



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 1 of 63

Applicant SUNVAULT S.R.L

Address Sat Smârdan, Comuna Smârdan, Nr. 28, Biroul 1, Judet Galați, Romania

The following sample(s) was /were submitted and identified on behalf of the clients as :

Product Name Energy Storage Module

Trademark Sunvault srl

Model No. 16kwh

Manufacturer SUNVAULT S.R.L

Address Sat Smârdan, Comuna Smârdan, Nr. 28, Biroul 1, Judet Galați,
Romania

Sample Received Date Jul. 03, 2026

Testing Period Jul. 03, 2026 ~ Jul. 09, 2026

Test Requested Test Method Test samples according to customer requirements

Test Result PASS



XuGTHgw QKMDmcb

Signed for and on behalf of:



Liu Wang Manager

Shenzhen Tianqi Testing Technology Service Co., Ltd.

Date of issue : Jul. 09, 2026

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 2 of 63

RESULT SUMMARY:

Test Standard		Conclusion
1.	Two hundred and fifty-three (253) substances are included in the Candidate List of Substances of Very High Concern (SVHC) for Authorization, which was published by the European Chemicals Agency (ECHA) as of February 4, 2026, pursuant to Regulation (EC) No 1907/2006 (REACH).	pass
2.	As specified by the client, to determine Nickel Release content(s) in the submitted Sample; to determine the content of Cadmium (Cd) in the submitted sample; to determine the content of Lead(Pb) in the submitted sample; to screen the 224 substances of very high concern (SVHC) under Regulation (EC) No. 1907/2006 of REACH in the submitted sample(s).	pass
3.	Total Lead Content- -European Regulation (EC) No.1907/2006 of the Registration,Evaluation, Authorisation and Restriction of Chemicals (REACH)Annex XVII Item 63.	pass
4.	Total Cadmium Content- -European Regulation (EC) No.1907/2006 of the Registration Evaluation, Authorisation and Restriction of Chemicals (REACH) Annex XVII Item 23.	pass
5.	Bisphenol A Migration Content - As client's requirement , according to Appendix C to Annex II to Directive 2009/48/EC and amendment Directive 2017/898/EU	pass
6.	Phthalates -European Regulation (EC) No.1907/2006 of the Registration,Evaluation, Authorisation and Restriction of Chemicals (REACH) Annex XVII Item 51&52.	pass

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

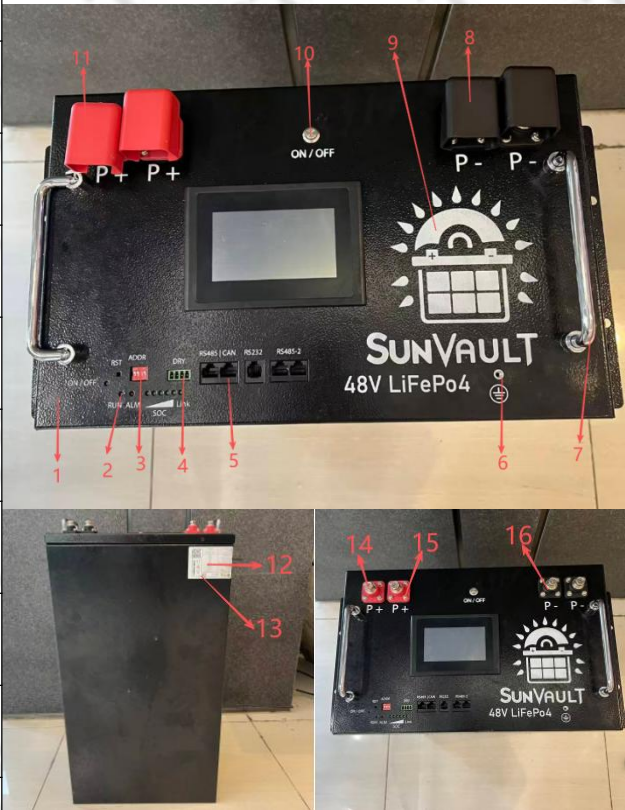
6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen,Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com

Sample Description:

Sample No	Sample description	Test photo group
1.	Black equipment housing	
2.	Status indicator light	
3.	Red plastic DIP switch	
4.	Green plastic terminal base	
5.	Black communication network port	
6.	Ground symbol printing ink	
7.	Metal carrying handle	
8.	Black insulating terminal cover	
9.	White printed logo pattern	
10.	Metal ON/OFF screw bolt	
11.	Red positive terminal insulating cover	
12.	Product specification label	
13.	Label printing ink	
14.	Copper positive terminal stud	
15.	Red terminal insulating washer	
16.	Black negative terminal insulating cover	

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com

Sample No	Sample description	Test photo group
17.	Black high-voltage cable sleeve	
18.	White wiring terminal connector	
19.	Red sampling wire	
20.	Lithium iron phosphate battery cell	
21.	Black sampling wire	
22.	Silver metal connecting busbar	
23.	Red wire insulating cap	
24.	BMS insulation heat dissipation board	
25.	Metal fixing screw	
26.	Thick black high voltage cable	
27.	Plastic wire cable clip	

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 5 of 63

Test method and Test equipment:

No.	Test Item	CAS No.	Test Method	Test Equipment
1	Anthracene	120-12-7	AFPS GS 2019:01 PAK	GC-MS
2	4,4'-Diaminodiphenylmethane	101-77-9	BS EN ISO 14362-1:2017	GC-MS
3	Dibutyl phthalate (DBP)	84-74-2	EN 14372:2004	GC-MS
4	5-tert-butyl-2,4,6-trinitro-m-Xylene(musk xylene)	81-15-2	EPA 3550C:2007	GC-MS
5	Bis(2-ethyl(phthalate))(DEHP)	117-81-7	EN 14372:2004	GC-MS
6	Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-51-7, 34237-50-6, 134237-52-8)	EPA 3550C:2007	GC-MS
7	Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins)	85535-84-8	EPA 8082A:2007 /EPA 8081B:2007	GC-MS
8	Benzyl butyl phthalate (BBP)	85-68-7	EN 14372:2004	GC-MS
9	Bis(tributyltin)oxide	56-35-9	BS ISO 17353:2004	GC-MS
10	Cobalt dichloride	7646-79-9	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996	ICP-OES IC-ECD
11	Diarsenic pentaoxide	1303-28-2	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996	ICP-OES
12	Diarsenic trioxide	1327-53-3	EPA 3052:1996	ICP-OES
13	Triethyl arsenate	15606-95-8	EPA 3052:1996	ICP-OES
14	Lead hydrogen arsenate	7784-40-9	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996	ICP-OES
15	Sodium dichromate, dihydrate	10588-01-9	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 / EPA 3060A:1996	ICP-OES Uv-Vis
16	Anthracene oil	90640-80-5	AFPS GS 2019:01 PAK	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 6 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	AFPS GS 2019:01 PAK	GC-MS
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	AFPS GS 2019:01 PAK	GC-MS
19	Anthracene oil, anthracene-low	90640-82-7	AFPS GS 2019:01 PAK	GC-MS
20	Anthracene oil, anthracene paste	90640-81-6	AFPS GS 2019:01 PAK	GC-MS
21	Diisobutyl phthalate	84-69-5	EN 14372:2004	GC-MS
22	2,4-Dinitrotoluene	121-14-2	EPA 3540C:1996	GC-MS
23	coal tar pitch,high temperature	65996-93-2	AFPS GS 2019:01 PAK	GC-MS
24	tris(2-chloroethyl)phosphate	115-96-8	EPA 3540C:1996	GC-MS
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996	ICP-OES Uv-Vis
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996	ICP-OES Uv-Vis
27	Lead chromate	7758-97-6	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996	ICP-OES Uv-Vis
28	Acrylamide	79-06-1	EPA 3550C:2007	GC-MS
29	Trichloroethylene	79-01-6	EPA 3550C:2007	GC-MS
30	Boric acid	11113-50-1	EPA 3051A:2007	ICP-OES
31	Disodium tetraborate, anhydrou	12179-04-3	EPA 3051A:2007	ICP-OES
32	tetraboron disodium heptaoxide hydrate	12267-73-1	EPA 3051A:2007	ICP-OES
33	Sodium chromate	7775-11-3	EPA 3051A:2007	ICP-OES
34	Potassium chromate	7789-00-6	EPA 3051A:2007	ICP-OES
35	Ammonium dichromate	7789-09-5	EPA 3051A:2007	ICP-OES
36	Potassium dichromate	7778-50-9	EPA 3051A:2007	ICP-OES

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 7 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
37	Cobalt sulfate	10124-43-3	EPA 3051A:2007	ICP-OES
38	Cobalt dinitrat	10141-05-6	EPA 3051A:2007	ICP-OES
39	Cobalt carbonate	513-79-1	EPA 3051A:2007	ICP-OES
40	Cobalt diacetate	71-48-7	EPA 3051A:2007	ICP-OES
41	2-Methoxyethanol	109-86-4	EPA 3540C:1996	GC-MS
42	2-Ethoxyethanol	110-80-5	EPA 3540C:1996	GC-MS
43	Chromium trioxide	1333-82-0	EPA 3060A:1996	Uv-Vis
44	Chromic acid	7738-94-5	EPA 3060A:1996	Uv-Vis
	Dichromic acid	13530-68-2		
	Oligomers of chromicacid and dichromic acid	--		
45	2- ethoxyethyl acetate	111-15-9	EPA 3550C:2007	GC-MS
46	strontium chromate	7789-06-2	EPA 3051A:2007	ICP-OES
47	1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters	68515-42-4	EPA 3550C:2007	GC-MS
48	Hydrazine	7803-57-8 302-01-2	EPA 3540C:1996	GC-MS
49	1-Methyl-2-pyrrolidinone	872-50-4	EPA 3550C:2007	GC-MS
50	1,2,3-trichloropropane	96-18-4	EPA 3540C:1996	GC-MS
51	1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters,C7-rich	71888-89-6	EPA 3550C:2007	GC-MS
52	Zirconia Aluminosilicate Refractory Ceramic Fibres	--	EPA 3051A:2007	ICP-OES
53	Calcium arsenate	7778-44-1	EPA 3051A:2007	ICP-OES
54	Bis(2-methoxyethyl) ether	111-96-6	EPA 3540C:1996	GC-MS
55	Aluminosilicate Refractory Ceramic Fibres	--	EPA 3051A:2007	ICP-OES
56	Chromate, hydroxyoctaoxodizincatedi-, potassium	11103-86-9	EPA 3051A:2007	ICP-OES
57	Lead dipicrate	6477-64-1	EPA 3051A:2007	ICP-OES

