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Sample Photo:





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Applicant:	Forbest Manufacturing Co.,Ltd
Attention:	Ms Jenny
Address:	Fulian industrial Longhua Town Shenzhen city Guangdong province China

SAMPLE INFORMATION			
Sample Description:	Silicone Sponge Tube		
Style / Item No.:	NA	Quantity:	1pc
Buyer:	NA	Color:	Red
Supplier:	Forbest Manufacturing Co Ltd	P. O. / Order No.:	NA
Labeled Age Grade:	NA	Material Type:	NA
Requested Age Grade:	NA	Country of Origin:	China
Tested Age Grade:	NA	Country of Destination:	NA

TEST INFORMATION			
Sample Submitted by:	Applicant		
Sample Status:	NA	Previous Report No.:	NA
Date of Submission:	May 19,2020		
Test Performance Dates:	May 19,2020- May 25,2020		

Testing Result Summary			
TEST REQUEST	PASS	FAIL	REMARK
Heavy Metals and Flame Retardant Test – Commission Delegated Directive (EU) 2015/863 Amending Annex II of Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU	X	--	See Results on Page 3-4
Phthalates Test – Commission Delegated Directive (EU) 2015/863 Amending Annex II of Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU	X	--	See Results on Page 4-5
205 Substances of Very High Concern (SVHC) Test based on the SVHC Candidate List published by European Chemicals Agency (ECHA) on July 16, 2019 regarding Regulation (EC) No. 1907/ 2006 concerning the REACH	X	--	See Results on Page 5-10

For and on behalf of
Modern Testing Services (Dongguan)Limited

Carol Ke, Chemical Senior Manager



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COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	Red plastic (Silicone Sponge Tube)

TEST RESULT:

1. Heavy Metals and Flame Retardant Test – Commission Delegated Directive (EU) 2015/863 Amending Annex II of Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU

Test Item	XRF Result (mg/kg)		Chemical Confirmation Result (mg/kg)	Conclusion
A	Pb	BL	NT	PASS
	Cd	BL		
	Cr	BL		
	Hg	BL		
	Br	BL		

Pb = Lead, Cd = Cadmium, Cr = Chromium, Hg = Mercury, Br = Bromine, Cr (VI) = Chromium (VI)

BL = Below limit (The concentration of particular element detected from XRF is lower than the requirement of that element minus the uncertainty of the instrument.)

OL = Over limit (The concentration of particular element detected from XRF is higher than the requirement of that element plus the uncertainty of the instrument.)

IN = Inconclusive (The concentration of particular element detected from XRF is in the range of the requirement plus or minus the uncertainty.)

ND = Not detected (Laboratory reporting limit of chemical confirmation test = 10 mg/kg for Pb, Cd, Hg, 50 mg/kg for Cr (VI), 50 mg/kg for PBBs and PBDEs individually)

Method: XRF Screening:

With reference to the test procedure for the screening of Lead, Mercury, Cadmium, Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Biphenyl Ethers (PBDEs) content according to IEC 62321 (Edition 1.0) Chapter 3-1.

Chemical Confirmation Test:

With reference to the test procedure for the Wet Chemistry Tests of Lead, Mercury, Cadmium, Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Biphenyl Ethers (PBDEs) content according to IEC 62321 (Edition 1.0):

Lead (Pb) and Cadmium (Cd):

The sample is comminuted and digested with acid mixtures. Pb/Cd contents are determined with ICP-AES technique. (Chapter 5)

Mercury (Hg):

The sample is comminuted and digested with acid mixtures. Hg content is determined with ICP-AES, ICP-MS or AAS-VGA technique. (Chapter 4)

Chromium (VI) (Cr VI):

1) Metal: Qualitative method for the presence of hexavalent chromium on metal surface on "Test for the presence of Hexavalent Chromium (CrVI) in colorless and colored chromated coating on metals". The presence of hexavalent chromium is indicated by the formation of a red-violet color. The method is applied in turn to 1) untreated surface; 2) surface finely abraded to remove any reduced chromate surface but not remove the whole chromate layer; 3) surface vigorously abraded to exposure deeper layers. The sample is further verified by boiling water extraction method if the spot test result is uncertain. (Chapter 7-1)

2) Plastics & Electronics: The sample is comminuted and digested with alkaline mixtures. Chromium VI content is determined with UV-VIS spectroscopic technique. (Chapter 7-2)

PBBs and PBDEs:

The sample extracted by appropriate solvent is used for extraction and quantified GC-MS. (Chapter 6)

Remark: The calculation of the uncertainty for heavy metals is estimated according to the IEC 62321-3-1 and it is set at

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30%. The detection of Bromine element acts as the screening of brominated flame retardant, and all positive detection shall be concluded by wet chemistry tests.

