

Kehua Trade Wenzhou Co., Ltd

1602 Huameng Business Sq, Luchen District, Wenzhou, Zhejiang Province

Attn.: Jin Kaixin

SAMPLE DESCRIPTION Plastic Pellet

STYLE NO. KM-93

PO NO. Not Provided **AGE GRADING** 3+, 8+, Adult **COLOUR** : colorless

APPLICANT Kehua Trade Wenzhou Co., Ltd

MANUFACTURER Not Provided : **BUYER** Not Provided **COUNTRY OF ORIGIN** Not Provided **EXPORTED TO** Not Provided

TESTING LOCATION UL VS Shanghai Limited Shenzhen Branch

DATE RECEIVED SAMPLES : Nov 26, 2019

DATE OF TEST Nov 26, 2019 - Dec 06, 2019

RESULTS Please refer to the following page(s)

CONCLUSION:

Total Bisphenol A Content Test According To Client's Specification Pass Total Phthalate Test As Per Client's Specification **Pass** Determination Of 201 Candidate List Of Substance Of Very High Concern [Article 33 of Regulation Pass 3.

(EC) no. 1907/2006 (REACH)]

4. Total Phthalates Content [ROHS Directive 2015/863/EU Amending Directive 2011/65/EU Annex II] ROHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

-Screening by X-ray fluorescence spectroscopy and confirmed by wet chemical method of Lead, Cadmium, Mercury, Chromium and Brominated flame retardants (PBB & PBDE)

Note: The results relate only to the items tested.

For and on behalf of

INIC. Wu

UL VS Shanghai Limited Shenzhen Branch

Eric Wu - Engineering Manager (Hardlines Testing)

B.W



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SZ-FAF-001 (2017-10-12)

Pass

Pass

Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6.2019



Kehua Trade Wenzhou Co., Ltd

1602 Huameng Business Sq, Luchen District, Wenzhou, Zhejiang Province

Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST RESULTS

Tested Sample ID	Product Description / Sample Group Desc.		
001	Plastic Pellet		
002	Transparent plastic(plastic pellet) (From 001)		

Total Bisphenol A Content Test According To Client's Specification

Test Method: In-house method

Analyta	Requirement	Reporting Limit	Sample, mg/kg
<u>Analyte</u>	<u>(Max.)</u>	Reporting Limit	<u>002</u>
Bisphenol A	0.1	0.1	ND
Rating			PASS

Remark:

- -All concentrations expressed in milligrams per kilogram of Tested Parts
- -"<" means less than;
- -"ND" (Not Detected) means less than reporting limit.
- -Method for determination of bisphenol A is determined by LC-MS-MS
- -The test results only apply to the items tested.

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TEST RESULTS

2. Total Phthalate Test As Per Client's Specification Test Method: CPSC-CH-C1001-09.4

Anglyto	CAS No	Requirement	Reporting	Sample, %	
Analyte	CAS No.	(Max.)	Limit	002	
Dibutyl phthalate (DBP)	84-74-2	0.1	0.005	ND	
Benzyl butyl phthalate (BBP)	85-68-7	0.1	0.005	ND	
Diethyl hexyl phthalate (DEHP)	117-81-7	0.1	0.005	ND	
Di-n-octyl phthalate (DNOP)	117-84-0	0.1	0.005	ND	
Di-(iso-nonyl) phthalate (DINP)	68515-48-0/ 28553-12-0	0.1	0.005	ND	
Di-(iso-decyl) phthalate (DIDP)	68515-49-1/ 26761-40-0	0.1	0.005	ND	
Diethyl phthalate (DEP)	84-66-2	0.1	0.005	ND	
Dinonyl phthalate (DNP)	84-76-4	0.1	0.005	ND	
Diphenyl Phthalate (DPhP)	53306-54-0	0.1	0.005	ND	
Di-isobutyl phthalate (DIBP)	84-69-5	0.1	0.005	ND	
Di-n-pentyl phthalate (DPP)	131-18-0	0.1	0.005	ND	
Di-n-hexyl phthalate (DnHP)	84-75-3	0.1	0.005	ND	
Dicyclohexyl phthalate (DCHP)	84-61-7	0.1	0.005	ND	
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	0.1	0.005	ND	
Di-isopentylphthalate (DIPP)	605-50-5	0.1	0.005	ND	
N-pentyl iso-pentylphthalate (PiPP)	776297-69-9	0.1	0.005	ND	
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	0.1	0.005	ND	
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	0.1	0.005	ND	
Di-iso-octyl phthalate (DIOP)	27554-26-3	0.1	0.005	ND	
Dimethyl phthalate (DMP)	131-11-3	0.1	0.005	ND	
Di-n-propyl phthalate (DPrP)	131-16-8	0.1	0.005	ND	
Bis(2-ethylhexyl) terephthalate (DEHTP)	6422-86-2	0.1	0.005	ND	
1,2-Benzenedicarboxylic acid,dipentylester,branched and linear	84777-06-0	0.1	0.005	ND	
1,2-Benzenedicarboxylic acid,dihexylester,branched and linear	68515-50-4	0.1	0.005	ND	
Diallyl phthalate (DAP)	131-17-9	0.1	0.005	ND	
Didecyl Phthalate (DDP)	84-77-5	0.1	0.005	ND	
Diundecyl phthalate (DIUP)	996507-86-7	0.1	0.005	ND	
<u>Rating</u> PASS					

Remark:

- -All concentrations expressed in percentage (%)
- -"<" means less than;
- -"ND" (Not Detected) means less than reporting limit.
- -Method for determination of Phthalates are determined by Gas Chromatography Mass Selective Detector (GC-MSD)
- -The test results only apply to the items tested.

