

TEST REPORT

Report No. : GR:HL:6480027092

DATE : 10th December, 2015



J.K. ENTERPRISES

4 BIRLA SHOPPING CENTRE, OPP. NASIK ROAD COLLEGE, NASIK ROAD
 NASIK-422101
 INDIA

CONTACT PERSON : MR. SANJAY SAHNI

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION GRAPAGE GRAPE GUARD
STYLE NO. 23.5X32CMS-5GMS, 23.5X45CMS-7GMS, 35X40CMS-8.5GMS, 35X47CMS-6.5GMS,
 35X47CMS-10GMS

OTHER DETAILS INDIAN SEASON 2015-2016

COUNTRY OF ORIGIN INDIA

SAMPLE RECD ON 17/11/2015

TEST PERFORMING DATE 24/11/2015 TO 10/12/2015

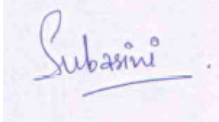
Test Requested 1. One hundred and sixty three (163) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on June 2015 regarding Regulation (EC) No 1907/2006 concerning the REACH.
 2. BISPHEINOL A (BPA) CONTENT

Test result Please refer to next page(s).

Test Method Please refer to next page(s).

Test Summary: According to the interpretation of ECHA and the majority of EU member states on the definition of an article as well as the specified scope and analytical technique, concentrations of all SVHC are <0.1% in the submitted sample(s).

Per Pro SGS India Pvt Ltd.



Subasini Saraswat

Asst. Manager

Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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Test Sample : 1. GRAPAGE GRAPE GUARD

Test Method : SGS In-House method - Analyzed by ICP-OES, GC-MS, UV-VIS, HPLC-DAD, HPLC-MS and colorimetric method .

Remark:

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
<http://echa.europa.eu/web/guest/candidate-list-table> (Candidate list)
2. In accordance with Regulation (EC) No 1907/2006, any EU 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 (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).
3. 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 in the Candidate List.
4. SGS adopts the interpretation of ECHA for SVHC in article unless indicated otherwise. Detail explanation is available at the following link
http://webstage.contribute.sgs.net/corpreach/documents/SGS-CTS_SVHC-paper-EN-11.pdf
5. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.
6. The submitted sample is tested as one article per client requested.

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Test Results :

No.	Substance Name	CAS No./EC No.	Concentration of article (%)	RL (%)	No.	Substance Name	CAS No./EC No.	Concentration of article (%)	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Oct 28, 2008									
1	4,4'-Diaminodiphenylmethane (MDA)	101-77-9/202-974-4	n.d	0.05	2	5-tert-butyl-2,4,6-trinitro- <i>m</i> -xylene (musk xylene)	81-15-2/201-329-4	n.d	0.05
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8/287-476-5	n.d	0.05	4	Anthracene	120-12-7/204-371-1	n.d	0.05
5	Benzyl butyl phthalate (BBP)	85-68-7/201-622-7	n.d	0.05	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7/204-211-0	n.d	0.05
7	Bis(tributyltin)oxide (TBTO)	56-35-9/200-268-0	n.d	--	8	Cobalt dichloride*	7646-79-9/231-589-4	n.d	0.005
9	Diarsenic pentaoxide*	1303-28-2/215-116-9	n.d	--	10	Diarsenic trioxide*	1327-53-3/215-481-4	n.d	--
11	Dibutyl phthalate (DBP)	84-74-2/201-557-4	n.d	--	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4/ 247-148-4; 3194-55-6/ 221-695-9; (134237-50-6/-; 134237-51-7/-; 134237-52-8/-)	n.d	0.05
13	Lead hydrogen arsenate*	7784-40-9/232-064-2	n.d	--	14	Sodium dichromate*	7789-12-0 10588-01-9/234-190-3	n.d	--
15	Triethyl arsenate*	15606-95-8/427-700-2	n.d	--					
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 13, 2010									
16	2,4-Dinitrotoluene	121-14-2/204-450-0	n.d	0.05	17	Anthracene oil*	90640-80-5/292-602-7	n.d	0.05
18	Anthracene oil, anthracene paste*	90640-81-6/292-603-2	n.d	0.05	19	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2/295-275-9	n.d	0.05
20	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4/295-278-5	n.d	0.05	21	Anthracene oil, anthracene-low*	90640-82-7/292-604-8	n.d	0.05
22	Diisobutyl phthalate	84-69-5/201-553-2	n.d	0.05	23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8/235-759-9	n.d	0.01
24	Lead chromate*	7758-97-6/231-846-0	n.d	0.01	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2/215-693-7	n.d	0.01
26	Pitch, coal tar, high temp.*	65996-93-2/266-028-2	n.d	0.05	27	Tris(2-chloroethyl)phosphate	115-96-8/204-118-5	n.d	0.05
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Mar 30, 2010									
28	Acrylamide	79-06-1/201-173-7	n.d	0.05					

