

## TEST REPORT

Report No.: HA0116 101174 H

Date: October 24 , 2016

Page 1 of 15

Applicant : LVH TRADING CO., LTD

Address : UNIT 04,7/F,BRIGHT WAY TOWER HONG KONG

The following samples were submitted and identified by/on behalf of the client as:

Sample Description : PAPER CUPS

Model No. : 4OZ, 6OZ, 7OZ, 8OZ, 10OZ, 12OZ, 16OZ, 20OZ, 26OZ

Date of Sample Received : October 18, 2016

Sample Testing Date : October 18, 2016 to October 24, 2016

Test Requested	According to European Commission Regulation 1907/2006(REACH Act), to test the 169 SVHC content which have been listed in ECHA's <a href="http://echa.europa.eu/web/guest/candidate-list-table">http://echa.europa.eu/web/guest/candidate-list-table</a>
Test Method	By Inductively Coupled Plasma Optical Emission Spectrometry, Ion Chromatography, UV -Visible Spectrophotometry, Gas Chromatographic - Mass Spectrometry, Liquid Chromatographic - Mass Spectrometry and High Performance Liquid Chromatography analysis.
Test Result	Refer to next page(s)
Test Conclusion	Pass

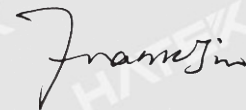
\*\*\*\*\* For Further Details, Please Refer to the Following Page(s) \*\*\*\*\*

Written by :



Cherry Chen

Reviewed by :



Frank Jin

Approved by:



Milse Xie



This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 2 of 15

**Test Results:**

Substance in the candidate list of SVHC

Substance Name	CAS No	Result		RL(%)
		Group 1	Group 2	
All tested SVHC in candidate list	---	ND	ND	---

**Test Parts Description:**

No.	Item	Test Parts Description
1	Group 1: Paper cups	please see Photo 1
2	Group 2: Plastic parts	please see Photo 2

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 3 of 15

**Full list tested SVHC**

Seq.	Substance Name	CAS No.	RL(%)
1	Cobalt Dichloride $\Delta$	7646-79-9	0.10
2	Diarsenic Pentaoxide $\Delta$	1303-28-2	0.01
3	Diarsenic Trioxide $\Delta$	1327-53-3	0.01
4	Lead Hydrogen Arsenate $\Delta$	7784-40-9	0.01
5	Triethyl Arsenate $\Delta$	15606-95-8	0.01
6	Sodium Dichromate $\Delta$	7789-12-0, 10588-01-9	0.01
7	Bis (Tributyltin) Oxide (TBTO) $\Delta$	56-35-9	0.10
8	Anthracene	120-12-7	0.10
9	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	0.10
10	Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4and 3194-55-6	0.10
11	5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	0.10
12	Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	0.10
13	Dibutyl Phthalate (DBP)	84-74-2	0.10
14	Benzyl Butyl Phthalate (BBP)	85-68-7	0.10
15	Short Chain Chlorinated Paraffins (C <sub>10-13</sub> )	85535-84-8	0.10
16	Lead Chromate $\Delta$	7758-97-6	0.01
17	Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) $\Delta$	12656-85-8	0.01
18	Lead Sulfochromate Yellow (C.I.Pigment Yellow 34) $\Delta$	1344-37-2	0.01

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 4 of 15

Seq.	Substance Name	CAS No.	RL(%)
19	Tris (2-Chloroethyl) Phosphate	115-96-8	0.10
20	2,4-Dinitrotoluene	121-14-2	0.10
21	Diisobutyl Phthalate (DIBP)	2184-69-5	0.10
22	Coal Tar Pitch, High temperature	65996-93-2	0.10
23	Anthracene Oil	90640-80-5	0.10
24	Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	0.10
25	Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	0.10
26	Anthracene Oil, Anthracene-low	90640-82-7	0.10
27	Anthracene Oil, Anthracene Paste	90640-81-6	0.10
28	Acrylamide	79-06-1	0.10
29	Boric Acid $\Delta$	10043-35-3, 11113-50-1	0.01
30	Disodium Tetraborate, Anhydrous $\Delta$	1330-43-4, 12179-04-3, 1303-96-4	0.01
31	Tetraboron Disodium Heptaoxide, Hydrate $\Delta$	12267-73-1	0.01
32	Sodium Chromate $\Delta$	7775-11-3	0.01
33	Potassium Chromate $\Delta$	7789-00-6	0.01
34	Ammonium Dichromate $\Delta$	7789-09-5	0.01
35	Potassium Dichromate $\Delta$	7778-50-9	0.01
36	Trichloroethylene	79-01-6	0.10
37	2-Methoxyethanol	109-86-4	0.10

