

Test Report

Report No.: AGC01673200304-004

Date: Apr.09, 2020

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Applicant: Favorite Logistics B.V.
Address: Het Eek 1, 4004 LM, Tiel, The Netherlands
Test site: 1,6/F.,Building 2,Sanwei Chaxi Industrial Park,Sanwei Community,Hangcheng Street,Baoan Distrist,Shenzhen,Guangdong,China

Report on the submitted samples said to be:

Sample Name : Glass water bottle with neoprene cover
Model No. : PO1482
Item No. : 9301
Supplier :
Supplier Address :
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Receiving Date : Mar.20, 2020
Testing Period : Mar.20, 2020 to Apr.09, 2020

Test Requested: : Please refer to next page(s).
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).

Approved by:

Liulinwen, Lewis

Technical Director



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Test Requested:

1. As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to screen two hundred and five (205) Substances of Very High Concern (SVHC) in the submitted sample. The list is the one that is published by European Chemicals Administration (ECHA) on January 16, 2020.

The concentrations of tested SVHC are $\leq 0.1\%$ (W/W) in the tested sample.

2. As specified by client, to determine the Cadmium(Cd)content in the submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.

3. As specified by client, to determine the Polycyclic Aromatic Hydrocarbons (PAHs) content in the submitted sample(s) with reference to entry 50, Annex XVII of the REACH Regulation (EC) No 1907/2006.

4. As specified by client, to determine the phthalates content in the submitted sample(s) with reference to entry 51 and its amendment (EU)2018/2005& entry 52, Annex XVII of the REACH Regulation (EC) No 1907/2006 and Amendment Regulation (EC) No 552/2009.

5. As specified by client, to determine Azocolourants and Azodyes in the submitted sample with reference to Entry 43, Annex XVII of the REACH Regulation (EC) No 1907/2006.

6. As specified by client, to determine the formaldehyde content in the submitted sample with reference to Standard 100 by OEKO-TEX(2019).

7. As specified by client, to test sample with reference to German Food, Articles of Daily Use and Feed Code of September, 2005(LFGB), Section 30 & 31 for:

- Sensory analysis

8. As specified by client, to test sample with reference to German Food, Articles of Daily Use and Feed Code of September, 2005(LFGB), Section 30 & 31, DIN 51032 for:

-Leachable Lead, Cadmium (inner immersion)

9. As specified by client, to test sample with reference to German Food, Articles of Daily Use and Feed Code of September, 2005(LFGB), Section 30 & 31, Regulation 1935/2004/EC, Regulation (EU) No.10/2011, (EU)2016/1416&(EU)2017/752 for:

- Color Migration (3% (w/v) Acetic acid, 10% ethanol)

- Overall Migration (3% (w/v) Acetic acid, 10% ethanol)

- Total Lead and Cadmium content

- Specific Migration of Heavy metals

10 As specified by client, to test sample with reference to Regulation 1935/2004/EC and Council of Europe Resolution AP (2004) 5 for silicone:

- Overall Migration(3%(w/v) Acetic acid, 10% (v/v) Ethanol)

Conclusion

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

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Test Result(s):

1. Test result of REACH

Sample Name.	Part No.	Test Point Description
Glass water bottle with neoprene cover	1	Non-metal
	2	Metal

Test Result:

Part No.	Substances Name	Test Result(%)		RL(%)
		Test Data	The Whole Sample	
1	All test SVHC in candidate list	N.D.	N.D.	0.01
2		N.D.		

Remarks:

- 1.If a SVHC found over 0.1%, 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.
2. The report limit (RL)= Results below this value will be stated as N.D.
3. N.D.=Not Detected (<report limit)
4. As specified by client, the submitted samples were mixed to test.

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Substance information & Method:

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	
First batch					
1	Anthracene	AfPS ProdSG:2014 GC-MS	120-12-7	204-371-1	
2	4,4'-Diaminodiphenylmethane	EPA 3550C:2007& EPA 8270D:2014 GC-MS	101-77-9	202-974-4	
3	Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	84-74-2	201-557-4	
4	Bis(2-ethylhexyl)phthalate (DEHP)		117-81-7	204-211-0	
5	Benzyl butyl phthalate (BBP)		85-68-7	201-622-7	
6	Bis(tributyltin)oxide (TBTO)	ISO17353:2004(E) GC-MS	56-35-9	200-268-0	
7	5-tert-butyl-2,4,6-trinitro-m-xylene	EPA 3550C:2007& EPA 8270D:2014 GC-MS	81-15-2	201-329-4	
8	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:(α -HBCDD, β -HBCDD, γ -HBCDD)		25637-99-4 3194-55-6 (134237-51-7 134237-50-6 134237-52-8)	247-148-4 221-695-9	
9	Alkanes, C10-13 chloro (short chain chlorinated paraffins, SCCP)		85535-84-8	287-476-5	
10	Lead hydrogen arsenate*		EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7784-40-9	232-064-2
11	Triethyl arsenate*			15606-95-8	427-700-2
12	Diarsenic pentaoxide *	1303-28-2		215-116-9	
13	Diarsenic trioxide*	1327-53-3		215-481-4	
14	Cobalt dichloride*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 &EN14582:2016 ICP-OES &IC	7646-79-9	231-589-4	
15	Sodium dichromate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7789-12-0 10588-01-9	234-190-3	