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Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST RESULTS

Determination Of 201 Candidate List Of Substance Of Very High Concern [Article 33 of Regulation (EC) no. 1907/2006 (REACH)]

Test Method: In-house method

No.	Analyte	Requirement	Sample,%
110.		<u>(Max)</u>	<u>A</u>
1	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca- 7,15-diene ("Dechlorane Plus"™)	0.1	<0.01
2	Benz[a]anthracene	0.1	<0.01
3	Cadmium carbonate	0.1	<0.01
4	Cadmium hydroxide	0.1	<0.01
5	Cadmium nitrate	0.1	<0.01
6	Chrysene	0.1	<0.01
7	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	0.1	<0.01
8	Perfluorohexane-1-sulphonic acid and its salts	0.1	<0.01
9	4,4'-isopropylidenediphenol	0.1	<0.01
10	4-heptylphenol, branched and linear	0.1	<0.01
11	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	0.1	<0.01
12	p-(1,1-dimethylpropyl)phenol	0.1	<0.01
13	Benzo[def]chrysene (Benzo[a]pyrene)	0.1	<0.01
14	1,3-propanesultone	0.1	<0.01
15	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	0.1	<0.01
16	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	0.1	<0.01
17	Nitrobenzene	0.1	<0.01
18	Perfluorononan-1-oic-acid and its sodium and ammonium salts	0.1	<0.01
19	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	0.1	<0.01
20	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]	0.1	<0.01
21	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	0.1	<0.01
22	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	0.1	<0.01
23	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	0.1	<0.01
24	Cadmium fluoride	0.1	<0.01
25	Cadmium sulphate	0.1	<0.01
26	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)	0.1	<0.01
27	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	0.1	<0.01
28	Cadmium chloride	0.1	<0.01
29	Sodium perborate	0.1	<0.01

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TEST RESULTS

Soldum perborate, perboric acid, sodium salt	No.	Analyte	Requirement	Sample,%
32			<u>(Max)</u>	
Disexyl phthalate				
Disodium 3.3-[[1,11-biphenyl]-4,4'-diyblis(azo)]bis(4- aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)				
Signature State State	32		0.1	<0.01
4-y azo -5-hydroxy-6-(pnenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	33	aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	0.1	<0.01
36	34	4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	0.1	<0.01
37 Trixylyl phosphate 0.1 <0.01 <0.01 38 4-Nonylphenol, branched and linear, ethoxylated 0.1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	35		0.1	<0.01
38	36		0.1	
39 Ammonium pentadecafluorooctanoate (APFO) 0.1 <0.01	37	Trixylyl phosphate	0.1	<0.01
39 Ammonium pentadecafluorooctanoate (APFO) 0.1 <0.01	38	4-Nonylphenol, branched and linear, ethoxylated	0.1	<0.01
41 Cadmium oxide	39	Ammonium pentadecafluorooctanoate (APFO)		
42 Dipentyl phthalate (DPP) 0.1 <0.01	40		0.1	<0.01
43 Pentadecafluorooctanoic acid (PFOA) 0.1 <0.01 44 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 0.1 <0.01 45 1,2-diethoxyethane 0.1 <0.01 46 1-bromopropane (n-propyl bromide) 0.1 <0.01 47 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 0.1 <0.01 48 4,4'-methylenedi-o-toluidine 0.1 <0.01 49 4,4'-oxydianiline 0.1 <0.01 50 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated 0.1 <0.01 51 4-aminoazobenzene 0.1 <0.01 52 4-methyl-m-phenylenediamine (toluene-2,4-diamine) 0.1 <0.01 53 4-Nonylphenol, branched and linear 0.1 <0.01 54 6-methoxy-m-toluidine (p-cresidine) 0.1 <0.01 55 [Phthalato(2-)]dioxotrilead 0.1 <0.01 56 Acetic acid, lead salt, basic 0.1 <0.01 57 Biphenyl-4-ylamine 0.1 <0.01 58 Cyclohexane-1,2-dicarboxylic anhydride 0.1 <0.01 59 Cyclohexane-1,2-dicarboxylic anhydride 0.1 <0.01 60 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) 0.1 <0.01 61 Dibutyltin dichloride (DBTC) 0.1 <0.01 62 Diethyl sulphate 0.1 <0.01 64 Dimethyl sulphate 0.1 <0.01 65 Dioxobis (stearato) trilead 0.1 <0.01 66 Dioxobis (stearato) trilead 0.1 <0.01 67 Fatty acids, C16-18, lead salts 0.1 <0.01	41	Cadmium oxide	0.1	<0.01
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	42	Dipentyl phthalate (DPP)	0.1	<0.01
1.2-diethoxyethane	43		0.1	<0.01
46 1-bromopropane (n-propyl bromide) 0.1 <0.01	44		0.1	<0.01
46 1-bromopropane (n-propyl bromide) 0.1 <0.01	45	1,2-diethoxyethane	0.1	<0.01
47 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 0.1 <0.01				
48 4,4'-methylenedi-o-toluidine 0.1 <0.01	47	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		
49 4,4'-oxydianiline 0.1 <0.01	48		0.1	<0.01
50 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated 0.1 <0.01	49		0.1	<0.01
51 4-aminoazobenzene 0.1 <0.01	50		0.1	
53 4-Nonylphenol, branched and linear 0.1 <0.01	51		0.1	<0.01
53 4-Nonylphenol, branched and linear 0.1 <0.01	52	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	0.1	<0.01
54 6-methoxy-m-toluidine (p-cresidine) 0.1 <0.01	53		0.1	<0.01
55 [Phthalato(2-)]dioxotrilead 0.1 <0.01				
56 Acetic acid, lead salt, basic 0.1 <0.01			0.1	<0.01
58 Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) 0.1 <0.01	56		0.1	<0.01
58 Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) 0.1 <0.01	57	Biphenyl-4-ylamine	0.1	<0.01
60 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) 0.1 <0.01	58	Bis(pentabromophenyl) ether (decabromodiphenyl ether)	0.1	<0.01
60 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) 0.1 <0.01	59	Cyclohexane-1,2-dicarboxylic anhydride	0.1	<0.01
61 Dibutyltin dichloride (DBTC) 0.1 <0.01			_	
62 Diethyl sulphate 0.1 <0.01				
63 Diisopentyl phthalate 0.1 <0.01				
64 Dimethyl sulphate 0.1 <0.01	_		l	
65 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 0.1 <0.01				
66 Dioxobis(stearato)trilead 0.1 < 0.01 67 Fatty acids, C16-18, lead salts 0.1 < 0.01	65		0.1	<0.01
67 Fatty acids, C16-18, lead salts 0.1 <0.01				
69 Henicosafluoroundecanoic acid 0.1 <0.01				