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Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2010									
29	Ammonium dichromate*	7789-09-5/232-143-1	n.d	--	30	Boric acid*	10043-35-3/ 233-139-2; 11113-50-1/234-343-4	n.d	0.05
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3/215-540-4	n.d	0.05	32	Potassium chromate*	7789-00-6/232-140-5	n.d	--
33	Potassium dichromate*	7778-50-9/231-906-6	n.d	--	34	Sodium chromate*	7775-11-3/231-889-5	n.d	--
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1/235-541-3	n.d	--	36	Trichloroethylene	79-01-6/201-167-4	n.d	0.05

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Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 15, 2010									
37	2-Ethoxyethanol	110-80-5/ 203-804-1	n.d	0.05	38	2-Methoxyethanol	109-86-4/ 203-713-7	n.d	0.05
39	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid*	7738-94-5/ 231-801-5; 13530-68-2/ 236-881-5	n.d	--	40	Chromium trioxide*	1333-82-0/ 215-607-8	--	0.005
41	Cobalt(II) carbonate*	513-79-1/ 208-169-4	n.d	--	42	Cobalt(II) diacetate*	71-48-7/ 200-755-8	n.d	--
43	Cobalt(II) dinitrate*	10141-05-6/ 233-402-1	n.d	--	44	Cobalt(II) sulphate*	10124-43-3/ 233-334-2	n.d	0.05
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2011									
45	1,2,3-Trichloropropane	96-18-4/ 202-486-1	n.d	0.05	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6/ 276-158-1	n.d	0.05
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4/ 271-084-6	n.d	0.05	48	1-Methyl-2-pyrrolidone	872-50-4/ 212-828-1	n.d	0.05
49	2-Ethoxyethyl acetate	111-15-9/ 203-839-2	n.d	0.05	50	Hydrazine	7803-57-8/ 302-01-2/ 206-114-9	n.d	0.05
51	Strontium chromate*	7789-06-2/ 232-142-6	n.d	--					
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2011									
52	1,2-Dichloroethane	107-06-2/ 203-458-1	n.d	0.05	53	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4/ 202-918-9	n.d	0.05
54	2-Methoxyaniline	90-04-0/ 201-963-1	n.d	0.05	55	4-tert-Octylphenol	140-66-9/ 205-426-2	n.d	0.05
56	Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	n.d	0.05	57	Arsenic acid*	7778-39-4/ 231-901-9	--	0.005
58	Bis(2-methoxyethyl) ether	111-96-6/ 203-924-4	n.d	0.05	59	Bis(2-methoxyethyl) phthalate	117-82-8/ 204-212-6	n.d	0.050
60	Calcium arsenate*	7778-44-1/ 231-904-5	n.d	--	61	Dichromium tris(chromate)*	24613-89-6/ 246-356-2	n.d	0.005
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4/ 500-036-1	n.d	0.05	63	Lead diazide*	13424-46-9/ 236-542-1	n.d	--
64	Lead dipicrate*	6477-64-1/ 229-335-2	n.d	0.005	65	Lead styphnate*	15245-44-0/ 239-290-0	n.d	--

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66	N,N-dimethylacetamide (DMAC)	127-19-5/204-826-4	n.d	0.05	67	Pentazinc chromate octahydroxide*	49663-84-5/256-418-0	n.d	--
68	Phenolphthalein	77-09-8/201-004-7	n.d	0.05	69	Potassium hydroxyoctaoxidizincatedichromate*	11103-86-9/234-329-8	n.d	--

No.	Substance Name	CAS No./EC No.	Concentration of article (%)	RL (%)	No.	Substance Name	CAS No./EC No.	Concentration of article (%)	RL (%)
70	Trilead diarsenate*	3687-31-8/222-979-5	n.d	--	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	n.d	0.005
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2012									
72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5/219-943-6	n.d	0.05	73	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9/208-953-6	n.d	0.05
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2/203-977-3	n.d	0.05	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4/203-794-9	n.d	0.05
76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8/202-027-5	n.d	0.05	77	4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol	561-41-1/209-218-2	n.d	0.05
78	Diboron trioxide*	1303-86-2/215-125-8	n.d	--	79	Formamide	75-12-7/200-842-0	n.d	0.05
80	Lead(II) bis(methanesulfonate)*	17570-76-2/401-750-5	n.d	0.05	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1/202-959-2	n.d	0.05
82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9/219-514-3	n.d	0.05	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0/229-851-8	n.d	0.05

