Test Report

Report No.: AGC02372200401-002 Date: May 26, 2020 Page 1of 37

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	:	Black aluminum water bottle with colered cap
Model	:	C0180M
Item No.	:	9305
Supplier	:	[redacted]
Supplier Address	:	[redacted]
Sample Receiving Date	:	Mar.31, 2020
Testing Period	:	Mar.31, 2020 to May 26, 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: Jessie Liang

Liangdan, Jessie.Liang

Technical Director

Attestation of Global Compliance Std. & Tech.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118

Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Test Report

Test Requested:	**Conclusion**
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 ≤0.1%(W/W) in the tested sample.	Pass
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.	Pass
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.	Pass
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.	Pass
5. As specified by client, to test sample with reference to German Food, Articles of Daily Use and FeedCode of September, 2005(LFGB), Section 30 & 31for:	
- Sensory analysis	Pass
6. 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, Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9for:	
- Specific migration of heavy metal from metal and alloys(21 heavy metals)	**Pass**
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, Regulation 1935/2004/EC, Regulation (EU) No.10/2011, (EU)2016/1416&(EU)2017/752&(EU)2018/213 for:	
- Color Migration (3% (w/v) Acetic acid, 20% ethanol)	Pass
- Overall Migration (3% (w/v) Acetic acid, 20% ethanol)	Pass
- Total Lead and Cadmium content	Pass
- Specific Migration of Heavy metals	Pass
- Migration of BPA	Pass
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, BfR recommendation XⅤ, Regulation 1935/2004/EC, Regulation (EU) No.10/2011 for:	
-Extractable components (distilled water, 3% (w/v) Acetic acid, 10% ethanol)	**Pass**
- Overall Migration (distilled water, 3% (w/v) Acetic acid, 10% ethanol)	Pass
-Volatile Organic Matter	**Pass**
-Total Lead, Cadmium content	**Pass**
- Migration of BPA	Pass

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Test Requested:	**Conclusion**
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&(EU)2018/213 for:	
- Color Migration (3% (w/v) Acetic acid, 20% ethanol)	Pass
- Overall Migration (3% (w/v) Acetic acid, 20% ethanol)	Pass
- Migration of Lead and Cadmium	Pass
- Specific Migration of Heavy metals	Pass
- Migration of BPA	Pass

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Test Result(s):

1. Test result ofREACH

Sample Name.	Part No.	Test Point Description
Black aluminum water bottle with colered cap	1	Metal
	2	Non-metal

Test Result:

Part No.	Substances Name	Test Result(%)		RL(%)
		Test Data	The Whole Sample	
1	All test SVHC i[redacted]t	N.D.	N.D.	0.01
2		N.D.		0.01

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.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
Second batch				
16	①Anthracene oil	AfPS ProdSG:2014 GC-MS	90640-80-5	292-602-7
17	①Anthracene oil, anthracene paste, distn. Lights		91995-17-4	295-278-5
18	①Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9
19	①Anthracene oil, anthracene-low [redacted]		90640-82-7	292-604-8
20	①Anthracene oil, anthracene paste [redacted]		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	②Lead chromate	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007ICP-OES& UV-Vis	7758-97-6	231-846-0
24	②Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***		12656-85-8	235-759-9
25	②Lead sulfochromate yellow(C.I. Pigment Yellow 34)		1344-37-2	215-693-7
26	①Pitch, 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

Attestation of Global Compliance Std. & Tech.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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 dichromat[redacted]		7789-09-5	232-143-1
36	Potassium dichromate[redacted]		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:2007ICP-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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
47	①1,2-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	①1,2-Benzenedicarboxylic [redacted] di-C6-8-branched alkyl e[redacted] 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:2007ICP-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

Attestation of Global Compliance Std. & Tech.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118

Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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	②Aluminosilicate Refractory Ceramic Fibres (RCF)**		-	-
71	②Zirconia 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-triazine-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)benzophenone (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'-methylenedianiline (Michler's base)		101-61-1	202-959-2

Attestation of Global Compliance Std. & Tech.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118

Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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 ≥ 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-(dimeth ylamino)phenyl]methylene]cyclohex a-2,5-dien-1-ylidene [redacted] dimethylammonium chlorid[redacted] (C.I. Basic Blue 26) [with ≥ 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-methan ol (C.I. Solvent Blue 4) [with ≥ 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"-(methyla mino)trityl alcohol with ≥ 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	Pentacosafluorotridecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	72629-94-8	276-745-2
87	Tricosafluorododecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	307-55-1	206-203-2
88	Henicosafluoroundecanoic acid		2058-94-8	218-165-4
89	Heptacosafluorotetradecanoic acid		376-06-7	206-803-4

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
90	①4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-
91	①4-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- a[redacted] well-defined substances w[redacted] include any of the individual isomers or a combination thereof]		-	-
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-isopentylphtalate		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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
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 cynamidate*		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	②Pentalead tetraoxide sulphate*		12065-90-6	235-067-7
116	②Pyrochlore, antimony lead yellow *		8012-00-8	232-382-1
117	②Silicic 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-oxazolidine	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-*o*-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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
132	4-methyl-*m*-phenylenediamine (toluene-2,4-diamine)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	95-80-7	202-453-1
133	6-methoxy-*m*-toluidine (p-cresidine)		120-71-8	204-419-1
134	Biphenyl-4-ylamine		92-67-1	202-177-1
135	*o*-aminoazotoluene [(4-o-tolylazo-*o*-toluidine]		97-56-3	202-591-2
136	*o*-toluidine		95-53-4	202-429-0
137	N-methylacetamide [redacted]	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	①4-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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.
147	②Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	EPA 3550C:2007& EPA 8321B:2007 HPLC	573-58-0	209-358-4
148	②Disodium 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
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-ditertpentylphenol (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

Attestation of Global Compliance Std. & Tech.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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& EPA 6010C:2007 ICP-OES	7790-79-6	232-222-0
161	Cadmium sulphate*		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 ≥ 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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	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]		-	-
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-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"TM) [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

Attestation of Global Compliance Std. & Tech.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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 [redacted] 1,3,4-thiadiazolidine-2,5-di[redacted] 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

Attestation of Global Compliance Std. & Tech.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118

Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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 ≥ 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				

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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'-morpholinobutyrophenone		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.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

2.Test Result(s) of Cd:

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 ICP-OES	10	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion		/	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	
Cadmium (Cd)	IEC 62321-5:2013 ICP-OES	10	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion		/	Pass	Pass	Pass	Pass	Pass	/

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)						Limit
			1-1	1-12	1-13	1-14	1-15	1-16	
Cadmium (Cd)	IEC 62321-5:2013 ICP-OES	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion		/	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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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

Unit: mg/kg

Test Item(s)	Test Method /Equipment	MDL	Result(s)				Limit
			1-2	1-3	1-4	1-5	
Benzo[a]anthracene (BaA)	AfPS GS 2014:01 [redacted] GC-MS	0.1	N.D.	N.D.	N.D.	N.D.	1
Chrysene (CHR)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[b]fluoranthene (BbFA)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[k]fluoranthene (BkFA)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[j]fluoranthene(BjFA)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[a]pyrene (BaP)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[e]pyrene(BeP)		0.1	N.D.	N.D.	N.D.	N.D.	1
Dibenzo[a,h]anthracene (DBAhA)		0.1	N.D.	N.D.	N.D.	N.D.	1
Sum of 8 PAHs		—	N.D.	N.D.	N.D.	N.D.	—
Conclusion		/	**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	
Benzo[a]anthracene (BaA)	AfPS GS 2014:01 PAK GC-MS	0.1	N.D.	N.D.	N.D.	N.D.	1
Chrysene (CHR)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[b]fluoranthene (BbFA)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[k]fluoranthene (BkFA)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[j]fluoranthene(BjFA)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[a]pyrene (BaP)		0.1	N.D.	N.D.	N.D.	N.D.	1
Benzo[e]pyrene(BeP)		0.1	N.D.	N.D.	N.D.	N.D.	1
Dibenzo[a,h]anthracene (DBAhA)		0.1	N.D.	N.D.	N.D.	N.D.	1
Sum of 8 PAHs		—	N.D.	N.D.	N.D.	N.D.	—
Conclusion		/	**Pass**	**Pass**	**Pass**	**Pass**	/

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.