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Second batch				
16	^① Anthracene oil	AfPS ProdSG:2014 GC-MS	90640-80-5	292-602-7
17	^① Anthracene oil, anthracene paste, distn. Lights		91995-17-4	295-278-5
18	^① Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9
19	^① Anthracene oil, anthracene-low		90640-82-7	292-604-8
20	^① Anthracene oil, anthracene paste		90640-81-6	292-603-2
21	Diisobutyl phthalate (DIBP)	EN 14372:2004 GC-MS	84-69-5	201-553-2
22	2,4-Dinitrotoluene (2,4-DNT)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	121-14-2	204-450-0
23	^② Lead chromate	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7758-97-6	231-846-0
24	^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***		12656-85-8	235-759-9
25	^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)		1344-37-2	215-693-7
26	^① Pitch, coal tar, high temp.	AfPS ProdSG:2014 GC-MS	65996-93-2	266-028-2
27	Tris(2-chloroethyl) phosphate(TCEP)	EPA 3540C:1996& EPA 8270D:2014 GC-MS	115-96-8	204-118-5
28	Acrylamide	EPA 3550C:2007& EPA 8321B:2007 HPLC	79-06-1	201-173-7
Third batch				
29	Trichloroethylene	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-01-6	201-167-4
30	Boric acid*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10043-35-3 11113-50-1	233-139-2 234-343-4

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
31	Disodium tetraborate, anhydrous*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	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*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	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
Fourth batch				
37	Chromium trioxide*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	1333-82-0	215-607-8
38	2-Methoxyethanol	EPA 3550C:2007& EPA 8270D:2014 GC-MS	109-86-4	203-713-7
39	2-Ethoxyethanol		110-80-5	203-804-1
40	Cobalt(II) diacetate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	71-48-7	200-755-8
41	Cobalt(II) carbonate*		513-79-1	208-169-4
42	Cobalt(II) dinitrate*		10141-05-6	233-402-1
43	Cobalt(II) sulphate*		10124-43-3	233-334-2
44	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid*, Dichromic acid*, Oligomers of chromic acid and dichromic acid*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7738-94-5 13530-68-2	231-801-5 236-881-5
Fifth batch				
45	2-ethoxyethyl acetate	EPA 3550C:2007& EPA 8270D:2014 GC-MS	111-15-9	203-839-2
46	Strontium chromate *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7789-06-2	232-142-6

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
47	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	EN 14372:2004 GC-MS	68515-42-4	271-084-6
48	Hydrazine	EPA 3550C:2007& EPA 8270D:2014 GC-MS	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 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	EN 14372:2004 GC-MS	71888-89-6	276-158-1
Sixth batch				
52	Dichromium tris(chromate) *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	24613-89-6	246-356-2
53	Potassium hydroxyoctaoxodizincate di-chromate*		11103-86-9	234-329-8
54	Pentazinc chromate octahydroxide ***	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	49663-84-5	256-418-0
55	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	EPA 3550C:2007& EPA 8321B:2007 HPLC	25214-70-4	500-036-1
56	Bis(2-methoxyethyl) phthalate (DMEP)	EN 14372:2004 GC-MS	117-82-8	204-212-6
57	2-Methoxyaniline; o-Anisidine	EPA 3550C:2007& EPA 8270D:2014 GC-MS	90-04-0	201-963-1
58	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)		140-66-9	205-426-2
59	1,2-Dichloroethane		107-06-2	203-458-1
60	Bis(2-methoxyethyl) ether		111-96-6	203-924-4
61	Arsenic acid*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7778-39-4	231-901-9
62	Calcium arsenate*		7778-44-1	231-904-5
63	Trilead diarsenate*		3687-31-8	222-979-5
64	N,N-dimethylacetamide (DMAC)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	127-19-5	204-826-4

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
65	Phenolphthalein	EPA 3550C:2007& EPA 8321B:2007 HPLC	77-09-8	201-004-7
66	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	101-14-4	202-918-9
67	Lead azide; Lead diazide*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	13424-46-9	236-542-1
68	Lead styphnate*		15245-44-0	239-290-0
69	Lead dipicrate*		6477-64-1	229-335-2
70	² Aluminosilicate Refractory Ceramic Fibres (RCF)**		-	-
71	² Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**		-	-
Seventh batch				
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	112-49-2	203-977-3
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		110-71-4	203-794-9
74	Diboron trioxide*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	1303-86-2	215-125-8
75	Lead(II)bis(methanesulfonate)*		17570-76-2	401-750-5
76	Formamide	EPA 3550C:2007& EPA 8270D:2014 GC-MS	75-12-7	200-842-0
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triaz ine-2,4,6-(1H,3H,5H)-trione (TGIC)	EPA 3550C:2007& EPA 8321B:2007 HPLC	2451-62-9	219-514-3
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine- 2,4,6-(1H,3H,5H)-trione (β-TGIC)		59653-74-6	423-400-0
79	4,4'-bis(dimethylamino)benzopheno ne (Michler's ketone)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	90-94-8	202-027-5
80	N,N,N',N'-tetramethyl-4,4'-methylen edianiline (Michler's base)		101-61-1	202-959-2