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen,Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 8 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
58	N,N-dimethylacetamide	127-19-5	EPA 3540C:1996	GC-MS
59	Arsenic acid	7778-39-4	EPA 3051A:2007	ICP-OES
60	2-Methoxyaniline; o-Anisidine	90-04-0	EPA 3540C:1996	GC-MS
61	Trilead diarsenate	3687-31-8	EPA 3540C:1996	GC-MS
62	1,2-dichloroethane	107-06-2	EPA 3540C:1996	GC-MS
63	Pentazinc chromate octahydroxide	49663-84-5	EPA 3052:1996	ICP-OES
64	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	EPA 3540C:1996	GC-MS
65	Formaldehyde, oligomeric reaction products aniline	25214-70-4	EPA 3060A:1996 EPA 3540C:1996	UV-Vis GC-MS
66	Bis(2-methoxyethyl) phthalate	117-82-8	EPA 3540C:1996	GC-MS
67	Lead diazide, Lead azide	13424-46-9	EPA 3052:1996	ICP-OES
68	Lead styphnate	15245-44-0	EPA 3052:1996	ICP-OES
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	EPA 3540C:1996	GC-MS
70	Phenolphthalein	77-09-8	EPA 3540C:1996	GC-MS
71	Dichromium tris(chromate)	24613-89-6	EPA 3052:1996	ICP-OES
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	EPA 3540C:1996	GC-MS
73	1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)	110-71-4	EPA 3540C:1996	GC-MS
74	Diboron trioxide	1303-86-2	EPA 3052:1996	ICP-OES
75	Formamide	75-12-7	EPA 3540C:1996	GC-MS
76	Lead(II)bis(methanesulfonate)	17570-76-2	EPA 3052:1996	ICP-OES
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	EPA 3540C:1996	GC-MS
78	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	EPA 3540C:1996	GC-MS
79	4,4'-bis(dimethylamino) benzophenone(Michler's ketone)	90-94-8	EPA 3540C:1996	GC-MS
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	EPA 3540C:1996	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 9 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	EPA 3540C:1996	GC-MS
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylenecyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	EPA 3540C:1996	GC-MS
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	EPA 3540C:1996	GC-MS
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	EPA 3540C:1996	GC-MS
85	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	EPA 3540C:1996	GC-MS
86	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	EPA 3540C:1996	GC-MS
87	N-methylacetamide	79-16-3	EPA 3540C:1996	GC-MS
88	Pentalead tetraoxide sulphate	12065-90-6	EPA 3052:1996	ICP-OES
89	Biphenyl-4-ylamine	202-177-1	EPA 3540C:1996	GC-MS
90	Dinoseb	88-85-7	EPA 3540C:1996	GC-MS
91	Dioxobis(stearato)trilead	12578-12-0	EPA 3052:1996	ICP-OES
92	Lead dinitrate	10099-74-8	EPA 3052:1996	ICP-OES
93	Tetralead trioxide sulphate	12202-17-4	EPA 3052:1996	ICP-OES
94	Lead oxide (lead monoxide)	1317-36-8	EPA 3052:1996	ICP-OES
95	Lead titanium trioxide	12060-00-3	EPA 3052:1996	ICP-OES
96	4,4'-methylenedi-o-toluidine	838-88-0	EPA 3540C:1996	GC-MS
97	Acetic acid, lead salt, basic	51404-69-4	EPA 3052:1996	ICP-OES
98	Dimethyl sulphate	77-78-1	EPA 3540C:1996	GC-MS
99	Furan	110-00-9	EPA 3540C:1996	GC-MS
100	Pyrochlore, antimony lead yellow	8012-00-8	EPA 3540C:1996	GC-MS
101	Tetraethyllead	78-00-2	EPA 3052:1996	ICP-OES

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 10 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
102	[Phthalato(2-)]dioxotrilead	69011-06-9	EPA 3052:1996	ICP-OES
103	Diethyl sulphate	64-67-5	EPA 3540C:1996	GC-MS
104	Lead cyanidate	20837-86-9	EPA 3052:1996	ICP-OES
105	Silicic acid, barium salt, lead-doped	68784-75-8	EPA 3052:1996	ICP-OES
106	Trilead dioxide phosphonate	12141-20-7	EPA 3052:1996	ICP-OES
107	o-Toluidine; 2-Aminotoluene	95-53-4	EPA 3540C:1996	GC-MS
108	o-aminoazotoluene	97-56-3	EPA 3540C:1996	GC-MS
109	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-03	EPA 3540C:1996	GC-MS
110	6-methoxy-m-toluidine (p-cresidine)	120-71-8	EPA 3540C:1996	GC-MS
111	Dibutyltin dichloride (DBT)	683-18-1	EPA 3540C:1996	GC-MS
112	Lead Titanium Zirconium Oxide	12626-81-2	EPA 3052:1996	ICP-OES
113	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	EPA 3540C:1996	GC-MS
114	1-bromopropane	106-94-5	EPA 3540C:1996	GC-MS
115	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	EPA 3052:1996	ICP-OES
116	Fatty acids, C16-18, lead salts	91031-62-8	EPA 3052:1996	ICP-OES
117	Lead tetroxide (orange lead)	1314-41-6	EPA 3052:1996	ICP-OES
118	Sulfurous acid, lead salt, dibasic	62229-08-7	EPA 3052:1996	ICP-OES
119	4,4'-oxydianiline and its salts	101-80-4	EPA 3540C:1996	GC-MS
120	lead oxide sulphate	12036-76-9	EPA 3052:1996	ICP-OES
121	Lead bis(tetrafluoroborate)	13814-96-6	EPA 3052:1996	ICP-OES
122	Silicic acid, lead salt	11120-22-2	EPA 3052:1996	ICP-OES
123	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	EPA 3540C:1996	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 11 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
124	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 3540C:1996	GC-MS
125	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	EPA 3540C:1996	GC-MS
126	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated – covering well-defined substances and UVCB substances, polymers and homologues	--	EPA 3540C:1996	GC-MS
127	1,2-Diethoxyethane	629-14-1	EPA 3540C:1996	GC-MS
128	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	EPA 3540C:1996	GC-MS
129	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride – HHPA)	85-42-7	EPA 3540C:1996	GC-MS
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	EPA 3540C:1996	GC-MS
131	N-pentyl-isopentylphthalate	--	EPA 3540C:1996	GC-MS
132	Heptacosafuorotetradecanoic acid	376-06-7	EPA 3540C:1996	GC-MS
133	Pentacosafuorotridecanoic acid	72629-94-8	EPA 3540C:1996	GC-MS
134	Henicosafuoroundecanoic acid	2058-94-8	EPA 3540C:1996	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 12 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
135	Tricosafuorododecanoic acid	307-55-1	EPA 3540C:1996	GC-MS
136	Methoxy acetic acid	625-45-6	EPA 3540C:1996	GC-MS
137	Diisopentylphthalate	605-50-5	EPA 3540C:1996	GC-MS
138	N,N-dimethylformamide; dimethyl formamide	68-12-2	EPA 3540C:1996	GC-MS
139	Cadmium	7440-43-9	EPA 3050B:1996	ICP-OES
140	Cadmium oxide	1306-19-0	EPA 3050B:1996	ICP-OES
141	Dipentyl phthalate (DPP)	131-18-0	EPA 3540C:1996	GC-MS
142	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]	--	EPA 3540C:1996	GC-MS
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	EPA 3540C:1996	GC-MS
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	EPA 3540C:1996	GC-MS
145	Cadmium Sulfide	1306-23-6	EPA 3050B:1996	ICP-OES
146	Di-N-Hexyl Phthalate	84-75-3	EPA 3540C:1996	GC-MS
147	Direct Red 28	573-58-0	EPA 3540C:1996	GC-MS
148	Direct Black 38	1937-37-7	EPA 3540C:1996	GC-MS
149	Ethlenethiourea	96-45-7	EPA 3540C:1996	GC-MS
150	Acetic Acid	301-04-2	EPA 3050B:1996	ICP-OES
151	Trixylyl Phosphate	25155-23-1	EPA 3540C:1996	GC-MS
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4.	EPA 3540C:1996	GC-MS
153	Cadmium chloride	10108-64-2.	EPA 3050B:1996	ICP-OES