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

4.Test Result(s) of phthalates content

Unit: %, w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)				Limit
			1-2	1-3	1-4	1-5	
Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	0.01	N.D.	N.D.	N.D.	N.D.	0.1
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1
Diisobutyl phthalate (DIBP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP		—	N.D.	N.D.	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)		0.01	N.D.	N.D.	N.D.	N.D.	-
Di-isononyl phthalate (DINP)		0.01	N.D.	N.D.	N.D.	N.D.	
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	N.D.	N.D.	
Sum of DNOP+DINP+DIDP		—	N.D.	N.D.	N.D.	N.D.	0.1
Conclusion		/	**Pass**	**Pass**	**Pass**	**Pass**	/

Unit: %, w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)				Limit
			1-6	1-7	1-8	1-9	
Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	0.01	N.D.	N.D.	N.D.	N.D.	0.1
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1
Diisobutyl phthalate (DIBP)		0.01	N.D.	N.D.	N.D.	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP		—	N.D.	N.D.	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)		0.01	N.D.	N.D.	N.D.	N.D.	-
Di-isononyl phthalate (DINP)		0.01	N.D.	N.D.	N.D.	N.D.	
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	N.D.	N.D.	
Sum of DNOP+DINP+DIDP		—	N.D.	N.D.	N.D.	N.D.	0.1
Conclusion		/	**Pass**	**Pass**	**Pass**	**Pass**	/

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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

German Food(LFGB)

5. Sensory analysis

Test method: with reference to DIN 10[redacted]sensory analysis

Test Item(s) [redacted]	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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118

Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

6 Specific migration of heavy metal

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s) 1-1 1^{st} + 2^{nd} extractives	Limit
Barium (Ba)	[redacted]	0.1	N.D.	8.4
Copper (Cu)		0.1	N.D.	28
Iron (Fe)		0.1	N.D.	280
Tin (Sn)		0.1	N.D.	700
Chromium (Cr)		0.01	N.D.	1.75
Manganese (Mn)		0.1	N.D.	12.6
Zinc (Zn)		0.1	N.D.	35
Aluminium (Al)		0.1	N.D.	35
Lithium (Li)		0.01	N.D.	0.336
Beryllium (Be)		0.005	N.D.	0.07
Vanadium (V)	Artificial tap water, 70℃, 2h ICP-OES	0.005	N.D.	0.07
Nickel (Ni)		0.01	N.D.	0.98
Cobalt (Co)		0.01	N.D.	0.14
Arsenic (As)		0.002	N.D.	0.014
Molybdenum(Mo)		0.01	N.D.	0.84
Silver (Ag)		0.01	N.D.	0.56
Cadmium (Cd)		0.002	N.D.	0.035
Antimony (Sb)		0.01	N.D.	0.28
Mercury (Hg)		0.002	N.D.	0.021
Thallium (Tl)		0.0001	N.D.	0.0007
Lead (Pb)		0.01	N.D.	0.07
Conclusion		/	**Pass**	/