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	EPA 3550C:2007& EPA 8321B:2007 HPLC	548-62-9	208-953-6
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		2580-56-5	219-943-6
83	α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		6786-83-0	229-851-8
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)		561-41-1	209-218-2
Eighth batch				
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	IEC 62321-6:2015 GC-MS	1163-19-5	214-604-9
86	Pentacosafuorotridecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	72629-94-8	276-745-2
87	Tricosafuorododecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	307-55-1	206-203-2
88	Henicosafuoroundecanoic acid		2058-94-8	218-165-4
89	Heptacosafuorotetradecanoic acid		376-06-7	206-803-4

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
90	^① 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]		-	-
91	^① 4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	EPA 3550C:2007& EPA 8321B:2007 HPLC	123-77-3	204-650-8
93	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	EPA 3550C:2007& EPA 8270D:2014 GC-MS	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1
94	Cyclohexane-1,2-dicarboxylic anhydride	EPA 3550C:2007& EPA 8270D:2014 GC-MS	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9
95	Methoxy acetic acid		625-45-6	210-894-6
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		84777-06-0	284-032-2
97	Diisopentylphthalate (DIPP)	EN 14372:2004 GC-MS	605-50-5	210-088-4
98	N-pentyl-isopentylphthalate		776297-69-9	-
99	1,2-diethoxyethane	EPA 3550C:2007& EPA 8270D:2014 GC-MS	629-14-1	211-076-1
100	N,N-dimethylformamide		68-12-2	200-679-5
101	Dibutyltin dichloride (DBTC)	ISO 17353:2004(E) GC-MS	683-18-1	211-670-0
102	Acetic acid, lead salt, basic*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	51404-69-4	257-175-3
103	Trilead bis(carbonate) dihydroxide*		1319-46-6	215-290-6
104	Lead oxide sulfate*		12036-76-9	234-853-7
105	[Phthalato(2-)]dioxotrilead *		69011-06-9	273-688-5

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106	Dioxobis(stearato)trilead *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	12578-12-0	235-702-8	
107	Fatty acids, C16-18, lead salts*		91031-62-8	292-966-7	
108	Lead bis(tetrafluoroborate)*		13814-96-5	237-486-0	
109	Lead cyanamide*		20837-86-9	244-073-9	
110	Lead dinitrate*		10099-74-8	233-245-9	
111	Lead oxide (lead monoxide)*		1317-36-8	215-267-0	
112	Lead tetroxide (orange lead)*		1314-41-6	215-235-6	
113	Lead titanium trioxide*		12060-00-3	235-038-9	
114	Lead Titanium Zirconium Oxide*		12626-81-2	235-727-4	
115	^② Pentalead tetraoxide sulphate*		12065-90-6	235-067-7	
116	^② Pyrochlore, antimony lead yellow *		8012-00-8	232-382-1	
117	^② Silicic acid, barium salt, lead-doped*		68784-75-8	272-271-5	
118	Silicic acid, lead salt*		11120-22-2	234-363-3	
119	Sulfurous acid, lead salt, dibasic*		62229-08-7	263-467-1	
120	Tetraethyllead*		78-00-2	201-075-4	
121	Tetralead trioxide sulphate*		12202-17-4	235-380-9	
122	Trilead dioxide phosphonate*		12141-20-7	235-252-2	
123	Furan		EPA 3550C:2007& EPA 8270D:2014 GC-MS	110-00-9	203-727-3
124	Methyloxirane (Propylene oxide)		EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS	75-56-9	200-879-2
125	Diethyl sulphate		EPA 3550C:2007& EPA 8321B:2007 HPLC	64-67-5	200-589-6
126	Dimethyl sulphate			77-78-1	201-058-1
127	3-ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazoli dine		EPA 3550C:2007& EPA 8270D:2014 GC-MS	143860-04-2	421-150-7
128	Dinoseb	88-85-7		201-861-7	
129	4,4'-methylenedi- <i>o</i> -toluidine	838-88-0		212-658-8	
130	4,4'-oxydianiline and its salts	101-80-4		202-977-0	
131	4-aminoazobenzene	60-09-3		200-453-6	

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
132	4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	95-80-7	202-453-1
133	6-methoxy- <i>m</i> -toluidine (p-cresidine)		120-71-8	204-419-1
134	Biphenyl-4-ylamine		92-67-1	202-177-1
135	<i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)]		97-56-3	202-591-2
136	<i>o</i> -toluidine		95-53-4	202-429-0
137	N-methylacetamide	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-16-3	201-182-6
138	1-bromopropane (n-propyl bromide)	EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS	106-94-5	203-445-0
Ninth batch				
139	④4-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]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-
140	Cadmium	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7440-43-9	231-152-8
141	Cadmium oxide*		1306-19-0	215-146-2
142	Ammonium pentadecafluorooctanoate (APFO)	EPA 3550C:2007& EPA 8321B:2007 HPLC	3825-26-1	223-320-4
143	Pentadecafluorooctanoic acid (PFOA)		335-67-1	206-397-9
144	Dipentyl phthalate (DPP)	EN 14372:2004 GC-MS	131-18-0	205-017-9
Tenth batch				
145	Cadmium sulphide *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	1306-23-6	215-147-8
146	Dihexyl phthalate(DnHP)	EN 14372:2004 GC-MS	84-75-3	201-559-5