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 13 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
154	Sodium perborate; perboric acid, sodium salt	--	EPA 3050B:1996	ICP-OES
155	Sodium peroxometaborate	7632-4-4	EPA 3050B:1996	ICP-OES
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	EPA 3540C:1996	GC-MS
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	EPA 3540C:1996	GC-MS
158	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 3540C:1996	GC-MS
159	2-(2H-benzotriazol-2-yl)-4,6-ditert-pentylphenol (UV-328)	25973-55-1	EPA 3540C:1996	GC-MS
160	Cadmium fluoride	7790-79-6	EPA 3050B:1996	ICP-OES
161	Cadmium sulphate	10124-36-4, 31119-53-6	EPA 3050B:1996	ICP-OES
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68515-51-5 68648-93-1	EPA 3540C:1996	GC-MS
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]	--	EPA 3540C:1996	GC-MS
164	1,3-propanesultone	1120-71-4	EPA 3540C:1996	GC-MS
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	3864-99-1	EPA 3540C:1996	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 14 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	36437-37-3	EPA 3540C:1996	GC-MS
167	Nitrobenzene	98-95-3	EPA 3540C:1996	GC-MS
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	375-95-1 21049-39-8 4149-60-4	EPA 3540C:1996	GC-MS
169	Benzo[a]pyrene	50-32-8	AFPS GS 2019:01	GC-MS
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	EPA 3540C:1996	GC-MS
171	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 3050B:1996	ICP-OES
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	EPA 3540C:1996	GC-MS
173	p-(1,1-dimethylpropyl)phenol	80-46-6	EPA 3540C:1996	GC-MS
174	Perfluorohexane-1-sulphonic acid and its salts	--	EPA 3540C:1996	GC-MS
175	Benz[a]anthracene	56-55-3, 1718-53-2	AFPS GS 2019:01	GC-MS
176	Cadmium carbonate	513-78-0	EPA 3050B:1996	ICP-OES
177	Cadmium hydroxide	21041-95-2	EPA 3050B:1996	ICP-OES
178	Cadmium nitrate	10022-68-1, 10325-94-7	EPA 3050B:1996	ICP-OES
179	Chrysene	218-01-9, 1719-03-5	EPA 3540C:1996	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 15 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
180	Dodecachloropentacyclo[12.2.1.16, 9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	--	EPA 3540C:1996	GC-MS
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 (4-HPbl)	--	EPA 3050B:1996	ICP-OES
182	Octamethylcyclotetrasiloxane D4	556-67-2	EPA 3540C:1996	GC-MS
183	Decamethylcyclopentasiloxane D5	541-02-6	EPA 3540C:1996	GC-MS
184	Dodecamethylcyclohexasiloxane D6	540-97-6	EPA 3540C:1996	GC-MS
185	Lead	7439-92-1	EPA 3050B:1996	ICP-OES
186	Disodium octaborate	12008-41-2	EPA 3050B:1996	ICP-OES
187	Benzo[ghi]perylene	191-24-2	AFPS GS 2019:01 PAK	GC-MS
188	Terphenyl, hydrogenated	61788-32-7	EPA 3540C:1996	GC-MS
189	Ethylenediamine EDA	107-15-3	EPA 3540C:1996	GC-MS
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	552-30-7	EPA 3540C:1996	GC-MS
191	Dicyclohexyl phthalate DCHP	84-61-7	EPA 3540C:1996	GC-MS
192	1,7,7-trimethyl-3-(phenylmethylen e)bicyclo[2.2.1]heptan-2-one	15087-24-8	EPA 3540C:1996	GC-MS
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	EPA 3540C:1996	GC-MS
194	Benzo[k]fluoranthene	207-08-9	AFPS GS 2019:01 PAK	GC-MS
195	Fluoranthene	206-44-0; 93951-69-0	AFPS GS 2019:01 PAK	GC-MS
196	Phenanthrene	85-01-8	AFPS GS 2019:01 PAK	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 16 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
197	Pyrene	129-00-0; 1718-52-1	AFPS GS 2019:01 PAK	GC-MS
198	2-methoxyethyl acetate	110-49-6	EPA 3540C:1996	GC-MS
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq$ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	EPA 3540C:1996	GC-MS
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	--	EPA 3540C:1996	GC-MS
201	4-tert-butylphenol	98-54-4	EPA 3540C:1996	GC-MS
202	Perfluorobutane sulfonic acid (PFBS) and its salts	--	EPA 3540C:1996	GC-MS
203	Diisohexyl phthalate	71850-09-4	EPA 3540C:1996	GC-MS
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	EPA 3540C:1996	GC-MS
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	EPA 3540C:1996	GC-MS
206	1-vinylimidazole	1072-63-5	EPA 3540C:1996	GC-MS
207	2-methylimidazole	693-98-1	EPA 3540C:1996	GC-MS
208	Butyl 4-hydroxybenzoate	94-26-8	EPA 3540C:1996	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 17 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
209	Dibutylbis(pentane-2,4-dionat o-O,O')tin	22673-19-4	EPA 3540C:1996	GC-MS
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	EPA 3540C:1996	GC-MS
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	--	EPA 3540C:1996	GC-MS
212	1,4-dioxane	123-91-1	EPA 3540C:1996	GC-MS
213	2,2-bis(bromomethyl)propan-1,3-dio l(BMP) 2,2-dimethylpropan-1-ol,tribromo derivative/3-bromo-2,2-bis(bromomet hyl)-1-propanol(TBNPA) 2,3-dibromo-1-propanol(2,3-DBPA)	3296-90-0 36483-57-5/1 522-92-5 96-13-9	EPA 3540C:1996	GC-MS
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	EPA 3540C:1996	GC-MS
215	4,4'-(1-mentylpropylidene)bisphenol(b isphenol B)	77-40-7	EPA 3540C:1996	GC-MS
216	Glutaral	111-30-8	EPA 3540C:1996	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Ding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 18 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
217	Medium-chain chlorinated paraffins(MCCP)[UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	EPA 3540C:1996	GC-MS
218	Orthoboric acid,sodium salt	13840-56-7	EPA 3540C:1996	GC-MS
219	Phenol,alkylation products(mainly in para position)with C12-rich branched or linear alkyl chains from oligomerisation,covering any individual isomers and/or combinations thereof(PDDP)	-	EPA 3540C:1996	GC-MS
220	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	EPA 3540C:1996	GC-MS
221	S-(tricyclo(5.2.1.0 ² .6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	EPA 3540C:1996	GC-MS
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	EPA 3540C:1996	GC-MS
223	(±)-1,7,7-trimethyl-3-[(4-methylphenyl) methylene] bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	EPA 3540C:1996	GC-MS
224	N-(hydroxymethyl)acrylamide	924-42-5	EPA 3540C:1996	GC-MS
225	1,1'-[ethane-1,2-diylbis(oxy)] bis[2,4,6-tribromobenzene]	37853-59-1	EPA 3540C:1996	GC-MS
226	2,2',6,6'-tetrabrom o-4,4'-isopropylidenediphenol	79-94-7	EPA 3540C:1996	GC-MS/LC-MS
227	4,4'-sulphonyldiphenol	80-09-1	EPA 3540C:1996	GC-MS/LC-MS
228	Barium diboron tetraoxide	13701-59-2	EPA 3050B:1996	ICP-OES

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 19 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	--	EPA 3540C:1996	GC-MS
230	Isobutyl 4-hydroxybenzoate	4247-02-3	EPA 3540C:1996	GC-MS
231	Melamine	108-78-1	EPA 3540C:1996	GC-MS
232	Perfluoroheptanoic acid and its salts	--	EPA 3540C:1996	GC-MS
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoro propan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	--	EPA 3540C:1996	GC-MS
234	N-(hydroxymethyl)acrylamide	924-42-5	EPA 3540C:1996	GC-MS
235	1,1'-[ethane-1,2-diylbis(oxy)] bis [2,4,6-tribromobenzene]	37853-59-1	EPA 3540C:1996	GC-MS
236	2,4,6-tri-tert-butylphenol	732-26-3	EPA 3540C:1996	GC-MS
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	EPA 3540C:1996	GC-MS/ LC-MS
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	EPA 3540C:1996	GC-MS
239	Bumetizole (UV-326)	3896-11-5	EPA 3540C:1996	GC-MS/ LC-MS
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyrenated EC No.: 270-966-8 CAS No.: 68512-30-1	--	EPA 3540C:1996	GC-MS/ LC-MS
241	Bis(α, α'-dimethylbenzyl) peroxide	80-43-3	EPA 3540C:1996	GC-MS/ LC-MS
242	Triphenyl phosphate	115-86-6	EPA 3540C:1996	GC-MS
243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	EPA 3540C:1996	GC-MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 20 of 63

No.	Test Item	CAS No.	Test Method	Test Equipment
244	O,O,O-triphenyl phosphorothioate	597-82-0	EPA 3540C:1996	GC-MS
245	Octamethyltrisiloxane	107-51-7	EPA 3540C:1996	GC-MS
246	Perfluamine	338-83-0	EPA 3540C:1996	GC-MS
247	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	EPA 3540C:1996	GC-MS
248	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-c hloro-6-({2-[(4-fluoro-6-{[4- (vinylsulfonyl)phenyl]amino}-1,3,5- triazine-2-yl)amino]propyl}a mino)-1,3,5-triazine-2-yl]amino}-5- sulfonato-1-naphthyl)diazeny l]-5-methoxyphenyl}diazenyl]-1,3,6 -naphthalenetrisulfonate (Reactive Brown 51)	-	EPA 3540C:1996	GC-MS
249	Decamethyltetrasiloxane	141-62-8	EPA 3540C:1996	GC-MS
250	1,1,1,3,5,5,5-heptamethyl-3-[(trimet hylsilyl)oxy]trisiloxane	17928-28-8	EPA 3540C:1996	GC-MS
251	1,1'-(ethane-1,2-diyl)bis[pentabrom obenzene] (DBDPE)	84852-53-9	EPA 3540C:1996	GC-MS
252	n-hexane	110-54-3	GC-MS	GC-MS
253	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)e thylidene]diphenol and its salts	-	LC-MS/MS	LC-MS/MS