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Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST RESULTS

Max A Continue Max A	No.	<u>Analyte</u>	Requirement	Sample,%
	70	Hentacos affluoratetra de canoic acid		
Tead bis(tetrafluoroborate)			-	
73				
Teach Teac				
75				
Tead trainium trioxide				
Total Tot				
Read titanium zirconium oxide				
79 Methoxyacetic acid				
Methyloxirane (Propylene oxide)				
N.N-dimethylformamide			-	
N-methylacetamide		N.N. dimothylformamida		
83 N-pentyl-isopentylphthalate 0.1 <0.01 84 0-aminoazotoluene 0.1 <0.01 85 0-toluidine 0.1 <0.01 86 Orange lead (lead tetroxide) 0.1 <0.01 87 Pentacosafluorotridecanoic acid 0.1 <0.01 88 Pentalead tetraoxide sulphate 0.1 <0.01 89 Pyrochlore, antimony lead yellow 0.1 <0.01 90 Silicic acid (H2Si2O5), barium salt (1:1), lead-doped 0.1 <0.01 91 Silicic acid, lead salt 0.1 <0.01 92 Sulfurous acid, lead salt 0.1 <0.01 93 Tetraethyllead 0.1 <0.01 94 Tetralead trioxide sulphate 0.1 <0.01 95 Tricosafluorododecanoic acid 0.1 <0.01 96 Trilead bis(carbonate) dihydroxide 0.1 <0.01 97 Trilead bis(carbonate) dihydroxide 0.1 <0.01 98 1,2-bis(2-methoxyethoxyethane (TEGDME, triglyme) 0.1 <0.01 99 1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME) 0.1 <0.01 100 1,3,5-tris([2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-trione (TGIC) 0.1 <0.01 101 1,3,5-tris([2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-trione (TGIC) 0.1 <0.01 102 4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol 0.1 <0.01 104 4,4'-bis(dimethylamino)-benzyphenone (Michier's ketone) 0.1 <0.01 105 (dimethylamino)henzyphenone (Michier's ketone) 0.1 <0.01 106 Diboron trioxide 0.1 <0.01 107 Formamide 0.1 <0.01 108 Lead(II) bis(methanesulfonate) 0.1 <0.01				
84				
85 o-toluidine 0.1 <0.01				
86 Orange lead (lead tetroxide) 0.1				
87 Pentacosafluorotridecanoic acid 0.1 <0.01				
88 Pentalead tetraoxide sulphate 0.1 <0.01				
Pyrochlore, antimony lead yellow 0.1 <0.01 <0.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01 <90.01				
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91 Silicic acid, lead salt 0.1 <0.01 92 Sulfurous acid, lead salt, dibasic 0.1 <0.01 93 Tetraethyllead 0.1 <0.01 94 Tetralead trioxide sulphate 0.1 <0.01 95 Tricosafluorododecanoic acid 0.1 <0.01 96 Trilead bis(carbonate) dihydroxide 0.1 <0.01 97 Trilead dioxide phosphonate 0.1 <0.01 98 1,2-bis(2-methoxyethoxyyethane (TEGDME,triglyme) 0.1 <0.01 99 1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME) 0.1 <0.01 100 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) 0.1 <0.01 101 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6- (1H,3H,5H)-trione (β-TGIC) 0.1 <0.01 102 4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol 0.1 <0.01 <0.01 103 4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene 0.1 <0.01 <0.01 106 Diboron trioxide 0.1 <0.01 <0.01 <0.01 107 Formamide 0.1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01				
92 Sulfurous acid, lead salt, dibasic 0.1 <0.01				
93 Tetraethyllead 0.1 <0.01 94 Tetralead trioxide sulphate 0.1 <0.01 95 Tricosafluorododecanoic acid 0.1 <0.01 96 Trilead bis(carbonate) dihydroxide 0.1 <0.01 97 Trilead dioxide phosphonate 0.1 <0.01 <0.01 98 1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme) 0.1 <0.01 <0.01 99 1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME) 0.1 <0.01 <0.01 100 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) 0.1 <0.01 <0.01 101 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6- 0.1 <0.01 <0.01 102 4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol 0.1 <0.01 <0.01 103 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 0.1 <0.01 <0.01 104 [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl)methylene]cyclohexa-2,5-dien-1-ylidene] 0.1 <0.01 <0.01 106 Diboron trioxide 0.1 <0.01 <0.01 107 Formamide 0.1 <0.01 <0.01 108 Lead(II) bis(methanesulfonate) 0.1 <0.01				
Tetralead trioxide sulphate 0.1 <0.01				
95 Tricosafluorododecanoic acid 0.1 <0.01 96 Trilead bis(carbonate) dihydroxide 0.1 <0.01 <0.01 97 Trilead dioxide phosphonate 0.1 <0.01 <0.01 <0.01 98 1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme) 0.1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01				
Trilead bis(carbonate) dihydroxide				
97 Trilead dioxide phosphonate 0.1 <0.01 98 1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme) 0.1 <0.01 99 1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME) 0.1 <0.01 100 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) 0.1 <0.01 101 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-				
98 1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme) 0.1 <0.01	96			
99 1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME) 0.1 <0.01				
100 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) 0.1 <0.01				
101 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6- (1H,3H,5H)-trione (β-TGIC) 0.1 <0.01				
101 (1H,3H,5H)-trione (β-TGIC) 0.1 <0.01	100		0.1	<0.01
103 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 0.1 <0.01	101		0.1	<0.01
103 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 0.1 <0.01	102	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	0.1	<0.01
104 [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien- 1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [4-[[4-anilino-1-naphthyl]][4- (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) 106 Diboron trioxide 107 Formamide 108 Lead(II) bis(methanesulfonate) 0.1 <0.01 0.01 0.1 <0.01 0.01				<0.01
105 (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) 0.1 <0.01	104		0.1	<0.01
106 Diboron trioxide 0.1 <0.01	105	[4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]	0.1	<0.01
107 Formamide 0.1 <0.01	106		0.1	<0.01
108 Lead(II) bis(methanesulfonate) 0.1 <0.01				