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
147	[Ⓢ] Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphon ate) (C.I. Direct Red 28)	EPA 3550C:2007& EPA 8321B:2007 HPLC	573-58-0	209-358-4
148	[Ⓢ] Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl) azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalen e-2,7-disulphonate (C.I. Direct Black 38)		1937-37-7	217-710-3
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	EPA 3550C:2007& EPA 8270D:2014 GC-MS	96-45-7	202-506-9
150	Trixylyl phosphate		25155-23-1	246-677-8
151	Lead di(acetate) *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	301-04-2	206-104-4
Eleventh batch				
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	EN 14372:2004 GC-MS	68515-50-4	271-093-5
153	Cadmium chloride*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10108-64-2	233-296-7
154	Sodium perborate; perboric acid, sodium salt*		-	239-172-9 234-390-0
155	Sodium peroxometaborate*		7632-04-4	231-556-4
Twelfth batch				
156	2-(2H-benzotriazol-2-yl)-4,6-ditertp entylphenol (UV-328)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	25973-55-1	247-384-8
157	2-benzotriazol-2-yl-4,6-di-tert-butyl phenol (UV-320)		3846-71-7	223-346-6
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3, 5-dithia-4-stannatetradecanoate (DOTE)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	15571-58-1	239-622-4

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
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-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-
160	Cadmium fluoride*	EPA 3050B:1996& EPA 3052:1996&	7790-79-6	232-222-0
161	Cadmium sulphate*	EPA 6010C:2007 ICP-OES	10124-36-4 31119-53-6	233-331-6
Thirteenth batch				
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	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-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	-	-
Fourteenth batch				
164	1,3-propanesultone	EPA 3540C:1996, GC-FID	1120-71-4	214-317-9
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	EPA 3540C:1996& EPA 8321B:2007, HPLC	3864-99-1	223-383-8
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	-	36437-37-3	253-037-1
167	Nitrobenzene	EPA 3540C:1996, GC-FID	98-95-3	202-716-0
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	EPA 3540C:1996& EPA 8321B:2007, LC-MS	375-95-1, 21049-39-8 4149-60-4	206-801-3

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
Fifteenth batch				
169	Benzo[def]chrysene (Benzo[a]pyrene)	AfPS ProdSG:2014 GC-MS	50-32-8	200-028-5
Sixteenth batch				
170	4,4'-isopropylidenediphenol (bisphenol A)	EPA 3550C:2007& EPA 8321B:2007, HPLC	80-05-7	201-245-8
171	4-tert-pentylphenol (PTAP)		80-46-6	201-280-9
172	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-
173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	EPA 3550C:2007& EPA 8321B:2007, HPLC	3108-42-7 335-76-2 3830-45-3	- 206-400-3 221-470-5
Seventeenth batch				
174	Perfluorohexane-1-sulphonic acid and its salts	EPA 3550C:2007& EPA 8270D:2014 GC-MS	355-46-4	206-587-1
Eighteenth batch				
175	1,6,7,8,9,14,15,16,17,17,18,18-Dode cachloropentacyclo[12.2.1.16,9.02,1 3.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	EPA 8270D:2014 GC-MS	-	-
176	Benz[a]anthracene	AfPS ProdSG:2014 GC-MS	56-55-3	200-280-6

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
177	Cadmium nitrate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10325-94-7	233-710-6
178	Cadmium carbonate*		513-78-0	208-168-9
179	Cadmium hydroxide*		21041-95-2	244-168-5
180	Chrysene	AfPS ProdSG:2014 GC-MS	218-01-9	205-923-4
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	EPA 8270D:2014 GC-MS	-	-
Item 182 SVHC Substance (Added by (EU) 2018/594 on April 19, 2018)				
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	EPA 8270D:2014 GC-MS	552-30-7	209-008-0
Item 183 SVHC Substance (Added by (EU) 2018/636 on April 25, 2018)				
183	Dicyclohexyl phthalate (DCHP)	EPA 8270D:2014 GC-MS	84-61-7	201-545-9
Nineteenth batch				
184	Benzo[ghi]perylene	AfPS ProdSG:2014 GC-MS	191-24-2	205-883-8
185	Decamethylcyclopentasiloxane (D5)	EPA 8270D:2014 GC-MS	541-02-6	208-764-9
186	Disodium octaborate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	12008-41-2	234-541-0
187	Dodecamethylcyclohexasiloxane (D6)	EPA 8270D:2014 GC-MS	540-97-6	208-762-8
188	Ethylenediamine		107-15-3	203-468-6
189	Lead	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7439-92-1	231-100-4