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 21 of 63

Test Results:PASS

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
1	Anthracene	0.005	N.D.	--	PBT
2	4,4'-Diaminodiphenylmethane	0.005	N.D.	--	Carcinogen Category 2
3	Dibutyl phthalate (DBP)	0.005	N.D.	--	Toxic for reproduction Category 2
4	5-tert-butyl-2,4,6-trinitro-m-Xylene(musk xylene)	0.005	N.D.	--	vPvB
5	Bis(2-ethyl(phthalate)(DEHP)	0.005	N.D.	--	Toxic for reproduction Category 2
6	Hexabromocyclododecane(HB CDD)	0.005	N.D.	--	PBT
7	Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins)	0.01	N.D.	--	PBT
8	Benzyl butyl phthalate (BBP)	0.005	N.D.	--	Toxic for reproduction Category 2
9	Bis(tributyltin)oxide(TBTO)*	0.005	N.D.	--	PBT
10	Cobalt dichloride**	0.005	N.D.	N.D.	Carcinogen category 2
11	Diarsenic pentaoxide**	0.005	N.D.	N.D.	Carcinogen category 1
12	Diarsenic trioxide**	0.005	N.D.	N.D.	Carcinogen category 1
13	Triethyl arsenate**	0.005	N.D.	N.D.	Carcinogen category 1
14	Lead hydrogen arsenate**	0.005	N.D.	N.D.	Carcinogen category 1; Toxic for reproduction Category 1
15	Sodium dichromate**	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2
16	Anthracene oil	0.005	N.D.	--	PBT
17	Anthracene oil, anthracene paste, distn. Lights	0.005	N.D.	--	PBT
18	Anthracene oil, anthracene paste, anthracene fraction	0.005	N.D.	--	PBT

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 22 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
19	Anthracene oil,anthracene-low	0.005	N.D.	--	PBT
20	Anthracene oil, anthracene paste	0.050	N.D.	--	PBT
21	Diisobutyl phthalate	0.005	N.D.	--	Toxic for reproduction Category 2
22	2,4-Dinitrotoluene	0.005	N.D.	--	Carcinogen category 2
23	coal tar pitch, high temperature	0.050	N.D.	--	PBT; Carcinogen category 2
24	tris(2-chloroethyl)phosphate	0.005	N.D.	--	Carcinogen category 2; Toxic for reproduction Category 1
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 1
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 1
27	Lead chromate	0.005	N.D.	N.D.	Carcinogen category 1; Toxic for reproduction Category 1
28	Acrylamide	0.005	N.D.	--	Carcinogen category 2:Mutagen category 2
29	Trichloroethylene	0.005	N.D.	--	Carcinogen category 2
30	Boric acid	0.005	N.D.	N.D.	Toxic for reproduction category 2
31	Disodium tetraborate, anhydrou	0.005	N.D.	N.D.	Toxic for reproduction category 2
32	tetraboron disodium heptaoxide hydrate	0.005	N.D.	N.D.	Toxic for reproduction category 2
33	Sodium chromate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2
34	Potassium chromate	0.005	N.D.	N.D.	Carcinogen category 2; Mutagen Category 2
35	Ammonium dichromate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2;Mutagen Category 2
36	Potassium dichromate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2;Mutagen Category 2

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen,Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 23 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
37	Cobalt sulfate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2
38	Cobalt dinitrat	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2
39	Cobalt carbonate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2
40	Cobalt diacetate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2
41	2-Methoxyethanol	0.005	N.D.	--	Toxic for reproduction Category 2
42	2-Ethoxyethanol	0.005	N.D.	--	Toxic for reproduction Category 2
43	Chromium trioxide	0.005	N.D.	N.D.	Carcinogen category 2;Mutagen Category 2
44	Chromic acid	0.005	N.D.	N.D.	Carcinogen category 2
	Dichromic acid				
	Oligomers of chromicacid and dichromic acid				
45	2- ethoxyethyl acetate	0.005	N.D.	--	Toxic for reproduction Category 2
46	Strontium chromate	0.005	N.D.	N.D.	Carcinogen category 2
47	1,2-Benzenedicarboxylicacid,di-(C7-11)-branched and linear alkyl esters	0.005	N.D.	--	Toxic for reproduction Category 2
48	Hydrazine	0.005	N.D.	--	Carcinogen category 2
49	1-Methyl-2-pyrrolidinone	0.005	N.D.	--	Toxic for reproduction Category 2
50	1,2,3-trichloropropane	0.005	N.D.	--	Carcinogen category 2; Toxic for reproduction Category 2
51	1,2-Benzenedicarboxylic acid,di-(C7-11)-branched and linear alkyl esters,C7-rich	0.005	N.D.	--	Toxic for reproduction Category 2;
52	Zirconia Aluminosilicate Refractory Ceramic Fibres	0.005	N.D.	N.D.	Carcinogen category 2

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen,Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 24 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
53	Calcium arsenate	0.005	N.D.	N.D.	Carcinogen category 2
54	Bis(2-methoxyethyl) ether	0.005	N.D.	--	Toxic for reproduction Category 2
55	Aluminosilicate Refractory Ceramic Fibres	0.005	N.D.	N.D.	Carcinogen category 2
56	Potassium hydroxyoctaoxodizincatedichromate	0.005	N.D.	N.D.	Carcinogen category 2
57	Lead dipicrate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
58	N,N-dimethylacetamide	0.005	N.D.	--	Toxic for reproduction Category 2
59	Arsenic acid	0.005	N.D.	N.D.	Carcinogen category 2
60	2-Methoxyaniline; o-Anisidine	0.005	N.D.	--	Carcinogen category 2
61	Trilead diarsenate	0.005	N.D.	--	Carcinogen category 2; Toxic for reproduction Category 2
62	1,2-dichloroethane	0.005	N.D.	--	Carcinogen category 2
63	Pentazinc chromate octahydroxide	0.005	N.D.	N.D.	Carcinogen category 2
64	4-(1,1,3,3-tetramethylbutyl)phenol	0.005	N.D.	--	Carcinogen category2; Toxic for reproduction Category 2
65	Formaldehyde, oligomeric reaction products with aniline	0.005	N.D.	--	Carcinogen category 2
66	Bis(2-methoxyethyl) phthalate	0.005	N.D.	--	Toxic for reproduction Category 2
67	Lead diazide, Lead azide	0.005	N.D.	N.D.	Toxic for reproduction Category 2
68	Lead styphnate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
69	2,2'-dichloro-4,4'-methylenedianiline	0.005	N.D.	--	Carcinogen category 2
70	Phenolphthalein	0.005	N.D.	--	Carcinogen category 2
71	Dichromium tris(chromate)	0.005	N.D.	N.D.	Carcinogen category 2

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 25 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
72	1,2-bis(2-methoxyethoxy) Ethane (TEGDME; triglyme)	0.005	N.D.	--	Toxic for reproduction Category 2
73	1,2-dimethoxyethane; ethyleneglycol dimethyl ether (EGDME)	0.005	N.D.	--	Toxic for reproduction Category 2
74	Diboron trioxide	0.005	N.D.	N.D.	Toxic for reproduction Category 2
75	Formamide	0.005	N.D.	--	Toxic for reproduction Category 2
76	Lead(II)bis(methanesulfonate)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
77	TGIC(1,3,5-tris(oxiranylmethyl-1 ,3,5-triazine-2,4,6-(1H,3H,5H)-tr ione)	0.005	N.D.	--	Mutagenic category 2
78	β -TGIC(1,3,5-tris[(2S and2R)-2,3-epoxypropyl]-1,3,5-t riazine-2,4,6-(1H,3H,5H)-trione)	0.005	N.D.	--	Mutagenic category 2
79	4,4'-bis(dimethylamino) Benzophenone(Michler's ketone)	0.005	N.D.	--	Carcinogen category 2
80	N,N,N',N'-tetramethyl-4,4'-methyl enedianiline (Michler's base)	0.005	N.D.	--	Carcinogen category 2
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa -2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	0.005	N.D.	--	Carcinogen category 2
82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-die n-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	0.005	N.D.	--	Carcinogen category 2
83	α,α -Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol(C.I. Solvent Blue 4)	0.005	N.D.	--	Carcinogen category 2

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 26 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
84	4,4'-bis(dimethylamino)-4''-(meth ylamino) trityl alcohol	0.005	N.D.	--	Carcinogen category 2
85	3-ethyl-2-methyl-2-(3-methylb utyl)-1,3-oxazolidine	0.005	N.D.	--	Toxic for reproduction Category 2
86	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	0.005	N.D.	--	Carcinogen category 2
87	N-methylacetamide	0.005	N.D.	--	Toxic for reproduction Category 2
88	Pentalead tetraoxide sulphate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
89	Biphenyl-4-ylamine	0.005	N.D.	--	Carcinogen category 2
90	Dinoseb	0.005	N.D.	--	Toxic for reproduction Category 2
91	Dioxobis(stearato)trilead	0.005	N.D.	N.D.	Toxic for reproduction Category 2
92	Lead dinitrate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
93	Tetralead trioxide sulphate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
94	Lead oxide (lead monoxide)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
95	Lead titanium trioxide	0.005	N.D.	N.D.	Toxic for reproduction Category 2
96	4,4'-methylenedi-o-toluidine	0.005	N.D.	--	Carcinogen category 2
97	Acetic acid, lead salt, basic	0.005	N.D.	N.D.	Toxic for reproduction Category 2
98	Dimethyl sulphate	0.005	N.D.	--	Carcinogen category 2
99	Furan	0.005	N.D.	--	Carcinogen category 2
100	Pyrochlore, antimony lead yellow	0.005	N.D.	--	Toxic for reproduction Category 2
101	Tetraethyllead	0.005	N.D.	N.D.	Toxic for reproduction Category 2
102	[Phthalato(2-)]dioxotrilead	0.005	N.D.	N.D.	Toxic for reproduction Category 2
103	Diethyl sulphate	0.005	N.D.	--	Carcinogen category 2