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Kehua Trade Wenzhou Co., Ltd

1602 Huameng Business Sq, Luchen District, Wenzhou, Zhejiang Province

Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST RESULTS

No.	Analyte	Requirement	Sample,%	
NO.		<u>(Max)</u>	<u>A</u>	
110	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene- 1-methanol (C.I. Solvent Blue 4)	0.1	<0.01	
111	1,2-dichloroethane	0.1	<0.01	
112	2,2'-dichloro-4,4'-methylenedianiline	0.1	<0.01	
113	2-Methoxyaniline, o-Anisidine	0.1	<0.01	
114	4-(1,1,3,3-tetramethylbutyl)phenol	0.1	<0.01	
115	Aluminosilicate Refractory Ceramic Fibres	0.1	<0.01	
116	Arsenic acid	0.1	<0.01	
117	Bis(2-methoxyethyl) ether	0.1	<0.01	
118	Bis(2-methoxyethyl) phthalate	0.1	<0.01	
119	Calcium arsenate	0.1	<0.01	
120	Dichromium tris(chromate)	0.1	<0.01	
121	Formaldehyde, oligomeric reaction products with aniline	0.1	<0.01	
122	Lead diazide, Lead azide	0.1	<0.01	
123	Lead dipicrate	0.1	<0.01	
124	Lead styphnate	0.1	<0.01	
125	N,N-dimethylacetamide	0.1	<0.01	
126	Pentazinc chromate octahydroxide	0.1	<0.01	
127	Phenolphthalein	0.1	<0.01	
128	Potassium hydroxyoctaoxodizincatedichromate	0.1	<0.01	
129	Trilead diarsenate	0.1	<0.01	
130	Zirconia Aluminosilicate Refractory Ceramic Fibres	0.1	<0.01	
131	1,2,3-trichloropropane	0.1	<0.01	
132	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	0.1	<0.01	
133	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	0.1	<0.01	
134	1-Methyl-2-pyrrolidone (NMP)	0.1	<0.01	
135	2-ethoxyethyl acetate	0.1	<0.01	
136	Hydrazine	0.1	<0.01	
137	Strontium chromate	0.1	<0.01	
138	2-ethoxyethanol	0.1	<0.01	
139	2-methoxyethanol	0.1	<0.01	
140	Acids generated from chromium trioxide and their oligomers	0.1	<0.01	
141	Chromium trioxide	0.1	<0.01	
142	Cobalt(II) carbonate	0.1	<0.01	
143	Cobalt(II) diacetate	0.1	<0.01	
144	Cobalt(II) dinitrate	0.1	<0.01	
145	Cobalt(II) sulphate	0.1	<0.01	
146	Ammonium dichromate	0.1	<0.01	
147	Boric acid	0.1	<0.01	
148	Disodium tetraborate, anhydrous	0.1	<0.01	
149	Potassium chromate	0.1	<0.01	
150	Potassium dichromate	0.1	<0.01	
151	Sodium chromate	0.1	<0.01	

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Kehua Trade Wenzhou Co., Ltd

1602 Huameng Business Sq, Luchen District, Wenzhou, Zhejiang Province

Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST RESULTS

No.	Analyte	Requirement	Sample,%
		<u>(Max)</u>	<u>A</u>
152	Tetraboron disodium heptaoxide, hydrate	0.1	<0.01
153	Trichloroethylene	0.1	<0.01
154	Acrylamide	0.1	<0.01
155	2,4-dinitrotoluene	0.1	<0.01
156	Anthracene oil	0.1	<0.01
157	Anthracene oil, anthracene paste	0.1	<0.01
158	Anthracene oil, anthracene paste, anthracene fraction	0.1	<0.01
159	Anthracene oil, anthracene paste, distn. lights	0.1	<0.01
160	Anthracene oil, anthracene-low	0.1	<0.01
161 162	Diisobutyl phthalate	0.1	<0.01 <0.01
163	Lead chromate Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	0.1	<0.01
164	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	0.1	<0.01
165	Pitch, coal tar, high-temp.	0.1	<0.01
166	Tris(2-chloroethyl) phosphate	0.1	<0.01
167	4,4'- Diaminodiphenylmethane (MDA)	0.1	<0.01
168	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	0.1	<0.01
169	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	0.1	<0.01
170	Anthracene	0.1	<0.01
171	Benzyl butyl phthalate (BBP)	0.1	<0.01
172	Bis (2-ethylhexyl)phthalate (DEHP)	0.1	<0.01
173	Bis(tributyltin) oxide (TBTO)	0.1	<0.01
174	Cobalt dichloride	0.1	<0.01
175	Diarsenic pentaoxide	0.1	<0.01
176	Diarsenic trioxide	0.1	<0.01
177	Dibutyl phthalate (DBP)	0.1	<0.01
178	Hexabromocyclododecane (HBCDD)	0.1	<0.01
179	Lead hydrogen arsenate	0.1	<0.01
180	Sodium dichromate	0.1	<0.01
181	Triethyl arsenate	0.1	<0.01
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)	0.1	<0.01
183	Dicyclohexyl phthalate (DCHP)	0.1	<0.01
184	Benzo[ghi]perylene	0.1	<0.01
185	Decamethylcyclopentasiloxane (D5)	0.1	<0.01
186	Dodecamethylcyclohexasiloxane (D6)	0.1	<0.01
187	Disodium octaborate	0.1	<0.01
188	Ethylenediamine	0.1	<0.01
189	Lead	0.1	<0.01
190	Octamethylcyclotetrasiloxane (D4)	0.1	<0.01
191	Terphenyl hydrogenated	0.1	<0.01
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	0.1	<0.01
193	Benzo[k]fluoranthene	0.1	<0.01
194	Fluoranthene	0.1	<0.01
195	Phenanthrene	0.1	<0.01