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			1-1	
			3rd extractives	
Barium (Ba)	[redacted]	0.1	N.D.	1.2
Copper (Cu)		0.1	N.D.	4
Iron (Fe)		0.1	N.D.	40
Tin (Sn)		0.1	N.D.	100
Chromium (Cr)		0.01	N.D.	0.25
Manganese (Mn)		0.1	N.D.	1.8
Zinc (Zn)		0.1	N.D.	5
Aluminium (Al)		0.1	N.D.	5
Lithium (Li)		0.01	N.D.	0.048
Beryllium (Be)		0.005	N.D.	0.01
Vanadium (V)	Artificial tap water, 70℃, 2h ICP-OES	0.005	N.D.	0.01
Nickel (Ni)		0.01	N.D.	0.14
Cobalt (Co)		0.01	N.D.	0.02
Arsenic (As)		0.002	N.D.	0.002
Molybdenum(Mo)		0.01	N.D.	0.12
Silver (Ag)		0.01	N.D.	0.08
Cadmium (Cd)		0.002	N.D.	0.005
Antimony (Sb)		0.01	N.D.	0.04
Mercury (Hg)		0.002	N.D.	0.003
Thallium (Tl)		0.0001	N.D.	0.0001
Lead (Pb)		0.01	N.D.	0.01
Conclusion		/	**Pass**	/

Note:

1. N.D.=Not Detected(less than method detection limit)
2. MDL= method detection limit

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Remark:

Results from all three extractives are to be considered for compliance:

(1). Result of 3rd extractive shall not exceed the SRL;

(2). Sum of result of 1st and 2nd extractives shall not exceed 7 times of SRL.

7.1 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	1-4	1-5	1-6	
Color migration	3%(w/v) Acetic acid, 70℃, 2h	Not recognized	Not recognized	Not recognized	Not recognized	Not recognized
	20%(v/v) Ethanol, 70℃, 2h	Not recognized	Not recognized	Not recognized	Not recognized	Not recognized
Conclusion		**Pass**	**Pass**	**Pass**	**Pass**	**/**

Test Item(s)	Test Condition	Result			Limit
		1-7	1-8	1-9	
Color migration	3%(w/v) Acetic acid, 70℃, 2h	Not recognized	Not recognized	Not recognized	Not recognized
	20%(v/v) Ethanol, 70℃, 2h	Not recognized	Not recognized	Not recognized	Not recognized
Conclusion		**Pass**	**Pass**	**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).

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

7.2 Test Result(s) of Overall Migration

Unit: mg/dm^2

Test Solution	Test condition	MDL	Test Result(s)							Limit
			1-2	1-4	1-5	1-6	1-7	1-8	1-9	
3%(w/v)Acetic acid	70°C, 2h	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10
20% (v/v) Ethanol		5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10
Conclusion	/	/	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	/

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

7.3Test Result(s) of Total Lead and Cadmium content

Unit: mg/kg

Test Item	Test Method/ Equipment	MDL	Test Result(s)							Limit
			1-2	1-4	1-5	1-6	1-7	1-8	1-9	
Lead (Pb)	EPA 3052-1996& EPA 6010D-2018 ICP-OES	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Cadmium (Cd)		2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Conclusion	/	/	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	/

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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

7.4Test 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	1-4	1-5	1-6	
Aluminum (Al)	70°C [redacted] ICP-OES	0.5	N.D.	N.D.	N.D.	N.D.	1
Barium (Ba)		0.25	N.D.	N.D.	N.D.	N.D.	1
Cobalt (Co)		0.01	N.D.	N.D.	N.D.	N.D.	0.05
Copper (Cu)		0.25	N.D.	N.D.	N.D.	N.D.	5
Iron (Fe)		0.25	N.D.	N.D.	N.D.	N.D.	48
Lithium (Li)		0.5	N.D.	N.D.	N.D.	N.D.	0.6
Manganese (Mn)		0.25	N.D.	N.D.	N.D.	N.D.	0.6
Zinc (Zn)		0.5	N.D.	N.D.	N.D.	N.D.	5
Nickel(Ni)		0.01	N.D.	N.D.	N.D.	N.D.	0.02
Conclusion		/	**Pass**	**Pass**	**Pass**	**Pass**	/