Requirements for RoHS Directive 2011/65/EU

Regulated Substances	Pb	Cd	Cr (VI)	Hg	PBBs	PBDEs
RoHS Limit (mg/kg)	1000	100	1000	1000	1000 (sum)	1000 (sum)

List of Banned PBBs and PBDEs:

Polybrominated Biphenyls (PBBs)	Polybrominated Diphenyl Ethers (PBDEs)
Bromobiphenyls,	Bromodiphenyl ethers
Dibromobiphenyls	Dibromodiphenyl ethers
Tribromobiphenyls	Tribromodiphenyl ethers
Tetrabromobiphenyls	Tetrabromodiphenyl ethers
Pentabromobiphenyls	Pentabromodiphenyl ethers
Hexabromobiphenyls	Hexabromodiphenyl ethers
Heptabromobiphenyls	Heptabromodiphenyl ethers
Octabromobiphenyls	Octabromodiphenyl ethers
Nonabromobiphenyl	Nonabromodiphenyl ethers
Decabromobiphenyl	Decabromodiphenyl ether

Note: mg/kg = milligram per kilogram
 "<" = less than
 ">" = more than

2. Phthalates Test – Commission Delegated Directive (EU) 2015/863 Amending Annex II of Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU

Test Item	Result (%)				Conclusion
	DEHP	BBP	DBP	DIBP	
A	<0.005	<0.005	<0.005	<0.005	PASS
Maximum Concentration Value	0.1	0.1	0.1	0.1	-

Method: With reference to IEC 62321, Chapter 8

Remark:

- The Directive (EU) 2015/863 shall be applied from July 2019.
- The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including *in vitro* medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.
- The restriction of DEHP, BBP, DBP and DIBP shall not apply to cables or spare parts for the repair, the reuse, the updating of functionalities or upgrading of capacity of EEE placed on the market before 22 July 2019, and of medical devices, including *in vitro* medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, placed on the market before 22 July 2021.
- The restriction of DEHP, BBP and DBP shall not apply to toys which are already subject to the restriction of DEHP, BBP and DBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.

List of Banned Phthalates:

Chemical Name	CAS No.	Chemical Name	CAS No.
Dibutyl phthalate (DBP)	84-74-2	Bis-2-ethylhexyl phthalate (DEHP)	117-81-7



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Butyl benzyl phthalate (BBP)	85-68-7	Diisobutyl phthalate (DIBP)	84-69-5
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Note: % = percentage (1% = 10,000 mg/kg)
 "<" = less than
 ">" = more than

3. 205 Substances of Very High Concern (SVHC) Test based on the SVHC Candidate List published by European Chemicals Agency (ECHA) on July 16, 2019 regarding Regulation (EC) No. 1907/2006 concerning the REACH

Test Item	Detected Chemicals	Result (%)	Limit	Conclusion
A		<0.01	0.1	PASS

Method: Sample was tested as composite mixture and extracted and digested with reference to USEPA 3051A, USEPA 8270D, EN ISO 17353 and analyzed by Inductively Coupled Argon Plasma Spectrometer, Inductively Coupled Plasma Mass Spectrometer, Liquid Chromatography Mass Spectrometer, Gas Chromatograph Mass Spectrometer and Gas Chromatograph Electron Capture Detector.