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Kehua Trade Wenzhou Co., Ltd

1602 Huameng Business Sq, Luchen District, Wenzhou, Zhejiang Province

Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6.2019

TEST RESULTS

No.	<u>Analyte</u>	Requirement (Max)	Sample,% <u>A</u>
196	Pyrene	0.1	<0.01
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	0.1	<0.01
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	0.1	<0.01
199	4-tert-butylphenol	0.1	<0.01
200	2-methoxyethyl acetate	0.1	<0.01
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	0.1	<0.01
Rating			PASS

- -All concentrations expressed in percentage of tested parts
- -"<" means less than
- -Method for determination of analyte are determined by GC-MSD, ICP-OES, LC-MS-MS & UV-VIS Spectroscopy respectively.
- -The test results only apply to the items tested.
- -The metallic compounds were tested in term of their composing elements (i.e. Arsenic, Chromium, Cobalt, Lead, Tin, Aluminum, Silicon, Zirconium, Boron, Strontium, Zinc, Antimony, Barium, Titanium and Cadmium). The amount of metallic compounds were calculated by means of molecular conversion from its metal amount obtained. Additional information such as bill of substances (BOS) may need to provide for further review if the amount of metallic compounds exceed
- -When the SVHC concentrations of an article do not exceed 0.1%, the legal notification obligations to ECHA are not applicable. When the SVHC concentrations of an article exceed 0.1%, the legal notification obligations to ECHA should be further studied, depending on the annual quantities of the SVHC in the articles of the manufacturer/ importer.

Component ID	Tested Part ID
<u>A</u>	002

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Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST RESULTS

Total Phthalates Content [ROHS Directive 2015/863/EU Amending Directive 2011/65/EU Annex II]

Test Method: IEC 62321-8: 2017

Analyte	CAS No.	Requirement	Reporting	Sample, %
		<u>(Max.)</u>	<u>Limit</u>	<u>002</u>
Dibutyl Phthalate, DBP	84-74-2	0.1	0.005	<0.005
Benzyl Butyl Phthalate, BBP	85-68-7	0.1	0.005	<0.005
Diethylhexyl Phthalate, DEHP	117-81-7	0.1	0.005	<0.005
Diisobutyl Phthalate, DIBP	84-69-5	0.1	0.005	<0.005
Rating	PASS			

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⁻All concentrations expressed in percentage (%)

^{-&}quot;<" means less than

⁻Method for determination of Phthalates are determined by Gas Chromatography Mass Selective Detector (GC-MSD)

⁻The test results only apply to the items tested.



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1602 Huameng Business Sg, Luchen District, Wenzhou, Zhejiang Province

Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST RESULTS

5. ROHS DIRECTIVE (EU) 2015/863 AMENDING ANNEX II TO DIRECTIVE 2011/65/EU -SCREENING BY X-RAY FLUORESCENCE SPECTROSCOPY AND CONFIRMED BY WET CHEMICAL METHOD OF LEAD, CADMIUM, MERCURY, CHROMIUM AND BROMINATED FLAME RETARDANTS (PBB & PBDE)

TESTED MATERIAL	SCHEME	TARGET ROHS SUBSTANCES	TEST METHOD USED	XRF RESULT (in mg/kg)	CHEMICAL TEST RESULT (in mg/kg)
				Cd: N.D	
				Cr: N.D	
1	1	All	XRF	Pb: N.D	N/T
				Hg: N.D	
				Br: N.D	

Remark: in the following pages in this report:

- RL = Reporting Limits
- N.D = Not Detected (<RL)
- Detected = below the lower screening limit of table (a) and pass
- Mg/kg = parts per million = ppm
- N/T = Not teste

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Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST METHODS:

- (1) Sample prepared with reference to IEC 62321-2 Ed1.0:2013 Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjunction and mechanical sample preparation;
- (2) Sample Screening testing with reference to IEC 62321-3-1 Ed1.0:2013 Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, Cadmium, total chromium and total bromine using Xray fluorescence spectrometry;
- (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr6+.
- (b) Results are obtained by XRF for primary screening, and further chemical testing by ICP-OES(for Cd, Pb, Hg), UV-Vis(for Cr⁶⁺) and GC/MS(for PBBs, PBDEs) is recommended to be performed. XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1 Ed1.0:2013

ELEMENT	POLYMER	METALS	COMPOSITE MATERIAL
Cd	BL≤(70-3σ) <x<(130+3σ) td="" ≤ol<=""><td>BL≤(70-3σ) <x<(130+3σ) td="" ≤ol<=""><td>LOD < X < (150+3σ)≤ OL</td></x<(130+3σ)></td></x<(130+3σ)>	BL≤(70-3σ) <x<(130+3σ) td="" ≤ol<=""><td>LOD < X < (150+3σ)≤ OL</td></x<(130+3σ)>	LOD < X < (150+3σ)≤ OL
Pb	BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)></td></x<(1300+3σ)>	BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)>	BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)>
Hg	BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)></td></x<(1300+3σ)>	BL≤(700-3σ) <x<(1300+3σ) td="" ≤ol<=""><td>BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)>	BL≤(500-3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)>
Cr	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ) <x< td=""></x<></td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ) <x< td=""></x<></td></x<>	BL≤(500-3σ) <x< td=""></x<>
Br	BL≤(300-3σ) <x< td=""><td></td><td>BL≤(250-3σ) <x< td=""></x<></td></x<>		BL≤(250-3σ) <x< td=""></x<>

Note: BL = Below Limit, OL = Over Limit, LOD = Limit of Detection, -- = Not Regulated

The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

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Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST METHODS:

(3) Wet Chemical Test Method

TESTING ITEM	CHEMICAL TESTING METHOD	<u>RL</u>	<u>LIMIT</u>
Cd	With reference to IEC 62321-5 Ed1.0:2013, by acid digestion and determined by ICP-OES	2.0mg/kg	100mg/kg
Pb	With reference to IEC 62321-5 Ed1.0:2013, by acid digestion and determined by ICP-OES	2.0mg/kg	1000mg/kg
Hg	With reference to IEC 62321-4 Ed1.0:2013, by acid digestion and determined by ICP-OES	2.0mg/kg	1000mg/kg
Cr ⁶⁺ (for non-metal)	With reference to IEC 62321-7-2 Ed1.0:2017, by the colorimetric method	1.0mg/kg	1000mg/kg
Cr ⁶⁺ (for metal)	With reference to IEC 62321-7-1 Ed1.0:2015 by the colorimetric method	5.0mg/kg	1000mg/kg
PBBs Content	With reference to IEC 62321-6 Ed1.0:2015, by solvent extraction and determined by GC-MSD	5.0mg/kg	1000mg/kg
PBDEs Content	With reference to IEC 62321-6 Ed1.0:2015, by solvent extraction and determined by GC-MSD	5.0mg/kg	1000mg/kg
DEHP,BBP,DBP, DIBP	With reference to IEC 62321-8 Ed1.0:2017 by gas chromatographymass spectrometry	5.0mg/kg	1000mg/kg

Note: According to IEC 62321-7-1 Ed1.0:2015, result on Cr⁶⁺ for metal sample is shown as ND/ Actual data

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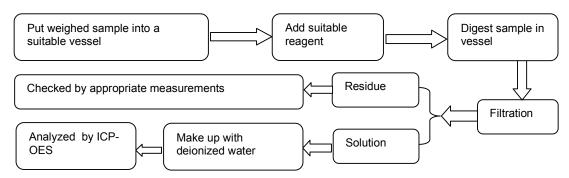
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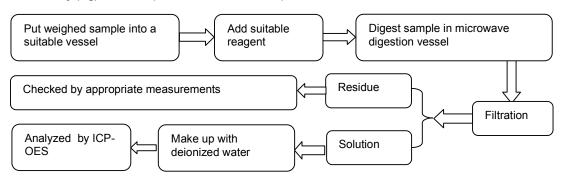
Date: Dec.6,2019

TEST PROCESS

1. Test for Lead (Pb), Cadmium (Cd) contents(IEC 62321-5 Ed1.0:2013):



2. Test for Mercury (Hg) contents (IEC 62321-4 Ed1.0:2013):



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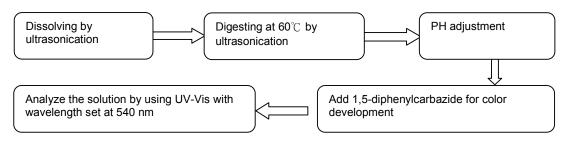
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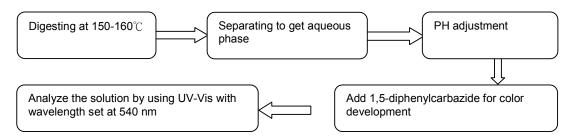
Date: Dec.6,2019

TEST PROCESS

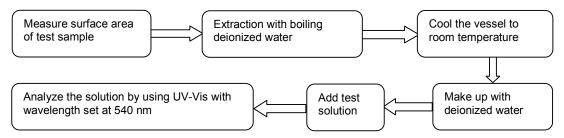
3. Test for Nonmetallic Materials Chromium(Cr(VI)) contents (IEC 62321-7-2 Ed1.0:2017): 3.1 ABS/PC/PVC



3.2 others



4. Test for metal Chromium(Cr(VI)) contents (IEC 62321-7-1 Ed1.0:2015):



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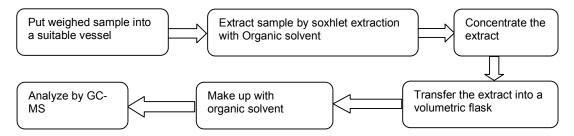
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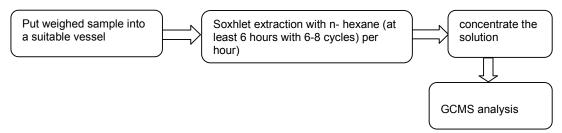
TEST PROCESS

5. Test for PBBs & PBDEs contents (IEC 62321-6 Ed1.0:2015):

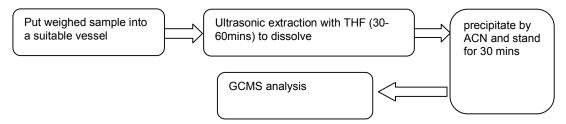


6. Test for Phthalate content (DEHP,BBP,DBP,DIBP) (IEC 62321-8 Ed1.0:2017):

6.1 Test for general polymer



6.2 Test for THF soluble polymer



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Report No.: C60731961 UL Order No.: 13151696

Date: Dec.6,2019

TEST RESULTS

- (I) Sample description:
- (1) Transplant plastic grain

(II) Photo(s) of test sample(s):



(Whole product)



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PRODUCT PHOTO:



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SZ-FAF-001 (2017-10-12)

Report No.: C60731961

UL Order No.: 13151696

Date: Dec.6,2019

UL VS Terms and Conditions / UL VS 条款及条件

All services are governed by the following Terms and Cond 所有服务均受以下条款及条件的约束。

- Willication Services. The UL Certracting Party ("we", "us", or "our" as the context requires) will perform commercial testing, verification, audit, assessment, inspection, and/or other services ("Services") in accordance with your instructions as described in this order, scope of work, project proposal, quotation, or order acknowledgment ("Quotation"). The Services will be limited to an assessment of your samples' conformity to requirements, specifications, and/or protocols you have established ("Your Requirements"), and do not express any opinion regarding the bulk from which the samples were drawn. The Services do not one of the services of t
- Retailer Programs. If you request us to test compliance with retailer, carrier or other third party program ('Retailer') by requesting Services under the Retailer's program, you consent to our disclosure of all associated information, materials, and deliverables to such Retailer and acknowledge that, notwithstanding any terms to the contrary in these Service Terms, the ownership of the deliverables for the Services will be in accordance with the Retailer's program.