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
190	Octamethylcyclotetrasiloxane (D4)	EPA 8270D:2014 GC-MS	556-67-2	209-136-7
191	Terphenyl hydrogenated		61788-32-7	262-967-7
Item 192 SVHC Substance (Added by (EU) 2018/2013 on December 18, 2018)				
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	EPA 8270D:2014 GC-MS	15087-24-8	239-139-9
Twentieth batch				
193	2,2-bis(4'-hydroxyphenyl)-4-methyl pentane	EPA 8270D:2014 GC-MS	6807-17-6	401-720-1
194	Benzo[k]fluoranthene	AfPS ProdSG:2014 GC-MS	207-08-9	205-916-6
195	Fluoranthene		206-44-0	205-912-4
196	Phenanthrene		85-01-8	201-581-5
197	Pyrene		129-00-0	204-927-3
Twenty-first batch				
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) HFPO-DA	EPA 8270D:2014 GC-MS	-	-
199	2-methoxyethyl acetate		110-49-6	203-772-9
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		-	-
201	p-tert-Butylphenol,4-t-Butylphenol (PTBP)		98-54-4	202-679-0
Twenty-second batch				

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
202	Diisohexyl phthalate	EPA 8270D:2014 GC-MS	71850-09-4	276-090-2
203	2-benzyl-2-dimethylamino-4'-m orpholinobutyrophenone		119313-12-1	404-360-3
204	2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one		71868-10-5	400-600-6
205	Perfluorobutane sulfonic acid (PFBS) and its salts		-	-

Note:

- *: Inorganic SVHC compounds are obtained by converting the test results of cobalt, chloride, sodium, arsenic, chromium, potassium, lead, boron, zirconium, titanium, phosphorus, calcium, zinc, strontium, molybdenum, aluminum and cadmium elements, and confirmed through the appropriate solvent extraction. At the same time, customers are suggested to check the chemical formula table, to further confirm whether above materials are contained.
- **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation(EC) No 1272/2008).
- ***: C.I.:Colour Index
- ****: Light fractions from distillation
- ①: In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.
- ②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.

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2. Test Result(s) of Cd content

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)					Limit
			1-1	1-2	1-3	1-4	1-5	
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	/	Pass	Pass	Pass	Pass	Pass	/

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)						Limit
			1-6	1-7	1-8	1-9	1-10	1-11	
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	/	Pass	Pass	Pass	Pass	Pass	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 3. As specified by client, only test the designated sample

3. Test Result(s) of Polycyclic Aromatic Hydrocarbons (PAHs)

Unit: mg/kg

Test Item(s)	Test Method /Equipment	MDL	Result(s)	Limit
			1-2	
Benzo[a]anthracene (BaA)	AfPS GS 2014:01 PAK GC-MS	0.1	N.D.	0.5
Chrysene (CHR)		0.1	N.D.	0.5
Benzo[b]fluoranthene (BbFA)		0.1	N.D.	0.5
Benzo[k]fluoranthene (BkFA)		0.1	N.D.	0.5
Benzo[j]fluoranthene (BjFA)		0.1	N.D.	0.5
Benzo[a]pyrene (BaP)		0.1	N.D.	0.5
Benzo[e]pyrene(BeP)		0.1	N.D.	0.5
Dibenzo[a,h]anthracene (DBAha)		0.1	N.D.	0.5
Sum of 8 PAHs		—	N.D.	—
Conclusion		/	Pass	/

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- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 3. “—”=Not regulated
 4. As specified by client, only test the designated sample.

4. Test Result(s) of phthalates content

Unit: %, w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			1-2	
Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	0.01	N.D.	0.1
Butylbenzyl phthalate (BBP)		0.01	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	0.1
Diisobutyl phthalate (DIBP)		0.01	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP		—	N.D.	0.1
Di-n-octyl phthalate (DNOP)		0.01	N.D.	-
Di-isononyl phthalate (DINP)		0.01	N.D.	
Di-isodecyl phthalate (DIDP)		0.01	N.D.	
Sum of DNOP+DINP+DIDP		—	N.D.	0.1
Conclusion			/	Pass

- Note:**
1. 0.1%,w/w =1000mg/kg
 2. MDL=method detection limit
 3. N.D.=not detected (less than method detection limit)
 4. “—” =Not regulated
 5. As specified by client, only test the designated sample

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5. Test Result(s) of AZO:

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)				Limit
			1-4	1-5	1-6	1-7	
4-Aminobiphenyl	EN ISO 14362-1:2017 EN ISO 14362-3:2017 GC-MS	5	N.D.	N.D.	N.D.	N.D.	30
Benzidine		5	N.D.	N.D.	N.D.	N.D.	30
4-Chloro-o-Toluidine		5	N.D.	N.D.	N.D.	N.D.	30
2-Naphthylamine		5	N.D.	N.D.	N.D.	N.D.	30
o-Aminoazotoluene		5	N.D.	N.D.	N.D.	N.D.	30
5-Nitro-o-toluidine		5	N.D.	N.D.	N.D.	N.D.	30
4-Chloroaniline		5	N.D.	N.D.	N.D.	N.D.	30
4-Methoxy-m-phenylenediamine		5	N.D.	N.D.	N.D.	N.D.	30
4,4'-Diaminodiphenylmethane		5	N.D.	N.D.	N.D.	N.D.	30
3,3'-Dichlorobenzidine		5	N.D.	N.D.	N.D.	N.D.	30
3,3'-Dimethoxybenzidine		5	N.D.	N.D.	N.D.	N.D.	30
3,3'-Dimethybenzidine		5	N.D.	N.D.	N.D.	N.D.	30
4,4'-Methylenedi-o-toluidine		5	N.D.	N.D.	N.D.	N.D.	30
p-Cresidine		5	N.D.	N.D.	N.D.	N.D.	30
4,4'-Methylene-bis-(2-chloro-aniline)		5	N.D.	N.D.	N.D.	N.D.	30
4,4'-Oxydianiline		5	N.D.	N.D.	N.D.	N.D.	30
4,4'-Thiodianiline		5	N.D.	N.D.	N.D.	N.D.	30
o-Toluidine		5	N.D.	N.D.	N.D.	N.D.	30
4-Methyl-m-phenylenediamine		5	N.D.	N.D.	N.D.	N.D.	30
2,4,5-Trimethylaniline		5	N.D.	N.D.	N.D.	N.D.	30
o-Anisidine		5	N.D.	N.D.	N.D.	N.D.	30
4-Amino azobenzene	5	N.D.	N.D.	N.D.	N.D.	30	
2,4-Xylidine	5	N.D.	N.D.	N.D.	N.D.	30	
2,6-Xylidine	5	N.D.	N.D.	N.D.	N.D.	30	
Conclusion		/	Pass	Pass	Pass	Pass	/

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Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)			Limit
			1-8	1-9	1-10	
4-Aminobiphenyl	EN ISO 14362-1:2017 EN ISO 14362-3:2017 GC-MS	5	N.D.	N.D.	N.D.	30
Benzidine		5	N.D.	N.D.	N.D.	30
4-Chloro-o-Toluidine		5	N.D.	N.D.	N.D.	30
2-Naphthylamine		5	N.D.	N.D.	N.D.	30
o-Aminoazotoluene		5	N.D.	N.D.	N.D.	30
5-Nitro-o-toluidine		5	N.D.	N.D.	N.D.	30
4-Chloroaniline		5	N.D.	N.D.	N.D.	30
4-Methoxy-m-phenylenediamine		5	N.D.	N.D.	N.D.	30
4,4'-Diaminodiphenylmethane		5	N.D.	N.D.	N.D.	30
3,3'-Dichlorobenzidine		5	N.D.	N.D.	N.D.	30
3,3'-Dimethoxybenzidine		5	N.D.	N.D.	N.D.	30
3,3'-Dimethylbenzidine		5	N.D.	N.D.	N.D.	30
4,4'-Methylenedi-o-toluidine		5	N.D.	N.D.	N.D.	30
p-Cresidine		5	N.D.	N.D.	N.D.	30
4,4'-Methylene-bis-(2-chloro-aniline)		5	N.D.	N.D.	N.D.	30
4,4'-Oxydianiline		5	N.D.	N.D.	N.D.	30
4,4'-Thiodianiline		5	N.D.	N.D.	N.D.	30
o-Toluidine		5	N.D.	N.D.	N.D.	30
4-Methyl-m-phenylenediamine		5	N.D.	N.D.	N.D.	30
2,4,5-Trimethylaniline		5	N.D.	N.D.	N.D.	30
o-Anisidine		5	N.D.	N.D.	N.D.	30
4-Amino azobenzene		5	N.D.	N.D.	N.D.	30
2,4-Xylidine		5	N.D.	N.D.	N.D.	30
2,6-Xylidine	5	N.D.	N.D.	N.D.	30	
Conclusion		/	Pass	Pass	Pass	/

Note:

- 1.MDL=method detection limit
- 2.N.D.=not detected (less than method detection limit)
- 3.As specified by client, only test the designated sample
4. The EN ISO 14362-1:2017 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine, therefore, the test method of EN ISO 14362-3:2017 was employed to verify the presence of 4-aminoazobenzene

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6. Test Result(s) of formaldehyde content

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Results				Limit
			1-4	1-5	1-6	1-7	
Formaldehyde	Testing methods Standard 100 by OEKO-TEX (2018)	16	N.D.	N.D.	N.D.	N.D.	75
Conclusion	UV-Vis	/	Pass	Pass	Pass	Pass	/

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Results			Limit
			1-8	1-9	1-10	
Formaldehyde	Testing methods Standard 100 by OEKO-TEX (2018)	16	N.D.	N.D.	N.D.	75
Conclusion	UV-Vis	/	Pass	Pass	Pass	/

- Note:**
1. N.D.=not detected (less than method detection limit)
 2. MDL=method detection limit
 3. As specified by client, only test the designated sample

German Food(LFGB)

7. Sensory analysis

Test method: with reference to DIN 10955:2004 for sensory analysis

Test Item(s)	Test Result(s)	Maximum Permissible Limit
	1	
Sensorial examination odour(point scale)	0	2.5
Sensorial examination taste(point scale)	0	2.5