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 5 of 15

Seq.	Substance Name	CAS No.	RL(%)
38	2-Ethoxyethanol	110-80-5	0.10
39	Cobalt Sulphate $\Delta$	10124-43-3	0.01
40	Cobalt Dinitrate $\Delta$	10141-05-6	0.01
41	Cobalt Carbonate $\Delta$	71-48-7	0.01
42	Cobalt Diacetate $\Delta$	513-79-1	0.01
43	Chromium Trioxide $\Delta$	1333-82-0	0.01
44	Chromic Acid $\Delta$ Dichromic Acid $\Delta$ Oligomers of Chromic Acid and Dichromic Acid $\Delta$	7738-94-5 13530-68-2 --	0.01
45	Strontium Chromate $\Delta$	7789-06-2	0.01
46	2-Ethoxyethyl acetate (2-EEA)	111-15-9	0.10
47	1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)	68515-42-4	0.10
48	Hydrazine	48 7803-57-8 302-01-2	0.10
49	1-Methyl-2-pyrrolidone	872-50-4	0.10
50	1,2,3-Trichloropropane	96-18-4	0.10
51	1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP)	71888-89-6	0.10
52	Lead Dipicrate $\Delta$	6477-64-1	0.01
53	Lead Styphnate $\Delta$	15245-44-0	0.01
54	Lead Azide; Lead Diazide $\Delta$	13424-46-9	0.01
55	Phenolphthalein	77-09-8	0.10
56	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.10

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 6 of 15

Seq.	Substance Name	CAS No.	RL(%)
57	N,N-dimethylacetamide (DMAC)	127-19-5	0.10
58	Trilead diarsenate Δ	3687-31-8	0.01
59	Calcium arsenate Δ	7778-44-1	0.01
60	Arsenic acid Δ	7778-39-4	0.01
61	Bis(2-methoxyethyl) ether	111-96-6	0.10
62	1,2-Dichloroethane	107-06-2	0.10
63	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	0.10
64	2-Methoxyaniline; o-Anisidine	90-04-0	0.10
65	Bis(2-methoxyethyl) phthalate(DMEP)	117-82-8	0.10
66	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	0.10
67	Pentazinc chromate octahydroxide Δ	49663-84-5	0.01
68	Potassium hydroxyoctaoxodizincate dichromate Δ	11103-86-9	0.01
69	Dichromium tris(chromate) Δ	24613-89-6	0.01
70	Aluminosilicate Refractory Ceramic Fibres Δ	(Index No.650-017-00-8)	0.01
71	Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No.650-017-00-8)	0.01
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.10
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.10
74	Diboron trioxide Δ	1303-86-2	0.01
75	Formamide	75-12-7	0.10
76	Lead(II) bis(methanesulfonate) Δ	17570-76-2	0.01

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 7 of 15

Seq.	Substance Name	CAS No.	RL(%)
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.10
78	2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.10
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	0.10
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.10
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	0.10
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	0.10
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)[with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	0.10
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	0.10
85	Bis(pentabromophenyl) ether(decabromodiphenyl ether; DecaBDE)	1163-19-5	0.10
86	Pentacosafuorotridecanoic acid	72629-94-8	0.10
87	Tricosafuorododecanoic acid	307-55-1	0.10
88	Henicosafuoroundecanoic acid	2058-94-8	0.10
89	Heptacosafuorotetradecanoic acid	376-06-7	0.10
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.10

