8	100	N.D.
6	Dibutyl phthalate(DBP)	84-74-2	10	N.D.
7	Bis (2ethyl(hexyl)phthalate) (DEHP)	117-81-7	10	N.D.
8	Benzyl butyl phthalate(BBP)	85-68-7	10	N.D.
9	Cobalt dichloride	7646-79-9	100	N.D.
10	Bis(tributyltin)oxide(TBTQ)	56-35-9	100	N.D.
11	Sodium dichromate	7789-12-0, 1058801-9	100	N.D.
12	Lead hydrogen arsenate	7784-40-9	100	N.D.
13	Diarsenic trioxide	1327-53-3	100	N.D.
14	Diarsenic pentoxide	1303-28-2	100	N.D.
15	Triethyl arsenate	1560695-8	100	N.D.
16	Anthracene oil	9064080-5	100	N.D.
17	Anthracene oil, anthracene paste, stn. lights	9199517-4	100	N.D.
18	Anthracene oil, anthracene paste, anthracene fraction	9199515-2	100	N.D.
19	Anthracene oil, anthracene low	9064082-7	100	N.D.
20	Anthracene oil, anthracene paste	9064081-6	100	N.D.
21	Pitch, coal tar, high temp.	6599693-2	100	N.D.
22	Acrylamide	79-06-1	100	N.D.
23	2,4-Dinitrotoluene	121-14-2	100	N.D.
24	Diisobutyl phthalate	84-69-5	10	N.D.
25	tris(2-chloroethyl)phosphate	115-96-8	100	N.D.



No.	Test Item	CAS No.	MDL	Results(mg/kg)
				1
26	Lead chromate	7758-97-6	100	N.D.
27	Lead chromate molybdate sulphate red (C.I. Pigment Red 64)	1265685-8	100	N.D.
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	134437-2	100	N.D.
29	Trichloroethylene	79-01-6	100	N.D.
30	Boric acid	1004335-3, 1111350-1	100	N.D.
31	Disodium tetraborate, anhydrous	130396-4, 133043-4, 1217904-3	100	N.D.
32	Tetraboron disodium heptaoxide, hydrate	1226773-1	100	N.D.
33	Sodium chromate	7775-11-3	100	N.D.
34	Potassium chromate	7789-00-6	100	N.D.
35	Ammonium dichromate	7789-09-5	100	N.D.
36	Potassium dichromate	7778-50-9	100	N.D.
37	Chromium trioxide	133382-0	100	N.D.
38	2-Ethoxyethanol	110-80-5	100	N.D.
39	2-Methoxyethanol	109-86-4	100	N.D.
40	Cobalt(II) diacetate	71-48-7	100	N.D.
41	Cobalt(II) carbonate	51379-1	100	N.D.
42	Cobalt dinitrate	1014105-6	100	N.D.
43	Cobalt (II) sulphate	1012443-3	100	N.D.
44	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	773894-5, 1353068-2	100	N.D.
45	2-Ethoxyethyl acetate	111-15-9	100	N.D.
46	Strontium chromate	778906-2	100	N.D.
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	6851542-4	100	N.D.
48	Hydrazine	780357-8 302-01-2	100	N.D.
49	N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone	872-50-4	100	N.D.



