

Test Report

No.: 68.431.23.2577.01

Date: 2023-06-26



Greater China

Applicant: Spector & CO
Address: /
Product Name: Wireless speaker w/ TF card reader & integrated FM radio
End Use: Technology
Item No.: T237
Style No.: GOLDIE
Supplier: USX007
Country of Origin: CHINA
Country of Destination: CANADA & U.S.A.
Receipt Date of Sample: 2023-06-12
Date of Testing: From 2023-06-14 to 2023-06-26
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials	Pass*
2. US California Proposition 65 - Total Cadmium Content Test - Substrate Materials	Pass*
3. US California Proposition 65 - Total lead Content Test - Paint and Similar Surface-Coating Materials	Pass*
4. US California Proposition 65 - Total Lead Content Test - Substrate Materials	Pass*
5. Phthalates Content (11P)	Pass*
6. Tungsten Content Test	Report As Is
7. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Surface Coating Materials Regulations SOR/2016-193 and SOR/2022-122 - Total Lead	Pass
8. Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test	Pass
9. Total Nickel Content Test	Report As Is
10. U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)	Pass
11. US California Proposition 65 - Phthalates Content (6P)	Pass*
12. Canadian Products Containing Mercury Regulations SOR/2014-254 - Total Mercury Content Test	Pass
13. Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)	Pass*

Remarks: 1. MDL = Method Detection Limit
2. N.D. = Not Detected (<MDL)
3. ≤ Less than
4. 1 mg/kg = 1 ppm = 0.0001%
5. The test samples were specified by the applicant.

Regd. Office: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuv sud.com
Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test: Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report

No.: 68.431.23.2577.01

Date: 2023-06-26



Greater China

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Testing Center

Prepared by:

Authorized by:



Gianna Gao
Project Manager

Eva Liang
Project Manager

Note:

- (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied.
Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.
For further details, please see "Testing and certification regulation", chapter A-3.4
For full version, please visit: EN : <https://www.tuvsud.cn/zh-cn/resource/terms-and-conditions---en> ; SCN: <https://www.tuvsud.cn/zh-cn/terms-and-conditions> ; TCN: <https://www.tuvsud.com/zh-tw/terms-and-conditions>
- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) If relevant standards do not specify decision rule(s), follow decision rule as below:
- "Pass" means that the measured result is within the limits, even when extended by expanded uncertainty at a level of confidence of 95%.
- "Fail" means that the measured result is beyond the limit, even when extended by expanded uncertainty at a level of confidence of 95%.
- (5) The test item and sample were specified by the client.
- (6) "***" denotes the conclusion was drawn according to the client's specification.

Regd. Office:

Tüv Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : <http://www.tuvsud.cn>

Lab 1 - Chemical testing and part of
electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Description of Tested Subject:

Sample	Description	Photo
A	Whole product	
001	Black foam sheet with dark grey fabric/ matt-black foam/ black fabric (Box)	
002	Black plastic (Zipper teeth)	

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com



Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

003	Black fabric (Zipper tape)	
004	Black coating on metal (Zipper puller & head, wireless speaker)	
005	Silvery metal (Zipper puller)	
006	Silvery metal (Zipper head)	
007	Black fabric with black fabric thread (Hemming of box)	

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.com





Web : <http://www.tuv sud.cn>

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

008	Bright black fabric (Hemming of pad)	
009	Black fabric with matt-black foam (Pad)	
010	Bright black fabric band (On pad)	
011	Bright black soft plastic (Cable jacket)	
012	Black soft plastic (Plug)	

Regd. Office:

TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : <http://www.tuvsud.cn>

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

013	Bright black plastic (Plug)	
014	Silvery metal (Plug)	
015	Matt-black plastic (Plug)	
016	Silvery metal (Housing of small Plug)	
017	White plastic (Plug)	
018	Silvery metal (Housing of big Plug)	
019	Silvery metal (Net of wireless speaker)	
020	Silvery metal (Main body of wireless speaker)	
021	Black plated silvery metal (Main body of wireless speaker)	
022	Dull black plastic (Base of wireless speaker)	

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

023	Shiny black soft plastic with adhesive backing (Bottom)	
024	Bright black plastic sheet with adhesive backing (Washer)	
025	Black printed laminated paper label (Sticker)	
026	Transparent plastic (Frame of wireless speaker)	
027	White coating on metal (Wireless speaker)	
028	Off-white plastic (Base of wireless speaker)	
029	Grey soft plastic with adhesive backing (Bottom)	
030	Bright white plastic sheet with adhesive backing (Washer)	