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 27 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
104	Lead cynamidate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
105	Silicic acid, barium salt, lead-doped	0.005	N.D.	N.D.	Toxic for reproduction Category 2
106	Trilead dioxide phosphonate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
107	o-Toluidine; 2-Aminotoluene	0.005	N.D.	--	Carcinogen category 2
108	o-aminoazotoluene	0.005	N.D.	--	Carcinogen category 2
109	4-Aminoazobenzene; 4-Phenylazoaniline	0.005	N.D.	--	Carcinogen category 2
110	6-methoxy-m-toluidine (p-cresidine)	0.005	N.D.	--	Carcinogen category 2
111	Dibutyltin dichloride (DBT)	0.005	N.D.	--	Toxic for reproduction Category 2
112	Lead Titanium Zirconium Oxide	0.005	N.D.	N.D.	Toxic for reproduction Category 2
113	Propylene oxide; 1,2-epoxypropane; methyloxirane	0.005	N.D.	--	Carcinogen category 2
114	1-bromopropane	0.005	N.D.	--	Toxic for reproduction Category 2
115	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
116	Fatty acids, C16-18, lead salts	0.005	N.D.	N.D.	Toxic for reproduction Category 2
117	Lead tetroxide (orange lead)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
118	Sulfurous acid, lead salt, dibasic	0.005	N.D.	N.D.	Toxic for reproduction Category 2
119	4,4'-oxydianiline and its salts	0.005	N.D.	--	Carcinogen category 2
120	lead oxide sulphate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
121	Lead bis(tetrafluoroborate)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
122	Silicic acid, lead salt	0.005	N.D.	N.D.	Toxic for reproduction Category 2

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 28 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
123	Bis(pentabromophenyl) ether (DecaBDE)	0.005	N.D.	--	PBT
124	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 ora combination thereof	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
125	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
126	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
127	1,2-Diethoxyethane	0.005	N.D.	--	Toxic for reproduction Category 2
128	Hexahydromethylphthalic anhydrideHexahydro-4-methylphthalic anhydrideHexahydro-1-methylphthalic anhydrideHexahydro-3-methylphthalic anhydride	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
129	Cyclohexane-1,2-dicarboxylic anhydride(Hexahydrophthalic anhydride - HHPA)	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
130	1,2-Benzenedicarboxylic acid, dipentylester, branchedand linear	0.005	N.D.	--	Toxic for reproduction Category 2
131	N-pentyl-isopentylphtalate	0.005	N.D.	--	Toxic for reproduction Category 2

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 29 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
132	Heptacosafuorotetradecanoic acid	0.005	N.D.	--	vPvB
133	Pentacosafuorotridecanoic acid	0.005	N.D.	--	vPvB
134	Henicosafuoroundecanoic acid	0.005	N.D.	--	vPvB
135	Tricosafuorododecanoic acid	0.005	N.D.	--	vPvB
136	Methoxy acetic acid	0.005	N.D.	--	Toxic for reproduction Category 2
137	Diisopentylphthalate	0.005	N.D.	--	Toxic for reproduction Category 2
138	N,N-dimethylformamide; dimethyl formamide	0.005	N.D.	--	Toxic for reproduction Category 2
139	Cadmium	0.001	N.D.	N.D.	Carcinogen category 2
140	Cadmium oxide	0.001	N.D.	N.D.	Carcinogen category 2
141	Dipentyl phthalate (DPP)	0.005	N.D.	--	Toxic for reproduction Category 2
142	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]	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
143	Ammonium pentadecafluorooctanoate(A PFO)	0.005	N.D.	--	Toxic for reproduction Category 2
144	Pentadecafluorooctanoic acid (PFOA)	0.005	N.D.	--	Toxic for reproduction Category 2
145	Cadmium Sulfide	0.001	N.D.	N.D.	Carcinogenic

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 30 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
146	Di-N-Hexyl Phthalate	0.005	N.D.	--	Carcinogenic
147	Direct Red 28	0.005	N.D.	--	Carcinogenic
148	Direct Black 38	0.005	N.D.	--	Toxic for reproduction
149	Ethlenethiourea	0.005	N.D.	--	Toxic for reproduction
150	Acetic Acid	0.001	N.D.	N.D.	Toxic for reproduction
151	Trixylyl Phosphate	0.005	N.D.	--	Toxic for reproduction
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	0.005	N.D.	--	Toxic for reproduction
153	Cadmium chloride	0.005	N.D.	N.D.	Toxic for reproduction
154	Sodium perborate; perboric acid, sodium salt	0.005	N.D.	N.D.	Toxic for reproduction
155	Sodium peroxometaborate	0.005	N.D.	N.D.	Toxic for reproduction
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	0.005	N.D.	--	PBT, vPvB
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	0.005	N.D.	--	Toxic for reproduction
158	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-stannate tradecanoate (reaction mass of DOTE and MOTE)	0.005	N.D.	--	Toxic for reproduction

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 31 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
159	2-(2H-benzotriazol-2-yl)-4,6-di tertpentylphenol (UV-328)	0.005	N.D.	--	PBT, vPvB
160	Cadmium fluoride	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
161	Cadmium sulphate	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters;1,2-benzenedicarboxyli c acid, mixed decyl and hexyl and octyl diesters	0.005	N.D.	N.D.	Toxic for reproduction
163	5-sec-butyl-2-(2,4-dimethylcycl ohex-3-en-1-yl)-5-methyl-1,3-d ioxane [1],5-sec-butyl-2-(4,6-dimethylc ycl ohex-3-en-1-yl)-5-methyl-1,3-d ioxane [2]	0.005	N.D.	N.D.	vPvB
164	1,3-propanesultone	0.005	N.D.	--	Carcinogenic, Mutagenic
165	2,4-di-tert-butyl-6-(5-chloroben zotriazol-2-yl)phenol	0.005	N.D.	--	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert- butyl)-6-(sec-butyl)phenol	0.005	N.D.	--	vPvB
167	Nitrobenzene	0.005	N.D.	--	Toxic for reproduction
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- heptadecafluorononanoic acid and its sodium and ammonium salts	0.005	N.D.	--	Toxic for reproduction
169	Benzo[a]pyrene	0.005	N.D.	--	vPvB
170	4,4'-isopropylidenediphenol (bisphenol A)	0.005	N.D.	--	Toxic for reproduction

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 32 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
171	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]	0.005	N.D.	--	Equivalent level of concern having probable serious effects to the environment
172	Nonadecafluorodecanoic acid(PFDA) and its sodium and ammonium salts	0.005	N.D.	--	Toxic for reproduction ; PBT
173	p-(1,1-dimethylpropyl)phenol	0.005	N.D.	--	Equivalent level of concern having probable serious effects to the environment
174	Perfluorohexane-1-sulphonic acid and its salts	0.005	N.D.	--	vPvB
175	Benz[a]anthracene	0.005	N.D.	--	PBT, vPvB
176	Cadmium carbonate	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
177	Cadmium hydroxide	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
178	Cadmium nitrate	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
179	Chrysene	0.005	N.D.	--	PBT, vPvB
180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	0.005	N.D.	--	vPvB

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 33 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear (4-HPbl)	0.005	N.D.	N.D.	Endocrine disrupting properties
182	Octamethylcyclotetrasiloxane D4	0.005	N.D.	--	PBT, vPvB
183	Decamethylcyclopentasiloxane D5	0.005	N.D.	--	PBT, vPvB
184	Dodecamethylcyclohexasiloxane D6	0.005	N.D.	--	PBT, vPvB
185	Lead	0.005	N.D.	N.D.	Toxic for reproduction
186	Disodium octaborate	0.005	N.D.	N.D.	Toxic for reproduction
187	Benzo[ghi]perylene	0.005	N.D.	--	PBT, vPvB
188	Terphenyl, hydrogenated	0.005	N.D.	--	vPvB
189	Ethylenediamine EDA	0.005	N.D.	--	Respiratory sensitising properties
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	0.005	N.D.	--	Respiratory sensitising properties
191	Dicyclohexyl phthalate DCHP	0.005	N.D.	--	Toxic for reproduction, Endocrine disrupting properties
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - environment)
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	0.005	N.D.	--	Toxic for reproduction (Article 57c)
194	Benzo[k]fluoranthene	0.005	N.D.	--	Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)
195	Fluoranthene	0.005	N.D.	--	PBT (Article 57d)#vPvB (Article 57e)
196	Phenanthrene	0.005	N.D.	--	vPvB (Article 57e)

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 34 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
197	Pyrene	0.005	N.D.	--	PBT (Article 57d)#vPvB (Article 57e)
198	2-methoxyethyl acetate	0.005	N.D.	--	Toxic for reproduction (Article 57c)
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - environment)
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	0.005	N.D.	--	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)Equivalent level of concern having probable serious effects to the environment (Article 57(f)-environment)
201	4-tert-butylphenol	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - environment)
202	Perfluorobutane sulfonic acid (PFBS) and its salts	0.05	N.D.	--	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)Equivalent level of concern having probable serious effects to the environment (Article 57(f)-environment)
203	Diisohexyl phthalate	0.005	N.D.	--	Toxic for reproduction (Article 57c)
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	0.005	N.D.	--	Toxic for reproduction (Article 57c)
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	0.005	N.D.	--	Toxic for reproduction (Article 57c)
206	1-vinylimidazole	0.005	N.D.	--	Toxic for reproduction (Article 57c)
207	2-methylimidazole	0.005	N.D.	--	Toxic for reproduction (Article 57c)

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 35 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
208	Butyl 4-hydroxybenzoate	0.005	N.D.	--	Endocrine disrupting properties(Article 57(f) - human health)
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	0.005	N.D.	--	Toxic for reproduction (Article57c)
210	Bis(2-(2-methoxyethoxy)ethyl)ether	0.005	N.D.	N.D.	Toxic for reproduction (Article57c)
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	0.005	N.D.	N.D.	Toxic for reproduction (Article 57c)
212	1,4-Dioxane (dioxane)	0.005	N.D.	N.D.	Equivalent level of concern - probable serious effects on the environment
213	2,2-bis(bromomethyl)-1,3-propanediol (BMP)Tribromoneopentanol (TBNPA)2,3-Dibromo-1-propanol (2,3-DBPA)	0.005	N.D.	N.D.	vPvB
214	2-(4-tert-butylbenzyl) propanal and its stereoisomers	0.005	N.D.	N.D.	Toxic for reproduction
215	4,4'-(1-methylpropylene) bisphenol; (bisphenol B)	0.005	N.D.	N.D.	Endocrine disrupting properties
216	Glutaraldehyde	0.005	N.D.	N.D.	Respiratory sensitising properties
217	Medium chain chlorinated paraffin (MCCP) [UVCB substance, composed of ≥80% linear chlorinated alkanes, carbon chain length between C14 and C17]	0.005	N.D.	N.D.	vPvB, Toxic for reproduction
218	Sodium borate	0.005	N.D.	N.D.	Toxic for reproduction