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Unit: mg/kg

Test Item(s)	Test Condition/ Equipment	MDL	Test Result(s)			Limit
			3% (w/v) Acetic acid			
			1-7	1-8	1-9	
Aluminum (Al)	70°C, 2h / ICP-[redacted]	0.5	N.D.	N.D.	N.D.	1
Barium (Ba)		0.25	N.D.	N.D.	N.D.	1
Cobalt (Co)		0.01	N.D.	N.D.	N.D.	0.05
Copper (Cu)		0.25	N.D.	N.D.	N.D.	5
Iron (Fe)		0.25	N.D.	N.D.	N.D.	48
Lithium (Li)		0.5	N.D.	N.D.	N.D.	0.6
Manganese (Mn)		0.25	N.D.	N.D.	N.D.	0.6
Zinc (Zn)		0.5	N.D.	N.D.	N.D.	5
Nickel(Ni)		0.01	N.D.	N.D.	N.D.	0.02
Conclusion		/	**Pass**	**Pass**	**Pass**	/

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

7.5 Test result of Migration of BPA

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Result(s)				Limit
			3% (w/v) Acetic acid				
			1-2	1-4	1-5	1-6	
Migration of BPA	70°C, 2h / LC-MS-MS	0.02	N.D.	N.D.	N.D.	N.D.	0.05
Conclusion	/	/	**Pass**	**Pass**	**Pass**	**Pass**	/

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Result(s)			Limit
			3% (w/v) Acetic acid			
			1-7	1-8	1-9	
Migration of BPA	70°C, 2h / LC-MS-MS	0.02	N.D.	N.D.	N.D.	0.05
Conclusion	/	/	**Pass**	**Pass**	**Pass**	/

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

8.1Test result of Extractable components

Test method: with reference to 61st Communication on testing plastics in Bundesgesundheitsbl 46(2003)362

Test Item(s)	Test Condition	Result	Limit
		1-3	
Color migration	3%(w/v) Acetic acid, 70℃, 2h	Not recognized	Not recognized
	20%(v/v) Ethanol, 70℃, 2h	Not recognized	Not recognized
	Water, 70℃, 2h	Not recognized	Not recognized
Conclusion		**Pass**	/

Note: -MDL=method detection limit
-N.D.=not detected (less than method detection limit)
-0.1%,w/w =1000mg/kg

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

8.2 Test Result(s) of Overall Migration

Unit: %,w/w

Test Solution	Test Condition	MDL	Test Result(s)	Limit
			1-3	
Water	70°C, 2h	0.1	N.D.	0.5
20%(v/v) Ethanol	70°C, 2h	0.1	N.D.	0.5
3% (w/v) Acetic acid	70°C, 2h	0.1	N.D.	0.5
Conclusion	/	/	**Pass**	/

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

8.3 Test result of Volatile Organic Matter

Test method: with reference to LFGB BfR Part II section XV, May 2003 and LFGB section 35 B80.30 1(EG)

Unit: %,w/w

Test item(s)	Test Condition	MDL	Result(s)	Limit
			1-3	
Volatile Organic Matter	200°C, 4h	0.1	0.49	0.5
Conclusion		/	**Pass**	/

Note: -MDL=method detection limit
-N.D.=not detected (less than method detection limit)
-0.1%,w/w =1000mg/kg

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

8.4 Test result of Total Lead, Cadmium content

Unit: mg/kg

Test Item	Test Method/ Equipment	MDL	Test Result(s)	Limit
			1-3	
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 lim[redacted]
-N.D.=not detected (less than method detection limit)

8.5 Test result of Migration of BPA

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Result(s)	Limit
			3% (w/v) Acetic acid	
			1-3	
Migration of BPA	70°C, 2h/ LC-MS-MS	0.02	N.D.	0.05
Conclusion	/	/	**Pass**	/

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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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
		1-17	
Color migration	3%(w/v) Acetic acid, 70℃, 2h	Not recognized	Not recognized
	20%(v/v) Ethanol, 70℃, 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).