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.com

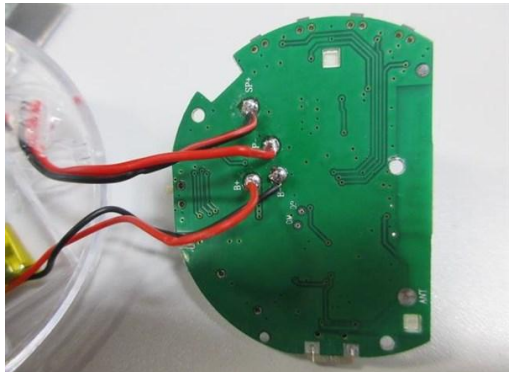
Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

031	Green/ white printed PCB (Inner)	
-----	----------------------------------	--

T. No	Sample	Description
T1	001	Black foam sheet with dark grey fabric/ matt-black foam/ black fabric (Box)
T2	002	Black plastic (Zipper teeth)
T3	003	Black fabric (Zipper tape)
T4	004	Black coating on metal (Zipper puller & head, wireless speaker)
T5	005	Silvery metal (Zipper puller)
T6	006	Silvery metal (Zipper head)
T7	007	Black fabric with black fabric thread (Hemming of box)
T8	008	Bright black fabric (Hemming of pad)
T9	009	Black fabric with matt-black foam (Pad)
T10	010	Bright black fabric band (On pad)
T11	011	Bright black soft plastic (Cable jacket)
T12	012	Black soft plastic (Plug)
T13	013	Bright black plastic (Plug)
T14	014	Silvery metal (Plug)
T15	015	Matt-black plastic (Plug)
T16	016	Silvery metal (Housing of small Plug)
T17	017	White plastic (Plug)
T18	018	Silvery metal (Housing of big Plug)
T19	019	Silvery metal (Net of wireless speaker)
T20	020	Silvery metal (Main body of wireless speaker)
T21	021	Black plated silvery metal (Main body of wireless speaker)
T22	022	Dull black plastic (Base of wireless speaker)
T23	023	Shiny black soft plastic with adhesive backing (Bottom)
T24	024	Bright black plastic sheet with adhesive backing (Washer)
T25	025	Black printed laminated paper label (Sticker)
T26	026	Transparent plastic (Frame of wireless speaker)
T27	027	White coating on metal (Wireless speaker)
T28	028	Off-white plastic (Base of wireless speaker)
T29	029	Grey soft plastic with adhesive backing (Bottom)
T30	030	Bright white plastic sheet with adhesive backing (Washer)
T31	031	Green/ white printed PCB (Inner)

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China



Test Result(s):

1. US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials

Test with reference to microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Sample	Unit	MDL	Client's Limit	Result(s)	Conclusion
004+027	mg/kg	10	75	N.D.	Pass

2. US California Proposition 65 - Total Cadmium Content Test - Substrate Materials

Test with reference to acid digestion or microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Sample	Unit	MDL	Client's Limit	Result(s)	Conclusion
001+002+009	mg/kg	10	75	N.D.	Pass
003+007	mg/kg	10	75	N.D.	Pass
005	mg/kg	10	75	N.D.	Pass
006	mg/kg	10	75	N.D.	Pass
008+010	mg/kg	10	75	N.D.	Pass
011+012	mg/kg	10	75	N.D.	Pass
013+015+017	mg/kg	10	75	N.D.	Pass
014	mg/kg	10	75	N.D.	Pass
016	mg/kg	10	75	N.D.	Pass
018	mg/kg	10	75	N.D.	Pass
019	mg/kg	10	75	N.D.	Pass
020	mg/kg	10	75	N.D.	Pass
021	mg/kg	10	75	N.D.	Pass
022	mg/kg	10	75	N.D.	Pass
024	mg/kg	10	75	N.D.	Pass
025+026+028	mg/kg	10	75	N.D.	Pass
029+030	mg/kg	10	75	N.D.	Pass

3. US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials

Test with reference to microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Sample	Unit	MDL	Client's Limit	Result(s)	Conclusion
004+027	mg/kg	10	90	N.D.	Pass

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China



4. US California Proposition 65 - Total Lead Content Test - Substrate Materials

Test with reference to acid digestion or microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Sample	Unit	MDL	Client's Limit	Result(s)	Conclusion
001+002+009	mg/kg	10	100	N.D.	Pass
003+007	mg/kg	10	100	N.D.	Pass
005	mg/kg	10	100	51.5	Pass
006	mg/kg	10	100	40.7	Pass
008+010	mg/kg	10	100	N.D.	Pass
011+012	mg/kg	10	100	N.D.	Pass
013+015+017	mg/kg	10	100	19.0	Pass
014	mg/kg	10	100	80.7	Pass
016	mg/kg	10	100	43.6	Pass
018	mg/kg	10	100	N.D.	Pass
019	mg/kg	10	100	N.D.	Pass
020	mg/kg	10	100	N.D.	Pass
021	mg/kg	10	100	20.7	Pass
022+023+024	mg/kg	10	100	N.D.	Pass
025+026+028	mg/kg	10	100	N.D.	Pass
029+030	mg/kg	10	100	N.D.	Pass

5. Phthalates Content (11P)

Test with reference to in-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					001+002+009	003+007
Diethyl phthalate(DEP)	84-66-2	%	0.005	0.1	N.D.	N.D.
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	0.007	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Di-n-octyl phthalate, (DNOP)	117-84-0	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.	N.D.