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 36 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
219	Carbon chain (mainly C12, straight chain or branched chain) mainly in the para position of alkylphenol substances and any single isomer or combination (PDDP)	0.005	N.D.	N.D.	Endocrine disrupting properties Toxic for reproduction
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	0.005	N.D.	N.D.	Toxic for reproduction
221	tris(2-methoxyethoxy)vinylsilane	0.005	N.D.	N.D.	Toxic for reproduction
222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	0.005	N.D.	N.D.	Endocrine disrupting properties
223	S-(tricyclo(5.2.1.0 ^{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	0.005	N.D.	N.D.	PBT
224	N-hydroxymethylalanamide	0.005	N.D.	--	vPvB
225	N-hydroxymethylacrylamide and resorcinol	0.005	N.D.	--	Toxic for reproduction
226	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	0.005	N.D.	--	vPvB (Article 57e)
227	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	0.005	N.D.	--	Carcinogenic (Article 57a)
228	4,4'-sulphonyldiphenol	0.005	N.D.	--	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
229	Barium diboron tetraoxide	0.005	N.D.	--	Toxic for reproduction (Article 57c)

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 37 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
230	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	0.005	N.D.	--	vPvB (Article 57e)
231	Isobutyl 4-hydroxybenzoate	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - human health)
232	Melamine	0.005	N.D.	--	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)
233	Perfluoroheptanoic acid and its salts	0.005	N.D.	--	Toxic for reproduction (Article 57c)Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
234	4,4' -dichlorodiphenylsulfone	0.005	N.D.	--	For the synthesis of engineering plastics, dyes and polymers, such as, polysulfone, polyether sulfone, polyether ether ketone, etc

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 38 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
235	Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	0.005	N.D.	--	UV curing coating and ink, mostly used in white system, can be used for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, etc.; because the absorption peak of KLTPPO is longer than the conventional initiator, the effective absorption peak is 350-400nm, can be absorbed to about 420nm, can be used as a high efficiency light initiator of styrene unsaturated polyester and acrylic Plastic. Suitable for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, photoresist, photopolymer printing plate, stereoscopic flat plate Plastic, composite material, tooth filling material, etc. After illumination, benzoyl and phosphoryl radicals can be generated, which can trigger polymerization and accelerate the speed of photobleaching, which can meet the requirements of deep curing of thick film and constant yellow coating. Because of low volatilization, no residue, especially suitable for requiring low odor products and transparent coating
236	2,4,6-tri-tert-butylpheno	0.005	N.D.	--	Production of another substance; mixture configuration and for fuel products

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 39 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	0.005	N.D.	--	Air care products, paint products, adhesives and sealants, lubricants and greases, polish and waxes, and washing and cleaning products
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	0.005	N.D.	--	Ink and toner, paint products
239	Bumetrizole	0.005	N.D.	--	Coating products, adhesives and sealants, and washing and cleaning products
240	Oligomerisation and alkylation reaction products of 2-phenylpropene andphenol	0.005	N.D.	--	Adhesive and sealants, paint products, fillers, putty, plaster, molding clay, ink, toner, and polymers.
241	Bis(a,a-dimethylbenzyl) peroxide	0.005	N.D.	--	Toxic forreproduction(Article 57c)
242	Triphenyl phosphate	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f)-environment)
243	Octamethyl trisiloxane	0.005	N.D.	--	PBT (clause 57d)
244	O,O,O-triphenyl phosphorothioate	0.005	N.D.	--	PBT (clause 57d)
245	perfluamine	0.005	N.D.	--	PBT (clause 57d)
246	Tris(4-nonylphenyl,branched and linear)phosphite	0.005	N.D.	--	PBT (clause 57d)
247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid	0.005	N.D.	--	Article 57a
248	1,1,1,3,5,5,5-Heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	0.1	N.D.	--	vPvB (Article 57e)
249	Decamethyltetrasiloxane	0.1	N.D.	--	vPvB (Article 57e)

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen,Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com

Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 40 of 63

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
250	Tetrakis(sodium/potassium) 7-[(E)-{2-acetylamino-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-[(4-(vinyl sulfonyl)phenyl]amino)-1,3,5-triazin-2-yl)amino]propyl)amino)-1,3,5-triazin-2-yl]amino}-5-sulfonyl-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	0.1	N.D.	--	Toxic for reproduction (Article 57c)
251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	0.1	N.D.	--	Very persistent and very bioaccumulative, vPvB (Article 57e)
252	n-hexane	0.005	N.D.	—	Specific target organ toxicity after repeated exposure (Article 57f) - human health
253	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts	0.005	N.D.	—	Toxic for reproduction (Article 57c)

Note:

1. A= Nonmetal. B=Metal;
2. “*”=Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT results. The result is screening testing of TBTO and other salts under current technology.
3. “***”= Calculated concentration of cobalt dichloride is based on the identified heavy metal and anion result. Calculated concentration of diarrhetic pent oxide, diarrhetic trioxide, sodium dichromate, dehydrate, Lead hydrogen arsenates and tritely arsenate are based on the identified heavy metal result.
4. Definition of classification of this report in accordance 67/548/EEC and Regulation (EC) No.1907/2006
5. N.D. = Not Detected (<MDL)
6. MDL = Method Detection Limit
7. -- = No Testing

Remarks:

- 1.In accordance Regulation (EC) No. 1907/2006, any producer or importer of articles shall notify ECHA, In accordance paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance Article 59 (1) of the Regulation, namely (a) the substance is present in those article in quantities totaling over one ton per producer per year; and (b) the substance is present in those articles higher than 0.1% weight by weight (w/w).
2. Article 33 of Regulation (EC) No.1907/2006 requires supplier of an article containing a substance meets the criteria in Article 57 and identified in accordance Article 59(1) in a concentration higher than 0.1% weight by weight (w/w) shall provide the recipient of the article sufficient information, available to the supplier, to allow safe use the article including, as a minimum, the name of that.

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 41 of 63

Test Results: PASS

1.Regulation (EC) No. 1907/2006 (REACH), Annex XVII – Nickel Release

Test Method: With reference to EN 12472:2020) and EN 1811:2011 +A1:2015

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test Item(s)	MDL	Limit	Result(s)					
			1.	2.	3.	4.	5.	
Trial No.	-	-	A		B		C	
Specimen Area (cm ²)	-	-	33.342		33.342		33.342	
Test Solution Used (mL)	-	-	33		33		33	
Nickel Release Value (µg/cm ² /week)	0.04	0.5/0.2	N.D.		0.020		0.021	
Comments	-	-	PASS / FAIL					

Test Item(s)	MDL	Limit	Result(s)					
			6.	7.	8.	9.	10.	
Trial No.	-	-	A		B		C	
Specimen Area (cm ²)	-	-	33.342		33.342		33.342	
Test Solution Used (mL)	-	-	33		33		33	
Nickel Release Value (µg/cm ² /week)	0.04	0.5/0.2	N.D.		0.020		0.021	
Comments	-	-	PASS / FAIL					

Test Item(s)	MDL	Limit	Result(s)					
			11.	12.	13.	14.	15.	
Trial No.	-	-	A		B		C	
Specimen Area (cm ²)	-	-	33.342		33.342		33.342	
Test Solution Used (mL)	-	-	33		33		33	
Nickel Release Value (µg/cm ² /week)	0.04	0.5/0.2	N.D.		0.020		0.021	
Comments	-	-	PASS / FAIL					

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyou Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 42 of 63

Test Item(s)	MDL	Limit	Result(s)					
			16.	17.	18.	19.	20.	
Trial No.	-	-	A		B		C	
Specimen Area (cm ²)	-	-	33.342		33.342		33.342	
Test Solution Used (mL)	-	-	33		33		33	
Nickel Release Value (µg/cm ² /week)	0.04	0.5/0.2	N.D.		0.020		0.021	
Comments	-	-	PASS / FAIL					

Comments are given according to EN 1811:2011 +A1:2015 as below table:

Type of sample	Nickel Release (µg/cm ² /week)	
	PASS	FAIL
Article with Nickel release limit of 0.5 µg/cm ² /week (Direct and prolonged contact with the skin)	< 0.88	≥ 0.88
Article with Nickel release limit of 0.2 µg/cm ² /week (Inserted into pierced ears and other pierced parts of the human body)	< 0.35	≥ 0.35

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 43 of 63

2.Lead (Pb)& Cadmium(Cd)

Test Method and Test Equipment:

Test Item	Test Method	Test Equipment
Total Lead	IEC 62321-5:2013	ICP-AES
Total Cadmium	IEC 62321-5:2013	ICP-AES

Test Results :PASS

Test Item	Unit	MDL	Result					Limit
			1.	2.	3.	4.	5.	
Total Lead	mg/kg	10	22	22	26	26	26	500
Total Cadmium	mg/kg	10	19	19	24	24	24	100

Test Item	Unit	MDL	Result					Limit
			6.	7.	8.	9.	10.	
Total Lead	mg/kg	10	22	22	26	26	26	500
Total Cadmium	mg/kg	10	19	19	24	24	24	100

Test Item	Unit	MDL	Result					Limit
			11.	12.	13.	14.	15.	
Total Lead	mg/kg	10	22	22	26	26	26	500
Total Cadmium	mg/kg	10	19	19	24	24	24	100