No.	Test Item	CAS No.	MDL	Results(mg/kg)
				1
50	1,2,3trichloropropane	96-18-4	100	N.D.
51	1, 2-Benzenedicarboxylic acid, di-C68-branched alkyl esters, 67ch (DIHP)	7188889-6	100	N.D.
52	Calcium arsenate	777844-1	100	N.D.
53	Bis(2methoxyethyl) ether	111-96-6	100	N.D.
54	Potassium hydroxyoctaoxodizincatedichromate	1110386-9	100	N.D.
55	Lead dipicrate	6477-64-1	100	N.D.
56	N,N-dimethylacetamide	127-19-5	100	N.D.
57	Arsenic acid	7778-39-4	100	N.D.
58	2-Methoxyaniline; oAnisidine	90-04-0	100	N.D.
59	Trilead diarsenate	3687-31-8	100	N.D.
60	1,2-dichloroethane	107-06-2	100	N.D.
61	Pentazinc chromate octahydroxide	4966384-5	100	N.D.
62	4-(1,1,3,3tetramethylbutyl)phenol	140-66-9	100	N.D.
63	Formaldehyde, oligomeric reaction products with aniline	2521470-4	100	N.D.
64	Bis(2methoxyethyl) phthalate	117-82-8	100	N.D.
65	Lead diazide, Lead azide	1342446-9	100	N.D.
66	Lead styphnate	1524544-0	100	N.D.
67	2,2'-dichloro-4,4'-methylenedianiline	101-144	100	N.D.
68	Phenolphthalein	77-09-8	100	N.D.
69	Dichromium tris(chromate)	2461389-6	100	N.D.
70*	Aluminosilicate Refractory Ceramic Fibres	--	100	N.D.
71*	Zirconia Aluminosilicate Refractory Ceramic Fibres	--	100	N.D.
72	1,2-bis (2methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	100	N.D.
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	100	N.D.
74	Diboron trioxide	1303-86-2	100	N.D.
75	Formamide	75-12-7	100	N.D.
76	Lead (II) bis (methanesulfonate)	17570-76-2	100	N.D.



No.	Test Item	CAS No.	MDL	Results(mg/kg)
				1
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane 2,4,6-trione (TGIC)	2451-62-9	100	N.D.
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ~TGIC)	5965374-6	100	N.D.
79	4,4'-bis (dimethylamino) benzophenone (Michler's ketone)	90-94-8	100	N.D.
80	N, N, N', N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	100	N.D.
81**	[4-[4,4'-bis (dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	100	N.D.
82**	[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	100	N.D.
83**	Bis[4(dimethylamino)phenyl]-(phenylamino)naphthalen-4-methanol (C.I. Solvent Blue 4)	6786-83-0	100	N.D.
84**	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	100	N.D.
85	Bis(pentabromophenyl) ether (decabromodiphenylether; DecaBDE)	1163-19-5	10	N.D.
86	Pentacosafuorotridecanoic acid	7262994-8	100	N.D.
87	Tricosafuorododecanoic acid	307-55-1	100	N.D.
88	Henicosafuoroundecanoic acid	2058-94-8	100	N.D.
89	Heptacosafuorotetradecanoic acid	376-06-7	100	N.D.
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	100	N.D.
91	Cyclohexane-1,2-dicarboxylic anhydride	85-42-7,	100	N.D.
	cis-cyclohexane-1,2-dicarboxylic anhydride	1314900-3,		
	trans-cyclohexane-1,2-dicarboxylic anhydride	1416621-3		
92	Hexahydromethylphthalic anhydride,	2555051-0,	100	N.D.
	Hexahydro-4-methylphthalic anhydride,	1943860-9,		
	Hexahydro-1-methylphthalic anhydride,	48122-14-1,		
	Hexahydro-3-methylphthalic anhydride	5711029-9		