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- Payment Terms. You will pay, without set off, our fees and related expenses in accordance with the Quotation including the cost of all taxes, wire or transfer fees, duties, and other fiscal charges which become due on the quoted price and will indemnify us from and against liabilities, incurred as a result of failure to pay any such sums when they become due. We may charge interest at 1% per month (12% per year), or the maximum legal rate if less than 1.0% per month, from the due date until paid fully. You agree to pay reasonable collection costs, including attorneys' fees, if necessary, in the event of late or non
 - payment. 支**付条款**·赞一料相据报价文件不做任何抵扣地向我可支付服务费等相关费用,包括所报价格上的一切极费、电正或转帐手续费、关税及其他到期时务收费、并会就因费司未能支付任何该等到期款项而产生的负债对我司进行信付,从到期日起、至足额支付止,我司既可按每月1%(即每年12%)的利率收取利息,也可接最高额法定利率(倘若该利率每月低于1.0%)收取利息,费司同意在出现延迟付款或不付款的情况下,支付合理的收帐费用(包括必要的律师费)。

- Estimated Schedule and Price. Any time schedule and pricing terms set forth in this Quotation are estimates only and subject to change upon reasonable notice from us depending upon the specific project. **责任的时间表和价格**:本报价文件中所述的任何时间表和定价条款都只是预估,如有变化(依具体项目而定),以我可的合理通知方准。
- Deliverables. We will provide you with a report outlining: (i) your instructions and request for Services accepted by us. (ii) Your Requirements used in providing the Services, (iii) the Services performed, and (iv) the results of those Services. We are under no obligation to refer to or reporture accumulations with are outside your specific instructions received and accepted by us. (iii) Your Requirements used in providing the Services, (iii) the Services performed, and (iv) the results of those Services. We are under no obligation to refer to or reporture accumulation of the services performed, and (iv) the results of those Services. We are under no obligation to refer to or reporture accumulation of the services performed, and (iv) the results of those Services. We are under no obligation to refer to or reporture accumulation of the services performed, and (iv) the results of those Services. We are under no obligation to refer to or reporture accumulation of the services performed, and (iv) the results of those Services. We are under no obligation to refer to or reporture accumulation of the services performed, and (iv) the results of those Services. We are under no obligation to refer to or reporture accumulation of the services performed, and (iv) the results of those Services. We are under no obligation to refer to or reporture accumulation of the services accumulation of the se
- Our Findings. We do not guarantee that our opinions or findings will be recognized or accepted by third parties. **我可的发现**:我可不保证我可的意见或发现会被第三方认可或接受。
- Use of Names and Marks. Except as otherwise authorized by us in writing, you will not use our name, abbreviation, symbols, marks, or the name of any of our subsidiaries, affiliates, or parent on any goods or their containers or packaging, or in connection with any advertising, promotions, or othe **名称的标记的使用**:除我可另予有面接权外,费可不会在任何货物或其容器或包装上,使用我可的名称,维写、符号、标记或我可的任何子公司、关联方或母公司的名称,或科之与任何广告,推广或其能方面相联系。
- Cancellation Fees. If you cancel or change a Quotation: (i) for an inspection after 3.00 PM of the working day before the scheduled until date, you will be responsible for all incurred before the cancellation; (ii) for testing after we receive the sample(s) at the testing facility, we will charge you cancellation fees according to the amount of actual work performed with a minimum cancellation fee of \$100 USD; or (iii) for a scheduled until date, you will be responsible for all incurred non-refundable travel costs associate with that audit. Any change or cancellation of an audit that occurs within 7 days of the scheduled audit will be charged a \$300 USD fee in addition to any incurred travel costs.

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- NO Warranty. NO REPRESENTATION, WARRANTY, OR GUARANTEE, EXPRESS OR IMPLIED, IS INCLUDED IN THESE TERMS AND CONDITIONS, OR IN ANY QUOTATION, REPORT, OR OTHER DOCUMENT PROVIDED UNDER THESE TERMS AND CONDITIONS INCLUDING, BUT NOT LIMITED TO: (i) ANY "IMPLIED WARRANTY OF MERICANTAGE INTO "REPORT AND A PARTICULAR PURPOSE". (ii) NON-INFRINGEMENT, AND (iii) THAT THE WES SERVICES (AS DEFINED BELOW) WILL BE UNINITERRUPTED, TIMELY, SECURE, OR ERROR-FREE.

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- 13. Ownership of Work Product. You will own the test reports or other materials provided to you pursuant to any Quotation. We may retain a copy of the test reports and other materials for our archives and for creating reports for you and third parties, as required by you. 工作产品的清澈:贵可将拥有根据任何报价文件提供给费可的测试报告或其格材料。应费可要求,我可可为我可存档以及为费可和第三方创建报告之目的,保留测试报告和其他材料的副本。
- Web Services. We may provide you with certain website tools and related services, including the ability to order services online through a website (collectively, the "Web Services are provided to you as a convenience and are provided on an "as is, as available" basis. By using the Web Services, you acknowledge that if you wint to protectly our transmission of data or first to the service provides may be detected, modified or damaged. You acknowledge that if you wint to protectly our transmission of data or first to to, it is you responsibility to use a secure encrepted connection to communicate with and use the two Services as you use of the Web Services is at your separation of data or first to to, it is you responsibility to use a secure encrepted connection to communicate with and use the two Services as your use of the Web Services is at your separation of data or first to to, it is you responsibility to use a secure encrepted connection to communicate with and use the two Services as your use of the Web Services is at your separation of data or first to to, it is your responsibility to use a secure encrepted connection to communicate with and use the two Services as your or services as your than a connection of services as your temporary or the services and the definition of Services and your temporary or the services 14.