Remark

Odour / Taste	Grade
No difference from natural sample	0
Just barely perceivable difference	1
Weak but definable difference	2
Clearly perceivable difference	3
Strong difference	4

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8. Test Result(s) of Leachable Lead, Cadmium (inner immersion)

Unit: mg/L

Test Items	Test Condition/ Equipment	MDL	Result				Limit
			4% (v/v) Acetic acid				
			1-1-A	1-1-B	1-1-C	1-1-D	
Lead (Pb)	22°C, 24h/ ICP-OES	0.1	N.D.	N.D.	N.D.	N.D.	4.0
Cadmium (Cd)		0.01	N.D.	N.D.	N.D.	N.D.	0.3
Conclusion	/	/	Pass	Pass	Pass	Pass	/

- Note:**
1. MDL=method detection limit
 2. N.D.=Not Detected(less than method detection limit)
 3. Results shown above are testing data of four groups.

9.1 Test Result(s) of Color migration

Test method: with reference to Kunststoffe im Lebensmittelverkehr, Part B II IX

Test Item(s)	Test Condition	Result	Limit
		1-2	
Color migration	3%(w/v) Acetic acid, 70°C, 2h	Not recognized	Not recognized
	10%(v/v) Ethanol, 70°C, 2h	Not recognized	Not recognized
Conclusion		Pass	/

- Note:**
1. Recognized=Dissolution of color is/are observed when comparing with blank leaching solution(s).
 2. Not Recognized=Dissolution of color is/are NOT observed when comparing with blank leaching solution(s).

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9.2 Test Result(s) of Overall Migration

Unit: mg/dm²

Test Solution	Test condition	MDL	Test Result(s)	Limit
			1-2	
3%(w/v) Acetic acid	70°C, 2h	5	N.D.	10
10% (v/v) Ethanol		5	9.0	10
Conclusion	/	/	Pass	/

Note: 1. N.D.=not detected (less than method detection limit)

2. MDL=method detection limit

9.3 Test Result(s) of Total Lead and Cadmium content

Unit: mg/kg

Test Item	Test Method/ Equipment	MDL	Test Result(s)	Limit
			1-2	
Lead (Pb)	EPA 3052-1996& EPA 6010D-2018 ICP-OES	2	N.D.	Absent
Cadmium (Cd)		2	N.D.	Absent
Conclusion	/	/	Pass	/

Note: -MDL=method detection limit

-N.D.=not detected (less than method detection limit)

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9.4 Test Result(s) of Specific Migration of Heavy metals

Unit: mg/kg

Test Item(s)	Test Condition/ Equipment	MDL	Test Result(s)	Limit
			3% (w/v) Acetic acid 1-2	
Aluminum (Al)	70°C, 2h / ICP-OES	0.5	N.D.	1
Barium (Ba)		0.25	N.D.	1
Cobalt (Co)		0.01	N.D.	0.05
Copper (Cu)		0.25	N.D.	5
Iron (Fe)		0.25	N.D.	48
Lithium (Li)		0.5	N.D.	0.6
Manganese (Mn)		0.25	N.D.	0.6
Zinc (Zn)		0.5	N.D.	5
Nickel (Ni)		0.01	N.D.	0.02
Conclusion			/	Pass

Note: -MDL=method detection limit
-N.D.=not detected (less than method detection limit)

10.1. Test result of Overall Migration

Unit: mg/dm²

Test Solution	Test condition	MDL	Test Result(s)	Limit
			1-11	
3%(w/v) Acetic acid	70°C, 2h	5	N.D.	10
10% (v/v) Ethanol		5	N.D.	10
Conclusion	/	/	Pass	/

Note: 1. N.D.=not detected (less than method detection limit)
2. MDL=method detection limit

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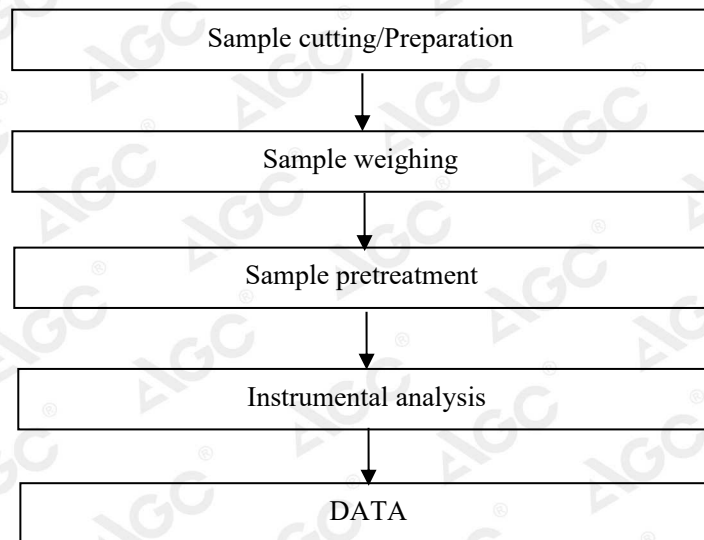
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Sample Description