Note: % = percentage
 "<" = less than

List of SVHC:

	Substance Name	CAS No.	EC No.
1	*Triethyl arsenate	15606-95-8	427-700-2
2	*Diarsenic pentaoxide	1303-28-2	215-116-9
3	*Diarsenic trioxide	1327-53-3	215-481-4
4	*Cobalt dichloride	7646-79-9	231-589-4
5	*Sodium dichromate	7789-12-0 10588-01-9	234-190-3
6	*Lead hydrogen arsenate	7784-40-9	232-064-2
7	Dibutyl phthalate (DBP)	84-74-2	201-557-4
8	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7
9	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0
10	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4
11	Anthracene	120-12-7	204-371-1
12	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4
13	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	3194-55-6 25637-99-4 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 and 221-695-9
14	# Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0
15	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5
16	2,4-Dinitrotoluene	121-14-2	204-450-0
17	^a Anthracene oil	90640-80-5	292-602-7
18	^a Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5
19	^a Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9
20	^a Anthracene oil, anthracene-low	90640-82-7	292-604-8
21	^a Anthracene oil, anthracene paste	90640-81-6	292-603-2
22	Diisobutyl phthalate	84-69-5	201-553-2
23	*Lead Chromate	7758-97-6	231-846-0
24	*Lead Chromate Molybdate Sulfate Red (C.I. Pigment Red 104)	12656-85-8	235-759-9
25	*Lead Sulfochromate Yellow	1344-37-2	215-693-7

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	Substance Name	CAS No.	EC No.
	(C.I. Pigment Yellow 34)		
26	Acrylamide	79-06-1	201-173-7
27	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5
28	Coal tar pitch, high temperature	65996-93-2	266-028-2
29	Trichloroethylene	79-01-6	201-167-4
30	*Boric acid	10043-35-3 / 11113-50-1	233-139-2 / 234-343-4
31	*Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	215-540-4
32	*Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3
33	*Sodium chromate	7775-11-3	231-889-5
34	*Potassium chromate	7789-00-6	232-140-5
35	*Ammonium dichromate	7789-09-5	232-143-1
36	*Potassium dichromate	7778-50-9	231-906-6
37	*Cobalt (II) sulphate	10124-43-3	233-334-2
38	*Cobalt (II) dinitrate	10141-05-6	233-402-1
39	*Cobalt (II) carbonate	513-79-1	208-169-4
40	*Cobalt (II) diacetate	71-48-7	200-755-8
41	2-Methoxyethanol	109-86-4	203-713-7
42	2-Ethoxyethanol	110-80-5	203-804-1
43	*Chromium trioxide	1333-82-0	215-607-8
44	* Chromic acid, *Oligomers of chromic acid and dichromic acid, *Dichromic acid	7738-94-5 -- 13530-68-2	231-801-5 -- 236-881-5
45	2-ethoxyethyl acetate	111-15-9	203-839-2
46	*Strontium chromate	7789-06-2	232-142-6
47	1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNU)	68515-42-4	271-084-6
48	Hydrazine	7803-57-8 302-01-2	206-114-9
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1
50	1,2,3-trichloropropane	96-18-4	202-486-1
51	1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1
52	*Zirconia Aluminosilicate Refractory Ceramic Fibres	--	--
53	*Calcium arsenate	7778-44-1	231-904-5
54	Bis(2-methoxyethyl) ether	111-96-6	203-924-4
55	*Aluminosilicate Refractory Ceramic Fibres	--	--
56	*Potassium hydroxyoctaoxodizincate dichromate	11103-86-9	234-329-8
57	*Lead dipicrate	6477-64-1	229-335-2
58	N,N-dimethylacetamide	127-19-5	204-826-4
59	*Arsenic acid	7778-39-4	231-901-9
60	2-Methoxyaniline / o-Anisidine	90-04-0	201-963-1
61	*Trileaddiarsenate	3687-31-8	222-979-5
62	1,2-dichloroethane	107-06-2	203-458-1
63	*Pentazinc chromate octahydroxide	49663-84-5	256-418-0
64	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2
65	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1
66	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6
67	*Lead diazide, Lead azide	13424-46-9	236-542-1
68	*Lead styphnate	15245-44-0	239-290-0
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9