- Confidentiality. We will not disclose your information obtained in confidence ("Confidential Information") to third parties, except our subsidiaries, affiliates, or subcontractors, without your prior written authorization. Confidential Information will not include information: (a) aiready known to us, (b) publicly available, (c) subsequently acquired by us from other sources without a breach of these Terms and Conditions, (d) disclosure that is necessary to perform the Services, (e) required to be produced by law or government order, or accreditation authority, or (f) related to a product bearing a UL Mark that should be disclosed to use or un affiliates presented with your purpose that present with your prior written authority, or (f) related to a product bearing a UL Mark that should be disclosed to use or un affiliates by present to a present purpose that purpose the purpose that purpose the purpose that purpose the purpose that purpose the purpose that purpose that purpose the purpose that purpo
- imination, you will ship samples to us at your expense. Upon completion of testing, the samples will be destroyed, unless other arrangements are made for return of the samples at your expense. You acknowledge that testing and sample preparation may damage or destroy the sjs), for which we will not be liable. 如果我可要求做抽样检查,贵司会将样品运至我可,费用由贵可承担,漏试完成后,样品会被辨毁,除非贵可做出安排自费将样品运回贵可,贵可承认,测试和样品准备工作都可能会膨坏或破坏样品,对此我可将不承担责任。
- LIMITATION OF LIABILITY. OUR LIABILITY FOR ANY CLAIMS FOR LOSS, DAMAGE, OR EXPENSE OF ANY NATURE AND HOWSOEVER ARISING FOR ANY BREACH OF CONTRACT AND/OR ANY FAILURE TO EXERCISE APPROPRIATE SKILL AND CARE BY US WILL UNDER NO CIRCLIMSTANCE EXCEED THE FEES RECEIVED FOR THE SPECIFIC SERVICES WHICH GIVE RISE TO SUCH CLAIMS. LINDER NO CIRCLIMSTANCE WILL WE HAVE ANY LIABILITY FOR ANY CLAIMS FOR INDIRECT. CONSEQUENTIAL, INDIDENTIAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES OR ANY NATURE WHATSOEVER, INCLUDING BUT NOT INITIFE TO IT. SOS. OF PROPERTING SOON, CANCELLATION OF CONTRACTS ENTERED INTO BY YOU. OR OTHER INTAMIGIBLE LOSS. SEE (VEN IN FUR HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES). UNDER NO CIRCLIMSTANCE WILL WE BE LIABLE TO YOU FOR ANY CLAIMS FOR LOSS. DAMAGE, OR EXPENSE UNLESS SUCH CLAIM IS BROUGHT UNDER SECTION 24 (DISPUTES) WITHIN TWELVE MONTHS AFTER THE DATE OF THE PERFORMANCE BY US OF THE SERVICES SHIPLD IN CLAIM OR. IN THE EVENT OF ANY ALLEGED NON-PROPORMANCE, WITHIN TWELVE MONTHS OF THE DATE WHEN SUCH SERVICES SHOULD HAVE SEEN COMMETTED.

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- Indemnification. You will defend, hold harmless, and indemnify us and our officers, directors, trustees, employees, agents, or subcontractors against all claims made by any third party for loss, damage, or expense arising out of these Terms and Conditions, including without limitation, the performance or nonindemnification. You will oriend, hold harmless, and noteminity us and our officers, directors, trustees, employees, agents, or succontractors against all claims made by any timic party for loss, damage, or expense arising out of thress Lerms and Conditions, including without fundation, the performance of an operation systems or the Web Services.

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- 19. Waiver. Any failure by a party to insist upon the performance of any section of these Terms and Conditions will not constitute a waiver of any rights under these Terms and Conditions or future performance of that section.
- No Assignment. Neither party may assign any of its rights or obligations under these Terms and Conditions to any other person without the other party's written authorization. However, we may, upon written notice, assign our rights and obligations under these Terms and Conditions to any other person without the other party's written authorization. However, we may, upon written notice, assign our rights and obligations under these Terms and Conditions to any other person without the other party's written authorization. However, we may, upon written notice, assign our rights and obligations under these Terms and Conditions to any other person without the other party's written authorization. However, we may, upon written notice, assign our rights and obligations under these Terms and Conditions to any of our a SUDSUID INS. 不**经验**性: EF 一方不得在未经另一方书面授权的情况下,将其在本条款及条件項下的任何权利或义务转让给他人。但是,我可可经书面通知,将我可在本条款及条件项下的各项权利和义务转让给我可的任何关联方或子公司。
- 22 Subcontracting. We may use subcontractors for certain testing or other Services. All subcontractors will meet our current qualification requirements and will comply with our requirements for confidentiality, conflicts of interest, and ethical standards. 分包: 我可使用分包离进行某些测试或提供其他服务。所有分包离基符合我可目前的资质要求,并将遵守我可讨保密性、利益冲突和进根标准的要求。
- Termination and Notice. These Terms and Conditions will continue in effect until terminated by either party upon thirty days written notice or, in the event of your breach of these Terms and Conditions, immediately upon receipt of written notice to you. You will pay those fees and expenses incurred by us prior to termination. Notice to either party may be made by hand delivery, courier service, mail, facsimile, or e-mail transmiss of the receiving party designated principal place of business. Notice to us must be sent both to: U. Verification Services Pte. Ltd. Atm. President, 1 Manifrime Square, Pathour Front Centre, #11-03, Singapore 099253 with an open party of the pa

犯其知识产权。所有仲裁都将以英文进行

- Order of Precedence. Except for conflicts with Section 3 (Payment Terms), Section 5 (Estimated Schedule and Price) and Section 10 (Cancellation Fees), these Terms and Conditions will take precedence over any conflicting terms in any Quotation. 化角膜下 無非与第3条 (文付条款)、第5条 (例话控制间表的价格)和第10条(取消费)冲突,各侧,本各数方条件组件条件存储格价文件中的存储加速条数。
- 不可抗力:任何