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

## TEST REPORT

Report No.: HA0116101174H

Date: October 24, 2016

Page 8 of 15

Seq.	Substance Name	CAS No.	RL(%)
91	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans-[3] isomer substances and all possible combinations of the cis and trans-isomers [1] are covered by this entry].	85-42-7 13149-00-3 14166-21-3	0.10
92	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.10
93	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]	--	0.10
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	--	0.10
95	Methoxyacetic acid	625-45-6	0.10
96	N,N-dimethylformamide	68-12-2	0.10
97	Dibutyltin dichloride (DBTC) Δ	683-18-1	0.10
98	Lead monoxide (Lead oxide) Δ	1317-36-8	0.01
99	Orange lead (Lead tetroxide) Δ	1314-41-6	0.01
100	Lead bis(tetrafluoroborate) Δ	13814-96-5	0.01
101	Trilead bis(carbonate)dihydroxide Δ	1319-46-6	0.10
102	Lead titanium trioxide Δ	12060-00-3	0.01

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn



## TEST REPORT

Report No.: HA0116101174H

Date: October 24, 2016

Page 9 of 15

Seq.	Substance Name	CAS No.	RL(%)
103	Lead titanium zirconium oxide Δ	12626-81-2	0.01
104	Silicic acid, lead salt Δ	11120-22-2	0.01
105	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped Δ [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	0.10
106	1-bromopropane (n-propyl bromide)	106-94-5	0.10
107	Methyloxirane (Propylene oxide)	75-56-9	0.10
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.10
109	Diisopentylphthalate (DIPP)	109 605-50-5	0.10
110	N-pentyl-isopentylphthalate	776297-69-9	0.10
111	1,2-diethoxyethane	629-14-1	0.10
112	Acetic acid, lead salt, basic Δ	51404-69-4	0.01
113	Lead oxide sulfate Δ	12036-76-9	0.01
114	[Phthalato(2-)]dioxotrilead Δ	69011-06-9	0.10
115	Dioxobis(stearato)trilead Δ	12578-12-0	0.10
116	Fatty acids, C16-18, lead salts Δ	91031-62-8	0.01
117	Lead cyanamidate Δ	20837-86-9	0.01
118	Lead dinitrate Δ	10099-74-8	0.01

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: [www.hatek.com.cn](http://www.hatek.com.cn) E-mail: [info@hatek.com.cn](mailto:info@hatek.com.cn)

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 10 of 15

Seq.	Substance Name	CAS No.	RL(%)
119	Pentalead tetraoxide sulphate Δ	12065-90-6	0.01
120	Pyrochlore, antimony lead yellow Δ	8012-00-8	0.01
121	Sulfurous acid, lead salt, dibasic Δ	62229-08-7	0.01
122	Tetraethyllead Δ	78-00-2	0.01
123	Tetralead trioxide sulphate Δ	12202-17-4	0.01
124	Trilead dioxide phosphonate Δ	12141-20-7	0.01
125	Furan	110-00-9	0.10
126	Diethyl sulphate	64-67-5	0.10
127	Dimethyl sulphate	77-78-1	0.10
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.10
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.10
130	4,4'-methylenedi-o-toluidine	838-88-0	0.10
131	4,4'-oxydianiline and its salts	101-80-4	0.10
132	4-aminoazobenzene	60-09-3	0.10
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.10
134	6-methoxy-m-toluidine (pcesidine)	120-71-8	0.10
135	Biphenyl-4-ylamine	92-67-1	0.10
136	O-aminoazotoluene [(4-otolylazo-O-toluidine)]	97-56-3	0.10
137	O-toluidine	95-53-4	0.10
138	N-methylacetamide	79-16-3	0.10

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: [www.hatek.com.cn](http://www.hatek.com.cn) E-mail: [info@hatek.com.cn](mailto:info@hatek.com.cn)

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 11 of 15

Seq.	Substance Name	CAS No.	RL(%)
139	Cadmium $\Delta$	7440-43-9	0.10
140	Cadmium oxide $\Delta$	1306-19-0	0.10
141	Dipentyl phthalate (DPP)	131-18-0	0.10
142	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 welldefined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	--	0.10
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.10
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.10
145	Cadmium sulphide $\Delta$	1306-23-6	0.01
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.10
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	0.10
148	Dihexyl phthalate (DnHP)	84-75-3	0.10
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.10
150	Lead di(acetate) $\Delta$	301-04-2	0.01
151	Trixylyl phosphate	25155-23-1	0.10