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	Substance Name	CAS No.	EC No.
70	Phenolphthalein	77-09-8	201-004-7
71	*Dichromium tris(chromate)	24613-89-6	246-356-2
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9
74	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2
75	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5
76	[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
77	[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
78	*Diboron trioxide	1303-86-2	215-125-8
79	Formamide	75-12-7	200-842-0
80	*Lead(II) bis(methane sulfonate)	17570-76-2	401-750-5
81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2
82	^s TGIC (1,3,5-tris (oxiranylmethyl) -1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3
83	^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
84	α,α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2
87	Tricosafuorododecanoic acid	307-55-1	206-203-2
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8
91	Cyclohexane-1,2-dicarboxylic anhydride ^[1] cis-cyclohexane-1,2-dicarboxylic anhydride ^[2] trans-cyclohexane-1,2-dicarboxylic anhydride ^[3] <i>[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].</i>	85-42-7	201-604-9
		13149-00-3	236-086-3
		14166-21-3	238-009-9
92	Hexahydromethylphthalic anhydride ^[1] , Hexahydro-4-methylphthalic anhydride ^[2] , Hexahydro-1-methylphthalic anhydride ^[3] , Hexahydro-3-methylphthalic anhydride ^[4] <i>[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]</i>	25550-51-0	247-094-1
		19438-60-9	243-072-0
		48122-14-1	256-356-4
		57110-29-9	260-566-1
93	4-Nonylphenol, branched and linear <i>[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]</i>	--	--
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	--	--
95	Methoxyacetic acid	625-45-6	210-894-6
96	N,N-dimethylformamide	68-12-2	200-679-5
97	*Dibutyltin dichloride (DBTC)	683-18-1	211-670-0
98	*Lead monoxide (Lead oxide)	1317-36-8	215-267-0
99	*Orange lead (Lead tetroxide)	1314-41-6	215-235-6
100	*Lead bis(tetrafluoroborate)	13814-96-5	237-486-0
101	*Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6
102	*Lead titanium trioxide	12060-00-3	235-038-9
103	*Lead titanium zirconium oxide	12626-81-2	235-727-4

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104	*Silicic acid, lead salt	11120-22-2	234-363-3
105	*Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped[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	272-271-5
106	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0
107	Methyloxirane (Propylene oxide)	75-56-9	200-879-2
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2
109	Diisopentylphthalate (DIPP)	605-50-5	210-088-4
110	N-pentyl-isopentylphthalate	776297-69-9	--
111	1,2-diethoxyethane	629-14-1	211-076-1
112	*Acetic acid, lead salt, basic	51404-69-4	257-175-3
113	*Lead oxide sulfate	12036-76-9	234-853-7
114	*[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5
115	*Dioxobis(stearato)trilead	12578-12-0	235-702-8
116	*Fatty acids, C16-18, lead salts	91031-62-8	292-966-7
117	*Lead cyanamate	20837-86-9	244-073-9
118	*Lead dinitrate	10099-74-8	233-245-9
119	*Pentaleadtetraoxide sulphate	12065-90-6	235-067-7
120	*Pyrochlore, antimony lead yellow	8012-00-8	232-382-1
121	*Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1
122	*Tetraethyllead	78-00-2	201-075-4
123	*Tetralead trioxide sulphate	12202-17-4	235-380-9
124	*Trilead dioxide phosphonate	12141-20-7	235-252-2
125	Furan	110-00-9	203-727-3
126	Diethyl sulphate	64-67-5	200-589-6
127	Dimethyl sulphate	77-78-1	201-058-1
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7
130	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8
131	4,4'-oxydianiline and its salts	101-80-4	202-977-0
132	4-aminoazobenzene	60-09-3	200-453-6
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1
134	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1
135	Biphenyl-4-ylamine	92-67-1	202-177-1
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	202-591-2
137	o-toluidine	95-53-4	202-429-0
138	N-methylacetamide	79-16-3	201-182-6
139	Cadmium	7440-43-9	231-152-8
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9
142	Dipentyl phthalate (DPP)	131-18-0	205-017-9
143	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 well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	--	--
144	*Cadmium oxide	1306-19-0	215-146-2
145	*Lead di(acetate)	301-04-2	206-104-4
146	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
147	Trixylyl phosphate	25155-23-1	246-677-8