No.	Test Item	CAS No.	MDL	Results(mg/kg)
				1
93	4-Nonylphenol, branched and linear	-	100	N.D.
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	100	N.D.
95	Methoxyacetic acid	625-45-6	100	N.D.
96	N,N-dimethylformamide	68-12-2	100	N.D.
97	Dibutyltin dichloride (DBTC)	683-18-1	100	N.D.
98	Lead monoxide (Lead oxide)	1317-36-8	100	N.D.
99	Orange lead (Lead tetroxide)	1314-41-6	100	N.D.
100	Lead bis(tetrafluoroborate)	13814-96-5	100	N.D.
101	Trilead bis(carbonate)dihydroxide	1319-46-6	100	N.D.
102	Lead titanium trioxide	12060-00-3	100	N.D.
103	Lead titanium zirconium oxide	12626-81-2	100	N.D.
104	Silicic acid, lead salt	11120-22-2	100	N.D.
105	Silicic acid (H ₂ SiO ₃), barium salt (1:1), lead-doped	6878-475-8	100	N.D.
106	1-bromopropane (propyl bromide)	106-94-5	100	N.D.
107	Methyloxirane (Propylene oxide)	75-56-9	100	N.D.
108	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	100	N.D.
109	Diisopentylphthalate (DIPP)	605-50-5	100	N.D.
110	N-pentylisopentylphthalate	77629-769-9	100	N.D.
111	1,2-diethoxyethane	629-14-1	100	N.D.
112	Acetic acid, lead salt, basic	51404-69-4	100	N.D.
113	Lead oxide sulfate	12036-76-9	100	N.D.
114	[Phthalato(2)]dioxotrilead	69011-06-9	100	N.D.
115	Dioxobis(stearato)trilead	12578-12-0	100	N.D.
116	Fatty acids, C16, lead salts	91031-62-8	100	N.D.
117	Lead cyanamide	20837-86-9	100	N.D.
118	Lead dinitrate	10099-74-8	100	N.D.
119	Pentalead tetraoxide sulphate	12065-90-6	100	N.D.
120	Pyrochlore, antimony lead yellow	8012-00-8	100	N.D.
121	Sulfurous acid, lead salt, dibasic	62229-08-7	100	N.D.
122	Tetraethyllead	78-00-2	100	N.D.
123	Tetralead trioxide sulphate	12202-17-4	100	N.D.



No.	Test Item	CAS No.	MDL	Results(mg/kg)
				1
124	Trilead dioxide phosphonate	1214120-7	100	N.D.
125	Furan	110-00-9	100	N.D.
126	Diethyl sulphate	64-67-5	100	N.D.
127	Dimethyl sulphate	77-78-1	100	N.D.
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazol idine	14386004-2	100	N.D.
129	Dinoseb (6secbutyl-2,4-dinitrophenol)	88-85-7	100	N.D.
130	4,4'-methylenedio-toluidine	838-88-0	100	N.D.
131	4,4'-oxydianiline and its salts	101-80-4	100	N.D.
132	4-aminoazobenzene	60-09-3	100	N.D.
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	100	N.D.
134	6-methoxy-m-toluidine (p-cresidine)	120-71-8	100	N.D.
135	Biphenyl-4-ylamine	92-67-1	100	N.D.
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	100	N.D.
137	o-toluidine	95-53-4	100	N.D.
138	N-methylacetamide	79-16-3	100	N.D.
139	Cadmium	7440-43-9	5	N.D.
140	Cadmium oxide	1306-19-0	100	N.D.
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	100	N.D.
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	100	N.D.
143	Dipentyl phthalate (DPP)	131-18-0	10	N.D.
144	4-Nonylphenol, branched and linear, ethoxylated[substances with 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]	/	100	N.D.
145	Cadmium sulphide	1306-23-6	100	N.D.
146	Dihexyl phthalate (DHXP)	84-75-3	10	N.D.



No.	Test Item	CAS No.	MDL	Results(mg/kg)
				1
147	Disodium 3,3'[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	100	N.D.
148	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	100	N.D.
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	100	N.D.
150	Lead di(acetate)	301-04-2	100	N.D.
151	Trixylyl phosphate	2515523-1	100	N.D.
152	Cadmium chloride	1010864-2	100	N.D.
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	6851550-4	10	N.D.
154	Sodium peroxometaborate	763204-4	100	N.D.
155	Sodium perborate; perboric acid, sodium salt	/	100	N.D.
156	Cadmium fluoride	7790-79-6	100	N.D.
157	Cadmium sulphate	1012436-4; 3111953-6	100	N.D.
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV320)	3846-71-7	100	N.D.
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV328)	2597355-1	100	N.D.
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	1557158-1	100	N.D.
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)	-	100	N.D.