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84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6/ 423-400-0	n.d	0.05					
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2012									
85	[Phthalato(2-)]dioxotrilead*	69011-06-9/ 273-688-5	n.d	--	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0/ 284-032-2	n.d	0.05
87	1,2-Diethoxyethane	629-14-1/ 211-076-1	n.d	0.05	88	1-Bromopropane	106-94-5/ 203-445-0	n.d	0.05
89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2/ 421-150-7	n.d	0.05	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	n.d	0.05
91	4,4'-Methylenedi- <i>o</i> -toluidine	838-88-0/ 212-658-8	n.d	0.05	92	4,4'-Oxydianiline	101-80-4/ 202-977-0	n.d	0.05
93	4-Aminoazobenzene	60-09-3/ 200-453-6	n.d	0.05	94	4-Methyl- <i>m</i> -phenylenediamine	95-80-7/ 202-453-1	n.d	0.05
95	4-Nonylphenol, branched and linear	-	n.d	0.05	96	6-Methoxy- <i>m</i> -toluidine	120-71-8/ 204-419-1	n.d	0.05
97	Acetic acid, lead salt, basic*	51404-69-4/ 257-175-3	n.d	--	98	Biphenyl-4-ylamine	92-67-1/ 202-177-1	n.d	0.05
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5/ 214-604-9	n.d	0.05	100	C,C'-azodi(formamide) (ADCA)	123-77-3/ 204-650-8	n.d	0.05
101	Dibutyltin dichloride (DBT)	683-18-1/ 211-670-0	n.d	0.05	102	Diethyl sulphate	64-67-5/ 200-589-6	n.d	0.05
103	Diisopentylphthalate (DIPP)	605-50-5/ 210-088-4	n.d	0.05	104	Dimethyl sulphate	77-78-1/ 201-058-1	n.d	0.05
105	Dinoseb	88-85-7/ 201-861-7	n.d	0.05	106	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8	n.d	--
107	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7	n.d	--	108	Furan	110-00-9/ 203-727-3	n.d	0.05
109	Henicosafleuroundecanoic acid	2058-94-8/ 218-165-4	n.d	0.05	110	Heptacosafleuroundecanoic acid	376-06-7/ 206-803-4	n.d	0.05
111	Hexahydro-2-benzofuran-1,3-dione, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7/ 201-604-9; 13149-00-3/ 236-086-3; 14166-21-3/ 238-009-9	n.d	0.05	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0/ 247-094-1; 19438-60-9/ 243-072-0; 48122-14-1/ 256-356-4; 57110-29-9/ 260-566-1	n.d	0.05
113	Lead bis(tetrafluoroborate)*	13814-96-5/ 237-486-0	n.d	--	114	Lead cyanamidate*	20837-86-9/ 244-073-9	n.d	--
115	Lead dinitrate*	10099-74-8/ 233-245-9	n.d	--	116	Lead monoxide*	1317-36-8/ 215-267-0	n.d	0.005
117	Lead oxide sulphate*	12036-76-9/ 234-853-7	n.d	--	118	Lead tetroxide*	1314-41-6/ 215-235-6	n.d	--
119	Lead titanium trioxide*	12060-00-3/ 235-038-9	n.d	--	120	Lead titanium zirconium oxide*	12626-81-2/ 235-727-4	n.d	--

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121	Methoxyacetic acid	625-45-6/210-894-6	n.d	0.05	122	N,N-Dimethylformamide	68-12-2/200-679-5	n.d	0.05
123	N-Methylacetamide	79-16-3/201-182-6	n.d	0.05	124	N-Pentyl-isopentylphthalate	776297-69-9/-	n.d	0.05
125	o-Aminoazotoluene	97-56-3/202-591-2	n.d	0.05	126	o-Toluidine	95-53-4/202-429-0	n.d	0.05
127	Pentacosafuorotridecanoic acid	72629-94-8/276-745-2	n.d	0.05	128	Pentalead tetraoxide sulphate*	12065-90-6/235-067-7	n.d	--
129	Propylene oxide	75-56-9/200-879-2	n.d	0.05	130	Pyrochlore, antimony lead yellow*	8012-00-8/232-382-1	n.d	--
131	Silicic acid, barium salt, lead-doped*	68784-75-8/272-271-5	n.d	--	132	Silicic acid, lead salt*	11120-22-2/234-363-3	n.d	--
133	Sulfurous acid, lead salt, dibasic*	62229-08-7/263-467-1	n.d	--	134	Tetraethyllead*	78-00-2/201-075-4	n.d	--
135	Tetralead trioxide sulphate*	12202-17-4/235-380-9	n.d	--	136	Tricosafuorododecanoic acid	307-55-1/206-203-2	n.d	0.05
137	Trilead bis(carbonate)dihydroxide*	1319-46-6/215-290-6	n.d	--	138	Trilead dioxide phosphonate*	12141-20-7/235-252-2	n.d	--
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2013									
139	4-Nonylphenol, branched and linear, ethoxylated	-	n.d	0.05	140	Ammoniumpentadecafluorooctanoate (APFO)	3825-26-1/223-320-4	n.d	0.05
141	Cadmium	7440-43-9/231-152-8	n.d	0.005	142	Cadmium oxide*	1306-19-0/215-146-2	n.d	--
143	Di-n-pentyl phthalate	131-18-0/205-017-9	n.d	0.05	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1/206-397-9	n.d	0.05