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	Substance Name	CAS No.	EC No.
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9
149	Dihexyl phthalate	84-75-3	201-559-5
150	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
151	*Cadmium sulphide	1306-23-6	215-147-8
152	*Cadmium chloride	10108-64-2	233-296-7
153	*Sodium peroxometaborate	7632-04-4	231-556-4
154	*Sodium perborate; perboric acid, sodium salt	--	239-172-9 234-390-0
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5
156	*Cadmium fluoride	7790-79-6	232-222-0
157	*Cadmium sulphate	10124-36-4 31119-53-6	233-331-6
158	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6
159	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8
160	2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4
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)	-	-
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyldiesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1
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 there]	-	-
164	Nitrobenzene	98-95-3	202-716-0
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(secbutyl)phenol (UV-350)	36437-37-3	253-037-1
167	1,3-propanesultone	1120-71-4	214-317-9
168	Perfluorononane-1-oic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3
169	Benzo[def]chrysene (benzo[a]pyrene)	50-32-8	200-028-5
170	4-tert-pentylphenol (PTAP)	80-46-6	201-280-9
171	4-heptylphenol, branched and linear (4-HPbl)	-	-
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2	206-400-3
173	4,4'-isopropylidenediphenol (Bisphenol A)	80-05-7	201-245-8
174	Perfluorohexane-1-sulphonic acid and its salts	-	-
175	Benz[a]anthracene	56-55-3 1718-53-2	200-280-6
176	Cadmium carbonate	513-78-0	208-168-9
177	Cadmium hydroxide	21041-95-2	244-168-5
178	Cadmium nitrate	10022-68-1 10325-94-7	233-710-6
179	Chrysene	218-01-9 1719-03-5	205-923-4
180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	-	-
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde	-	-

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	Substance Name	CAS No.	EC No.
	and 4-heptylphenol, branched and linear (RP-HP)		
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7	209-008-0
183	Benzo[ghi]perylene	191-24-2	205-883-8
184	Decamethylcyclotrasiloxane	541-02-6	208-764-9
185	Dicyclohexyl phthalate	84-61-7	201-545-9
186	Disodium octaborate	12008-41-2	234-541-0
187	Dodecamethylcyclohexasiloxane	540-97-6	208-762-8
188	Ethylenediamine	107-15-3	203-468-6
189	Lead	7439-92-1	231-100-4
190	Octamethylcyclotetrasiloxane	556-67-2	209-136-7
191	Terphenyl, hydrogenated	61788-32-7	262-967-7
192	Pyrene	204-927-3	129-00-0; 1718-52-1
193	Phenanthrene	201-581-5	85-01-8
194	Fluoranthene	205-912-4	206-44-0; 93951-69-0
195	Benzo[k]fluoranthene	205-916-6	207-08-9
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	--	--
199	4-tert-butylphenol	202-679-0	98-54-4
200	2-methoxyethyl acetate	203-772-9	110-49-6
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof	-	-
202	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-
203	Diisohexyl phthalate	71850-09-4	276-090-2
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3
206	1-vinylimidazole	1072-63-5	214-012-0
207	2-methylimidazole	693-98-1	211-765-7
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0
210	Resorcinol	108-46-3	203-585-2

Remark:

- * - The concentration of list substances were calculated as selected element(s).
- # - The concentration of Bis(tributyltin) oxide TBTO and Dibutyltin dichloride DBTC were calculated based on Tributyltin, TBT and Dibutyltin, DBT amount in sample, respectively. The result covers TBTO with other salts of TBT and DBTC with other salts of DBT under current technologies. Further investigation is required to determine the exact amount of TBTO and DBTC in sample.
- a - The anthracene oil derivatives are complex and consists of variable compositions of Polycyclic Aromatic Hydrocarbons (PAHs) and Carbazoles. The amount of Anthracene oil derivatives are calculated by the composition of PAHs and Carbazoles found in sample.
- § - TGIC (1,3,5-tris (oxiranylmethyl) -1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) and β -TGIC (1,3,5-tris [(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) are reported as a mixture.
- The chemical analysis of the Substance of Very High Concern is performed by currently available analytical techniques against the candidate list published by ECHA on January 16, 2020. This list was not finalized by ECHA and it may subject to change in the future.

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

NOTE:

If there is question or concern regarding the above results, please contact us via email cs04@mts-china.com.

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