No.	Test Item	CAS No.	MDL	Results(mg/kg)
				1
162	1, 2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1, 2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with 0.3% of dihexyl phthalate	6851551-5; 6864893-1	100	N.D.
163	5-sec-butyl-2-(2, 4-dimethylcyclohexen-1-yl)-5-methyl-1, 3-dioxane [1], 5-sec-butyl-2-(4, 6-dimethylcyclohexen-1-yl)-5-methyl-1, 3-dioxane [2] [covering any of the individual stereoisomers of [1]and[2] or any combination thereof]	-	100	N.D.
164	Nitrobenzene	98-95-3	100	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV327)	386499-1	100	N.D.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV350)	3643737-3	100	N.D.
167	1,3-propanesultone	112071-4	100	N.D.
168	Perfluorononanoic acid and its sodium and ammonium salts	375-95-1 2104939-8 414960-4	100	N.D.
169	Benzo[a]pyrene	50-32-8	100	N.D.
170	Bisphenol A (BPA)	80-05-7	100	N.D.
171	Perfluorononanoic acid and its sodium and ammonium salts	335-76-2, 310842-7, 383045-3	100	N.D.
172	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 UVG and well defined substances which include any of the individual isomers or a combination thereof]	-	100	N.D.
173	p-(1,1-Dimethylpropyl)phenol	80-46-6	100	N.D.



Remarks:

1. Test parts may be single material or a variety of materials which could be divided by physical ways. Unless otherwise noted, components of base material coating metal coating paint and/or colouring pigment were no longer divided, but tested as one whole
2. All results are applicable only to the test sample
3. Unit: mg/kg. 1000mg/kg= 1000ppm= 0.1%
4. N.D.= Not detected(<MDL), MDL= Method Detection Limits, MCM= Maximum Concentration Values
5. The substances are tested by the methods: CIRS SVHC001, CIRS SVHC002, CIRS SVHC003, CIRSTGSVHC004, CIRSTGSVHC005 and CIRSTGSVHC006 which refer to the methods listed below:
 - 1) EN 14372:2004 Child use and care articles- Cutlery and feeding utensils- Safety requirements and tests
 - 2) US EPA 8061A:1996 Phthalate Esters by Gas Chromatography with Electron Capture Detection (GC/ECD)
 - 3) US EPA 3540C:1996 Soxhlet Extraction
 - 4) US EPA 3550C:2007 Ultrasonic Extraction
 - 5) US EPA 8270D:2010 Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry
 - 6) EN 143621:2012 Textiles- Methods for determination of certain aromatic amines derived from azo colorants- Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres
 - 7) EN 143623:2012 Textiles. Methods for determination of certain aromatic amines derived from azo colorants. Part 3: Detection of the use of certain azo colorants which may release 4-aminoazobenzene
 - 8) ISO 18219:2012 Leather. Chemical tests. Determination of short chain chlorinated paraffins
 - 9) ISO 16189:2015 Footwear Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine dimethylformamide in footwear materials
 - 10) EN 713:2013+A1:2014 Safety Of Toys - Part 3: Migration Of Certain Elements Annex G: Method of analysis for organic tin
 - 11) AfPS GS 2014:01 PAHs Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the course of awarding the GS mark
 - 12) IEC 6232-6:2015 Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC/MS)
 - 13) EPA 8260B:1996 Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
 - 14) EPA 5021A:2014 Volatile Organic Compounds in Soils and Other Solid Materials Using Equilibrium Headspace Analysis
 - 15) CNS 15492:2015 Safety requirements of plastic puzzle ground mat
 - 16) ISO 17075:2007 Leather Chemical tests- Determination of chromium(VI) content
 - 17) US EPA 3060A:1996 Alkaline Digestion for Hexavalent Chromium
 - 18) US EPA 7196A:99 Chromium, Hexavalent (Colorimetric)
 - 19) ISO 3613:200 Test methods- Metallic and other inorganic coatings- Chromate conversion coatings on zinc, cadmium, aluminium, zinc alloys and zincaluminium alloys
 - 20) US EPA 3050B:1996 Acid Digestion of Sediments, Sludges and Soils
 - 21) US EPA 3051A:2007 Microwave Assisted Acid Digestion of Sediments, Sludges, Soils
 - 22) US EPA 3052:1996 Microwave Assisted Acid Digestion of Siliceous and Organic Based Matrices