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No.	Substance Name	CAS No./EC No.	Concentration of article (%)	RL (%)	No.	Substance Name	CAS No./EC No.	Concentration of article (%)	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 16, 2013									
145	Cadmium sulphide*	1306-23-6/ 215-147-8	n.d	0.05	146	Dihexyl phthalate	84-75-3/ 201-559-5	n.d	0.05
147	Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0/ 209-358-4	n.d	0.05	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/ 217-710-3	n.d	0.05
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9	n.d	0.05	150	Lead di(acetate)*	301-04-2/ 206-104-4	n.d	0.05
151	Trixylyl phosphate	25155-23-1/ 246-677-8		0.05					
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 16, 2014									
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4/ 271-093-5	n.d	0.05	153	Cadmium chloride*	10108-64-2/ 233-296-7	n.d	--
154	Sodium perborate; perboric acid, sodium salt*	- / 234-390-0; 239-172-9	n.d	--	155	Sodium peroxometaborate*	7632-04-4/ 231-556-4	n.d	--
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2014									
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7 / 223-346-6	n.d	0.05	157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1 / 247-384-8	n.d	0.05
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1 / 239-622-4	n.d	--	159	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-ethylhexyl]oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	/	n.d	0.05
160	Cadmium fluoride*	7790-79-6 / 232-222-0	n.d	--	161	Cadmium sulphate*	10124-36-4; 31119-53-6 / 233-331-6	n.d	--
162	Svhc-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	(Cas no 68515-51; 68648-93-1)	n.d	--	163	Svhc-5-sec-butyl -2-(2,4-diethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane(2)(covering any of the individual isomers of (1) and (2) or any combination	/	n.d	0.05

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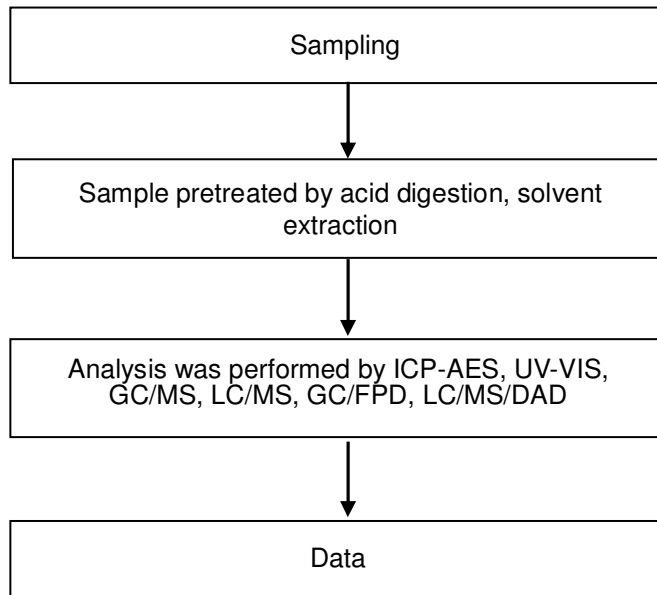


Notes :

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. n.d.= not detected = below Reporting Limit
3. RL = Reporting Limit. All RL are based on homogenous material
4. * The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website: <http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-Products/Toys/REACH/Management-of-SVHC.aspx>
5. Above test has been subcontracted to sgs approved overseas lab
6. - : Not Regulated.

Analytical flow chart of SVHC

- Name of the person who made measurement: Jony Liu/Dorothy Chen/Ginny Huang
- Name of the person in charge of measurement: Ray Chang



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TEST NAME/METHOD	RESULT (mg/kg)
BISPHENOL A (BPA) CONTENT (Solvent extraction and analysis by LC/MS)	GRAPAGE GRAPE GUARD: ND

Note:

1. Detection Limit = 1 mg/kg, ND=Not Detected
2. mg/kg = milligram per kilograms
3. Testing has been performed as per applicant's request.
4. Tesing has been subcontracted to SGS approved lab.



***** End of Report*****