9.2 Test Result(s) of Overall Migration

Unit: mg/dm^2

Test Solution	Test condition	MDL	Test Result(s)	Limit
			1-17	
3%(w/v)Acetic acid	70°C, 2h	5	7.6667	10
20% (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

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

9.3 Specific Migration of Lead and Cadmium

Unit: mg/kg

Test Solution	Test Condition/ Equipment	MDL	Test Result(s)	Limit
			3% (w/v) Acetic acid	
			1-17	
Lead (Pb)	70°C, 2h / ICP-OES	0.1	N.D.	Absent
Cadmium (Cd)		0.01	N.D.	Absent
Conclusion	/	/	**Pass**	/

Note: -MDL=method detection limit

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

9.4Test 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	
			1-17	
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)

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118

Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

9.5. Test result of Migration of BPA

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Result(s)	Limit
			3% (w/v) Acetic acid	
			1-17	
Migration of BPA	70°C, 2h/ LC-MS-MS	0.02	N.D.	0.05
Conclusion	/	/	**Pass**	/

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

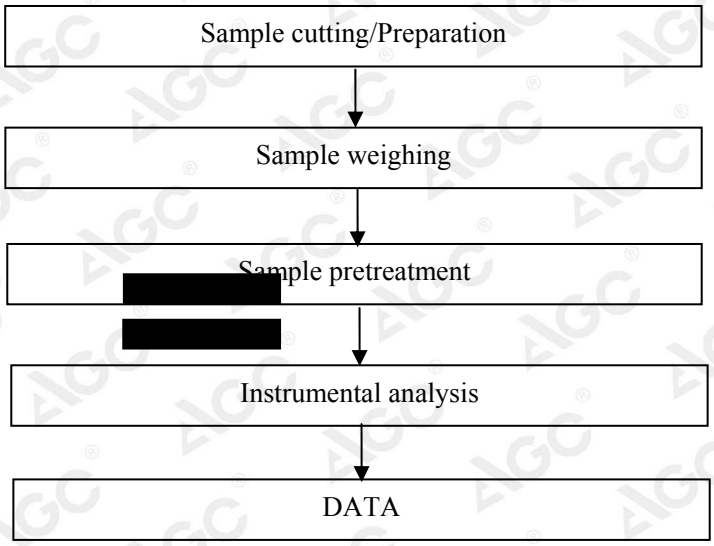
Sample Description

1	Black aluminum water bottle with colered cap
1-1	Aluminum bottle
1-2	Black plastic bottle neck(PS)
1-3	White silicone
1-4	Black plastic lid(PP)
1-5	Transparent plastic lid(PP)
1-6	Red plastic lid(PP)
1-7	Orange plastic lid(PP)
1-8	Blue plastic lid(PP)
1-9	Green plastic lid(PP)
1-10	Black silicone handle
1-11	White silicone handle
1-12	Red silicone handle
1-13	Orange silicone handle
1-14	Blue silicone handle
1-15	Green silicone handle
1-16	Black coating
1-17	Epoxy inside bottle

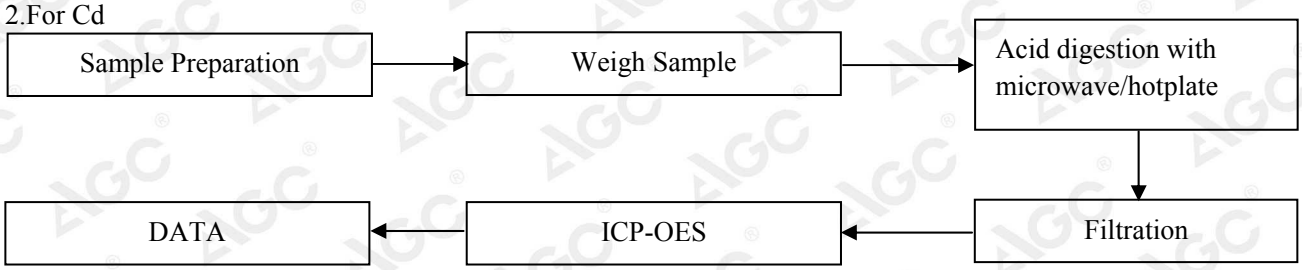
Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Test Flow Chart