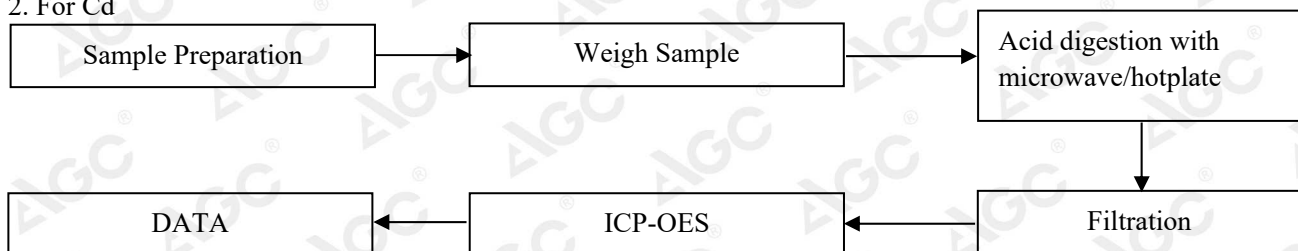
1	Glass water bottle with neoprene cover
1-1	Glass bottle
1-2	Grey plastic cover(PP)
1-3	Metal cover(outside)
1-4	Grey lifting rope
1-5	Black cloth
1-6	Gray cloth
1-7	Red cloth
1-8	Orange cloth
1-9	Blue cloth
1-10	Green cloth
1-11	Silicone ring

Test Flow Chart

1. For REACH



2. For Cd



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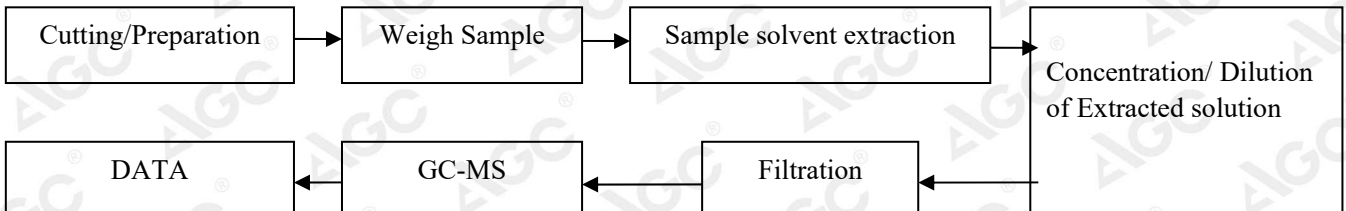
Test Report

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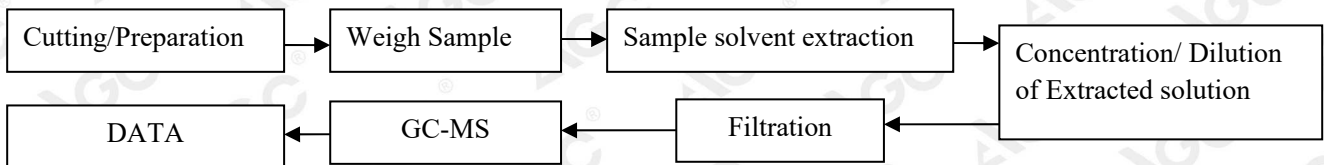
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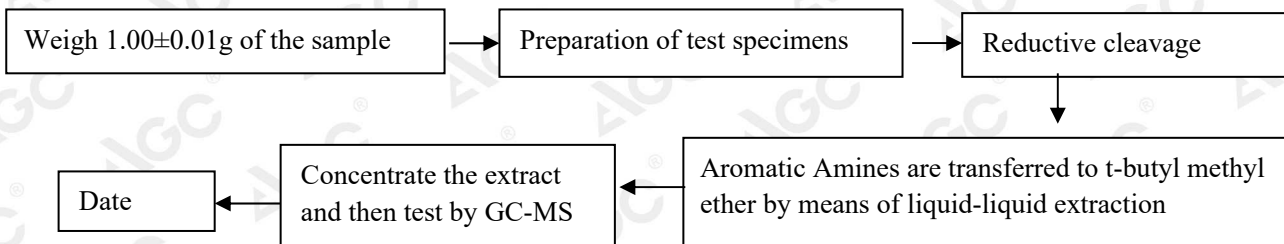
3. For PAHs



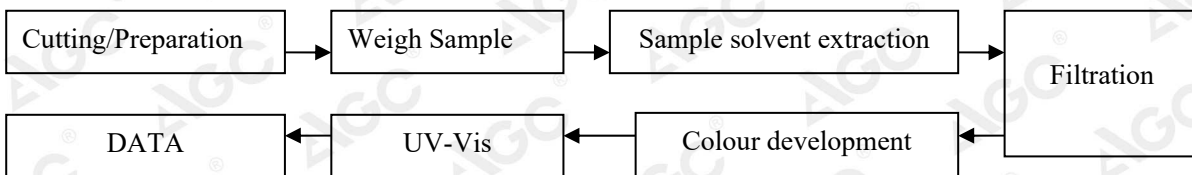
4. For phthalates



5. For AZO



6. For formaldehyde



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The photo of the sample



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AGC authenticate the photo on original report only

*** End of Report***

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