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 12 of 15

Seq.	Substance Name	CAS No.	RL(%)
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (Diisohexyl phthalate(DIHP))	68515-50-4	0.10
153	Cadmium chloride $\Delta$	10108-64-2	0.01
154	Sodium perborate; perboric acid, sodium salt $\Delta$	--	0.01
155	Sodium peroxometaborate $\Delta$	7632-04-4	0.01
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.10
157	2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	0.10
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.10
159	Cadmium fluoride $\Delta$	159 7790-79-6	0.01
160	Cadmium sulphate $\Delta$	10124-36-4; 31119-53-6	0.01
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)	15571-58-1; 27107-89-7	0.10
162	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 (EC No. 201-559-5)	68515-51-5 68648-93-1	0.10

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

**TEST REPORT**

Report No.: HA0116101174H

Date: October 24, 2016

Page 13 of 15

Seq.	Substance Name	CAS No.	RL(%)
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-secbutyl-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]	117933-89-8	0.10
164	Nitrobenzene	98-95-3	0.10
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.10
166	2-(2H-benzotriazol-2-yl)-4-(tertbutyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.10
167	1,3-propanesultone	1120-71-4	0.10
168	Perfluorononan-1-oic-acid and its sodium and ammonium salt	375-95-1 21049-39-8 4149-60-4	0.10
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.01

**Note:**

SVHC = Substance of very high concern

RL=Reporting Limit. All RL are based on homogenous material.

ND = Not detected (Lower than RL), ND is denoted on the SVHC substance.

Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: www.hatek.com.cn E-mail: info@hatek.com.cn

## TEST REPORT

Report No.: HA0116101174H

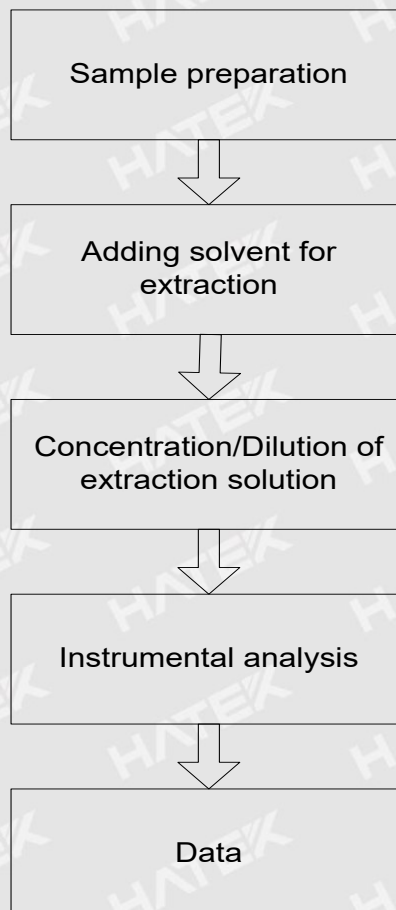
Date: October 24, 2016

Page 14 of 15

### Note:

1. 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), if both the following conditions are met:
  - (a) the substance is present in those articles in quantities totalling over one tonne per producer or importer per year;
  - (b) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w).
2. Form 28 October 2008, EU & EEA suppliers of articles of articles which contain substances on the Candidate List in a concentration above 0.1% (W/W) must provide sufficient information, available to them, to their customers and on request to a consumer within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.
3. ND=Not detected, Less than method detection limit (MDL).

### Measurement Flowchart:



This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: [www.hatek.com.cn](http://www.hatek.com.cn) E-mail: [info@hatek.com.cn](mailto:info@hatek.com.cn)

## TEST REPORT

Report No.: HA0116101174H

Date: October 24, 2016

Page 15 of 15

### Sample Photo:

Photo 1



Photo 2



==== End of Test Report ====

This document cannot be reproduced except in full, without prior written approval of HATEK. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Ningbo HATEK Co., Ltd.

Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China.

Tel: 86-574-55127666 Fax: 86-574-55127899 Website: [www.hatek.com.cn](http://www.hatek.com.cn) E-mail: [info@hatek.com.cn](mailto:info@hatek.com.cn)