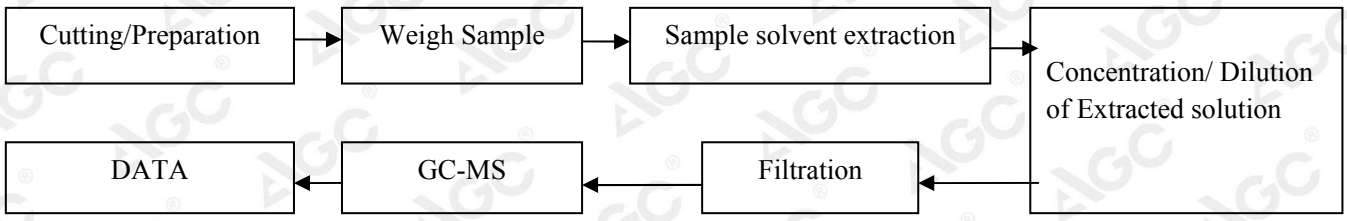
1.For REACH



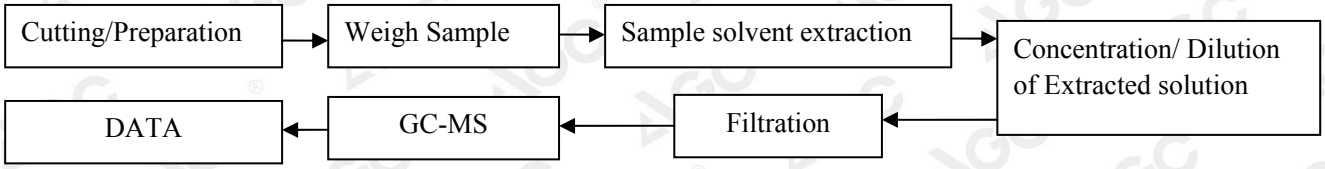
2.For Cd



3. For PAHs



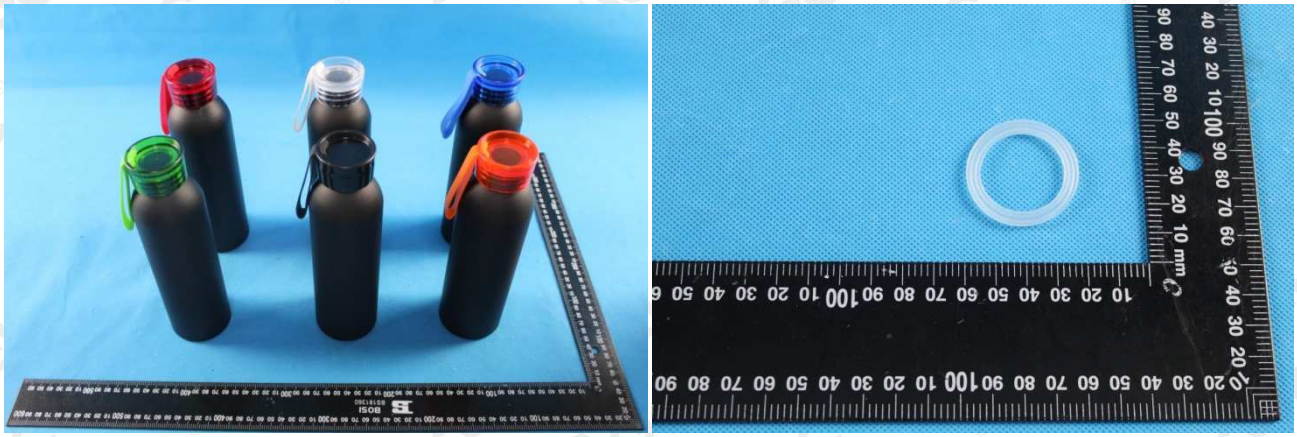
4. For phthalates



Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

The test results of No.1-1 to No.1-15 copied from test results of No.1-1 to No.1-15 of report No.: AGC02372200401-001.
The test results of No.1-17 copied from test results of No.1-17 of report No.: AGC02372200401-001.

The photo of the sample



AGC02372200401-002

AGC authenticate the photo on original report only

*** End of Report***

Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China