Test Item	Unit	MDL	Result					Limit
			16.	17.	18.	19.	20.	
Total Lead	mg/kg	10	22	22	26	26	26	500
Total Cadmium	mg/kg	10	19	19	24	24	24	100

Note:

1. mg/kg= ppm
- 2.MDL = Method Detection Limit
- 3.N.D.=Not Detection(<MDL)

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen,Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 44 of 63

3. Bisphenol A Migration Content - As client's requirement , according to Appendix C to Annex II to Directive 2009/48/EC and amendment Directive 2017/898/EU EN 71-10:2005+EN 71-11:2005, determined by HPLC

Compound	Material					Client's Limit (mg/L)	RL (mg/L)
	1.	2.	3.	4.	5.		
1 Bisphenol A (BPA) CAS#80-05-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.04	0.01
Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Compound	Material					Client's Limit (mg/L)	RL (mg/L)
	6.	7.	8.	9.	10.		
1 Bisphenol A (BPA) CAS#80-05-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.04	0.01
Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Compound	Material					Client's Limit (mg/L)	RL (mg/L)
	11.	12.	13.	14.	15.		
1 Bisphenol A (BPA) CAS#80-05-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.04	0.01
Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Compound	Material					Client's Limit (mg/L)	RL (mg/L)
	16.	17.	18.	19.	20.		
1 Bisphenol A (BPA) CAS#80-05-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.04	0.01
Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Compound	Material							Client's Limit (mg/L)	RL (mg/L)
	21.	22.	23.	24.	25.	26.	27.		
1 Bisphenol A (BPA) CAS#80-05-7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.04	0.01
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-	-

Remark(s): (a) RL: Report limit

(b) N.D.: Not detected (result is less than RL)

(c) mg/L: milligrams per kilogram

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 45 of 63

4.N-Nitrosamines and N-Nitrosatable substances release

Test method: EN 14350:2020+A1:2023 Clause 8.5; with reference to EN 12868:2017

Test result:PASS

Test No.			1.	2.	3.	4.	5.	
Material No.			1.	2.	3.	4.	5.	
Test Parameter	CAS No.	Unit	Migratable N-Nitrosamines			Migratable N-Nitrosatable Substances		
			RL	Requirement	Test result	RL	Requirement	Test result
NDMA	62-75-9	mg/kg	0.001	--	< RL	0.001	--	< RL
NDEA	55-18-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDPA	621-64-7	mg/kg	0.001	--	< RL	0.001	--	< RL
NDiBA	997-95-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDBA	924-16-3	mg/kg	0.001	--	< RL	0.001	--	< RL
NPIP	100-75-4	mg/kg	0.001	--	< RL	0.001	--	< RL
NPYR	930-55-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NMOR	59-89-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NEPhA	612-64-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NMPhA	614-00-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NDiNA	1207995-62-7	mg/kg	0.005	--	< RL	0.005	--	< RL
NDBzA	5336-53-8	mg/kg	0.005	--	< RL	0.005	--	< RL
Total#	--	mg/kg	0.005	0.01	< RL	0.005	0.1	< RL
Conclusion	--	--	Pass			Pass		

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen,Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 46 of 63

Test No.			6.	7.	8.	9.	10.	
Material No.			6.	7.	8.	9.	10.	
Test Parameter	CAS No.	Unit	Migratable N-Nitrosamines			Migratable N-Nitrosatable Substances		
			RL	Requirement	Test result	RL	Requirement	Test result
NDMA	62-75-9	mg/kg	0.001	--	< RL	0.001	--	< RL
NDEA	55-18-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDPA	621-64-7	mg/kg	0.001	--	< RL	0.001	--	< RL
NDiBA	997-95-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDBA	924-16-3	mg/kg	0.001	--	< RL	0.001	--	< RL
NPIP	100-75-4	mg/kg	0.001	--	< RL	0.001	--	< RL
NPYR	930-55-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NMOR	59-89-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NEPhA	612-64-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NMPhA	614-00-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NDiNA	1207995-62-7	mg/kg	0.005	--	< RL	0.005	--	< RL
NDBzA	5336-53-8	mg/kg	0.005	--	< RL	0.005	--	< RL
Total#	--	mg/kg	0.005	0.01	< RL	0.005	0.1	< RL
Conclusion	--	--	Pass			Pass		

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 47 of 63

Test No.			11.	12.	13.	14.	15.	
Material No.			11.	12.	13.	14.	15.	
Test Parameter	CAS No.	Unit	Migratable N-Nitrosamines			Migratable N-Nitrosatable Substances		
			RL	Requirement	Test result	RL	Requirement	Test result
NDMA	62-75-9	mg/kg	0.001	--	< RL	0.001	--	< RL
NDEA	55-18-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDPA	621-64-7	mg/kg	0.001	--	< RL	0.001	--	< RL
NDiBA	997-95-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDBA	924-16-3	mg/kg	0.001	--	< RL	0.001	--	< RL
NPIP	100-75-4	mg/kg	0.001	--	< RL	0.001	--	< RL
NPYR	930-55-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NMOR	59-89-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NEPhA	612-64-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NMPhA	614-00-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NDiNA	1207995-62-7	mg/kg	0.005	--	< RL	0.005	--	< RL
NDBzA	5336-53-8	mg/kg	0.005	--	< RL	0.005	--	< RL
Total#	--	mg/kg	0.005	0.01	< RL	0.005	0.1	< RL
Conclusion	--	--	Pass			Pass		

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 48 of 63

Test No.			16.		17.	18.	19.	20.
Material No.			16.		17.	18.	19.	20.
Test Parameter	CAS No.	Unit	Migratable N-Nitrosamines			Migratable N-Nitrosatable Substances		
			RL	Requireme nt	Test result	RL	Requireme nt	Test result
NDMA	62-75-9	mg/kg	0.001	--	< RL	0.001	--	< RL
NDEA	55-18-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDPA	621-64-7	mg/kg	0.001	--	< RL	0.001	--	< RL
NDiBA	997-95-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDBA	924-16-3	mg/kg	0.001	--	< RL	0.001	--	< RL
NPIP	100-75-4	mg/kg	0.001	--	< RL	0.001	--	< RL
NPYR	930-55-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NMOR	59-89-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NEPhA	612-64-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NMPhA	614-00-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NDiNA	1207995-6 2-7	mg/kg	0.005	--	< RL	0.005	--	< RL
NDBzA	5336-53-8	mg/kg	0.005	--	< RL	0.005	--	< RL
Total#	--	mg/kg	0.005	0.01	< RL	0.005	0.1	< RL
Conclusion	--	--	Pass			Pass		

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 49 of 63

Test No.			21.	22.	23.	24.	25.	
Material No.			21.	22.	23.	24.	25.	
Test Parameter	CAS No.	Unit	Migratable N-Nitrosamines			Migratable N-Nitrosatable Substances		
			RL	Requireme nt	Test result	RL	Requireme nt	Test result
NDMA	62-75-9	mg/kg	0.001	--	< RL	0.001	--	< RL
NDEA	55-18-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDPA	621-64-7	mg/kg	0.001	--	< RL	0.001	--	< RL
NDiBA	997-95-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDBA	924-16-3	mg/kg	0.001	--	< RL	0.001	--	< RL
NPIP	100-75-4	mg/kg	0.001	--	< RL	0.001	--	< RL
NPYR	930-55-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NMOR	59-89-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NEPhA	612-64-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NMPhA	614-00-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NDiNA	1207995-62-7	mg/kg	0.005	--	< RL	0.005	--	< RL
NDBzA	5336-53-8	mg/kg	0.005	--	< RL	0.005	--	< RL
Total#	--	mg/kg	0.005	0.01	< RL	0.005	0.1	< RL
Conclusion	--	--	Pass			Pass		

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 50 of 63

Test No.			26.			27.		
Material No.			26.			27.		
Test Parameter	CAS No.	Unit	Migratable N-Nitrosamines			Migratable N-Nitrosatable Substances		
			RL	Requirement	Test result	RL	Requirement	Test result
NDMA	62-75-9	mg/kg	0.001	--	< RL	0.001	--	< RL
NDEA	55-18-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDPA	621-64-7	mg/kg	0.001	--	< RL	0.001	--	< RL
NDiBA	997-95-5	mg/kg	0.001	--	< RL	0.001	--	< RL
NDBA	924-16-3	mg/kg	0.001	--	< RL	0.001	--	< RL
NPIP	100-75-4	mg/kg	0.001	--	< RL	0.001	--	< RL
NPYR	930-55-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NMOR	59-89-2	mg/kg	0.001	--	< RL	0.001	--	< RL
NEPhA	612-64-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NMPhA	614-00-6	mg/kg	0.005	--	< RL	0.005	--	< RL
NDiNA	1207995-62-7	mg/kg	0.005	--	< RL	0.005	--	< RL
NDBzA	5336-53-8	mg/kg	0.005	--	< RL	0.005	--	< RL
Total#	--	mg/kg	0.005	0.01	< RL	0.005	0.1	< RL
Conclusion	--	--	Pass			Pass		

Abbreviation:

<

= Less than

RL

= Reporting Limit

mg/kg

= milligram per kilogram

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 51 of 63

Remark:

* List of Migratable N-Nitrosamines and Migratable N-Nitrosatable Substances.

Parameter	Abbreviation
N-nitrosodimethylamine	NDMA
N-nitrosodiethylamine	NDEA
N-nitrosodipropylamine	NDPA
N-nitrosodiisobutylamine	NDiBA
N-nitrosodibutylamine	NDBA
N-nitrosopiperidine	NPIP
N-nitrosopyrrolidine	NPYR
N-nitrosomorpholine	NMOR
N-nitrosoethylphenylamine	NEPhA
N-nitrosomethylphenylamine	NMPhA
N-nitrosodiisononylamine	NDiNA
N-nitrosodibenzylamine	NDBzA

** Single components with an amount of less than the detection limit were not considered by the calculation of the sum. In the case of all compounds were not detected, the results is stated <RL.