- 23) US EPA 6010C:20 Inductively Coupled Plasma Atomic Emission Spectrometry
- 24) ASTM D7065:201 Standard Test Method for Determination of Nonylphenol, Bisphenol-A, p-Octylphenol, Nonylphenol Monoethoxylate and Nonylphenol Diethoxylate in Environmental Waters by Gas Chromatography Mass Spectrometry
- 25) EPA 8321B:2003 Solvent-extractable nonvolatile compounds by high performance liquid chromatography/thermospray/mass spectrometry (HPLC/TS/MS) or ultraviolet (UV) detection
- 26) GB/T 29609:2013 Rubber Determination of phenol and biphenyl
6. *: Be covered by index number 65017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures:
- (70*) Aluminosilicate Refractory Ceramic Fibres
- oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges
 - fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm)
 - alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O} + \text{K}_2\text{O} + \text{CaO} + \text{MgO} + \text{BaO}$) content less or equal to 18% by weight
- (71*) Zirconia Aluminosilicate Refractory Ceramic Fibres
- oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges
 - fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm).
 - alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O} + \text{K}_2\text{O} + \text{CaO} + \text{MgO} + \text{BaO}$) content less or equal to 18% by weight
7. ** (Items 81, 82, 83, 84) [with 0.1% of Michler's ketone (EC No. 2027-5) or Michler's base (EC No. 2029-59-2)] is identified as a substance meeting the criteria of Article 57 (a) of Regulation (EC) 1907/2006 (REACH) owing to its classification as carcinogen category 1A or 1B
8. Because it is difficult to detect the substances $\text{C}_6\text{H}_5\text{OSn}_2$, $\text{Na}_2\text{Cr}_2\text{O}_7$, PbAsO_4 , As_2O_3 , As_2O_5 , Triethyl arsenate PbCrO_4 Lead chromate molybdate sulphate red (C.I. Pigment Red 104), Lead sulphochromate yellow (C.I. Pigment Yellow 34), Triethyl arsenate, BiO_3 , $\text{Na}_2\text{B}_4\text{O}_7$, $\text{Na}_2\text{B}_4\text{O}_7 \cdot 7\text{H}_2\text{O}$, Na_2CrO_4 , K_2CrO_4 , $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$, $\text{K}_2\text{Cr}_2\text{O}_7$, CrO_3 , $\text{Co}(\text{C}_5\text{H}_7\text{COO})_2$, CoCO_3 , $\text{Co}(\text{NO}_2)_2$, CoSO_4 , SrCrO_4 , Calcium arsenate, Potassium hydroxyoctaoxodizincatedichromate, Lead dipicrate, Arsenic acid, Trilead arsenate, Pentazine chromate octahydroxide, Lead diazide, Lead azide, Lead styphnate, Diboron trioxide, Lead (II) bis(methanesulfonate), Aluminosilicate Refractory Ceramic Fibres, Zirconia Aluminosilicate, Refractory Ceramic Fibres, Dichromium tris(chromate) chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid Dibutyltin dichloride (DBTC), Lead monoxide (Lead oxide), Orange lead (Lead tetroxide), Lead bis(tetrafluoroborate), Trilead bis(carbonate) dihydroxide, Lead titanium trioxide, Titanium zirconium oxide, Silicic acid, lead salt, (Silicic acid), barium salt (1:1), leadoped), (Acetic acid, lead salt, basic), Lead oxide sulfate, [Phthalate] (Dioxotrilead, Dioxobis(stearato)trilead, (Fatty acids, lead salts), Lead cyanamidate, Lead dinitrate, Pentalead tetraoxide sulphate, (Pyrochlore, antimony lead yellow), (Sulfurous acid, lead salt, dibasic), Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate Cadmium oxide Cadmium sulphide Lead diacetate, Cadmium chloride Sodium peroxometaborate (Sodium perborate; perboric acid, sodium salt) cadmium fluoride Cadmium sulphate



via direct tests but via converting them into detectable elements, we consider that all the relative elements exist in the form of their compounds when having the test.

9. Chemical Inspection & Regulation Service Limited reserves the right of final explanations

The end of report *****