Results for total N-nitrosatables substances or N-nitrosamines have been adjusted with analytical tolerances if the condition stated in EN 12868:2017 clause 11.1 is fulfilled:

Analytical tolerance for the total quantity of N-nitrosamines: 0.01 mg/kg.

Analytical tolerance for the total quantity of N-nitrosatable substances: 0.1 mg/kg.

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 52 of 63

5. Phthalates analysis:

With reference to ISO 8124-6:2023 by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Summary of permissible limits of requirements:

Requirements:	Limit:
Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No.1907/2006.	
For all toys and childcare articles.	Sum (DBP+BBP+DEHP+DIBP)<1000 mg/kg
For all toys and childcare articles that can be placed in the mouth.	Sum (DNOP+DIDP+DINP)<1000 mg/kg
ISO 8124-6:2023-Safety of toys-Part 6: Certain phthalate esters	
For all children's toys and child care articles.	(DBP, BBP, DEHP, DIBP, DINP, DPENP, DHEXP/DnHP, DCHP)<1000 mg/kg

Test Item(s)	CAS No.	Unit	MDL	Limit	Result (s)				
					1.	2.	3.	4.	5.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-'isononyl' phthalate (DINP)	28553-12-0, 68515-48-0	mg/kg	100	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-'isodecyl' phthalate (DIDP)	26761-40-0, 68515-49-1	mg/kg	100	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-n-pentyl phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Sum (DBP+BBP+DEHP+DIBP)	---	---	---	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Sum (DNOP+DIDP+DINP)	---	---	---	1000	N.D.	N.D.	N.D.	N.D.	N.D.

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 53 of 63

Test Item(s)	CAS No.	Unit	MD L	Limit	Result (s)				
					6.	7.	8.	9.	10.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Benzylbutyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-‘isononyl’ phthalate (DINP)	28553-12-0 , 68515-48-0	mg/kg	100	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-‘isodecyl’ phthalate (DIDP)	26761-40-0 , 68515-49-1	mg/kg	100	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-pentyl phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Sum (DBP+BBP+DEHP+DIBP)	---	---	---	1000	N.D	N.D	N.D	N.D	N.D
					.	.	.	.	.
Sum (DNOP+DIDP+DINP)	---	---	---	1000	N.D	N.D	N.D	N.D	N.D
					.	.	.	.	.

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 54 of 63

Test Item(s)	CAS No.	Unit	MD L	Limit	Result (s)				
					11.	12.	13.	14.	15.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Benzylbutyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-‘isononyl’ phthalate (DINP)	28553-12-0 , 68515-48-0	mg/kg	100	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-‘isodecyl’ phthalate (DIDP)	26761-40-0 , 68515-49-1	mg/kg	100	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-pentyl phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Sum (DBP+BBP+DEHP+DIBP)	---	---	---	1000	N.D	N.D	N.D	N.D	N.D
					.	.	.	.	.
Sum (DNOP+DIDP+DINP)	---	---	---	1000	N.D	N.D	N.D	N.D	N.D
					.	.	.	.	.

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 55 of 63

Test Item(s)	CAS No.	Unit	MD L	Limit	Result (s)				
					16.	17.	18.	19.	20.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Benzylbutyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-‘isononyl’ phthalate (DINP)	28553-12-0 , 68515-48-0	mg/kg	100	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-‘isodecyl’ phthalate (DIDP)	26761-40-0 , 68515-49-1	mg/kg	100	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-pentyl phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	mg/kg	50	1000	N.D	N.D	N.D	N.D	N.D
		g			.	.	.	.	.
Sum (DBP+BBP+DEHP+DIBP)	---	---	---	1000	N.D	N.D	N.D	N.D	N.D
					.	.	.	.	.
Sum (DNOP+DIDP+DINP)	---	---	---	1000	N.D	N.D	N.D	N.D	N.D
					.	.	.	.	.

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 56 of 63

Test Item(s)	CAS No.	Unit	MDL	Limit	Result (s)				
					21.	22.	23.	24.	25.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-‘isononyl’ phthalate (DINP)	28553-12-0, 68515-48-0	mg/kg	100	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-‘isodecyl’ phthalate (DIDP)	26761-40-0, 68515-49-1	mg/kg	100	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-n-pentyl phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Sum (DBP+BBP+DEHP+DIBP)	---	---	---	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Sum (DNOP+DIDP+DINP)	---	---	---	1000	N.D.	N.D.	N.D.	N.D.	N.D.

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



Test Report

Report No:TQT0009J1995E

Date:Jul. 09, 2026

Page 57 of 63

Test Item(s)	CAS No.	Unit	MDL	Limit	Result (s)	
					26.	27.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzylbutyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Di-‘isononyl’ phthalate (DINP)	28553-12-0, 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Di-‘isodecyl’ phthalate (DIDP)	26761-40-0, 68515-49-1	mg/kg	100	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Sum (DBP+BBP+DEHP+DIBP)	---	---	---	1000	N.D.	N.D.
Sum (DNOP+DIDP+DINP)	---	---	---	1000	N.D.	N.D.

- Note:
- MDL = Method Detection Limit
 - N.D.= Not Detected(<MDL)
 - 1mg/kg=1ppm=0.0001%
 - “-”=Not Regulated

- Remark:
- “+” = Composite test has been performed as per client’s request and the result(s) is (are) calculated using the minimum specimen weight

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com

Sample image



This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqts.com

E-mail: service@tqts.com



This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

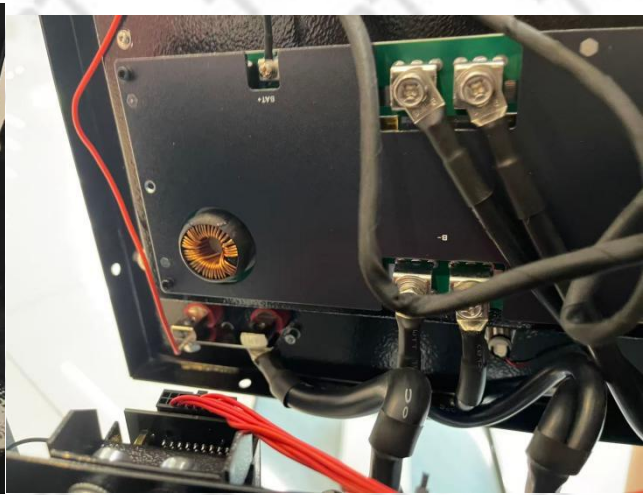
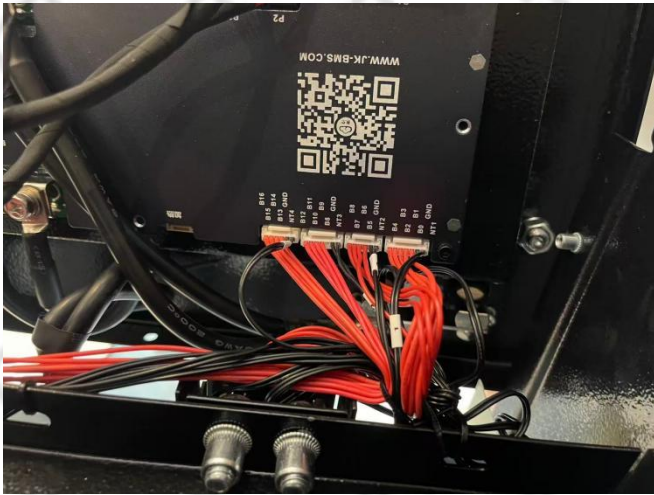
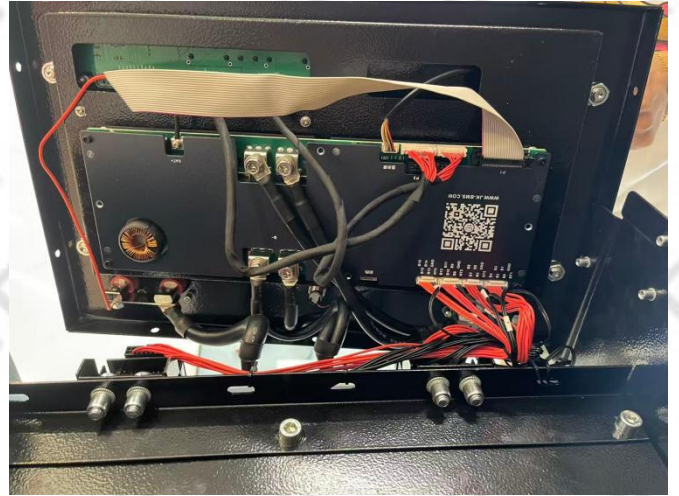
Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



 SUNVAULT TM		LifePo4 Battery				 	
		 IP54				   	
Part NO:		SUNV S-00301					
Nominal Voltage		51.2V					
Capacity		315Ah					
Watt-hours		16128Wh					
Max Charge Current		150A					
Max Discharge Current		200A					
Charge Voltage		57.6V					
Discharge Cut-Off		41.6V					
Peak Current 1min		350A					
Configuration		16S1P					
Operation Temp		2°C - 55°C					
COM Protocol		RS485, CAN, BLE					
Heating		No					
Max Charge Current		5/26/2026					

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com



*** End of Report ***

This test report is issued by our company in accordance with the service terms printed on the back. Responsibilities, warranties, and legal limitations are defined in the service terms. Unless otherwise stated, the results of this report are solely for the test sample. This report may not be reproduced in part without permission.

Shenzhen Tianqi Testing Technology Service Co., Ltd.

6th Floor, Bui Iding B, Quewei Building, No. 5 Fuyu Road, Pinghu Street, Longgang District, Shenzhen, Guangdong, China

Tel: 4008857980

Website: www.tqtts.com

E-mail: service@tqtts.com