Regd. Office: TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
 Fax: +86 755 8828 5299
 E-mail: info@tuv sud.com
 Web : http://www.tuv sud.com

Lab 1 - Chemical testing and part of electrical testing Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China
 Lab 2 - Physical & Mechanical Test: Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report

No.: 68.431.23.2577.01

Date: 2023-06-26



Greater China

Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					008+010	011+012
Diethyl phthalate(DEP)	84-66-2	%	0.005	0.1	N.D.	N.D.
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	0.005	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Di-n-octyl phthalate, (DNOP)	117-84-0	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	0.006
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.	N.D.
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					013+015+017	022
Diethyl phthalate(DEP)	84-66-2	%	0.005	0.1	N.D.	N.D.
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	0.078
Di-n-octyl phthalate, (DNOP)	117-84-0	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report

No.: 68.431.23.2577.01

Date: 2023-06-26



Greater China

Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.	N.D.
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					024	029+030
Diethyl phthalate(DEP)	84-66-2	%	0.005	0.1	N.D.	N.D.
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Di-n-octyl phthalate, (DNOP)	117-84-0	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.	N.D.
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

6. Tungsten Content Test

Test with reference to acid digestion and determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test items	Unit	MDL	Maximum Permissible Limit	Result(s)
				020
Tungsten(W)	mg/kg	10.0	-	N.D.
Conclusion				Report As Is

Regd. Office: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuvsud.com
Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China
Lab 2 - Physical & Mechanical Test: Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China



7. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Surface Coating Materials Regulations SOR/2016-193 and SOR/2022-122 - Total Lead

Test with reference to microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Sample	Unit	MDL	Limit	Result(s)	Conclusion
004+027	mg/kg	10	90	N.D.	Pass

8. Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test

Test with reference to acid digestion or microwave digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Sample	Unit	MDL	Limit	Result(s)	Conclusion
001+002+009	mg/kg	10	90	N.D.	Pass
003+007	mg/kg	10	90	N.D.	Pass
004+027	mg/kg	10	90	N.D.	Pass
005	mg/kg	10	90	51.5	Pass
006	mg/kg	10	90	40.7	Pass
008+010	mg/kg	10	90	N.D.	Pass
011+012	mg/kg	10	90	N.D.	Pass
013+015+017	mg/kg	10	90	19.0	Pass
016	mg/kg	10	90	43.6	Pass
018	mg/kg	10	90	N.D.	Pass
019	mg/kg	10	90	N.D.	Pass
020	mg/kg	10	90	N.D.	Pass
021	mg/kg	10	90	20.7	Pass
022+023+024	mg/kg	10	90	N.D.	Pass
025+026+028	mg/kg	10	90	N.D.	Pass
029+030	mg/kg	10	90	N.D.	Pass

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

9. Total Nickel Content Test

Test with reference to acid digestion, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Sample	Unit	MDL	Limit	Result(s)	Conclusion
005	mg/kg	5	-	5.898	Report As Is
006	mg/kg	5	-	N.D.	Report As Is
014	mg/kg	5	-	6227.185	Report As Is
016	mg/kg	5	-	21718.296	Report As Is
018	mg/kg	5	-	11895.044	Report As Is
019	mg/kg	5	-	135.675	Report As Is
020	mg/kg	5	-	98.033	Report As Is
021	mg/kg	5	-	193.674	Report As Is

10. U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)

Test with reference to in-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					001+002+009	003+007
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	0.007	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report

No.: 68.431.23.2577.01

Date: 2023-06-26



Greater China

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					008+010	011+012
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	0.005	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	0.006
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					013+015+017	022
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	0.078
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report

No.: 68.431.23.2577.01

Date: 2023-06-26



Greater China

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					024	029+030
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

11. US California Proposition 65 - Phthalates Content (6P)

Test with reference to in-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					001+002+009	003+007
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	0.007	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Regd. Office: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
 Fax: +86 755 8828 5299
 E-mail: info@tuv sud.com
 Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test: Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report

No.: 68.431.23.2577.01

Date: 2023-06-26



Greater China

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					008+010	011+012
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	0.005	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	0.006
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					013+015+017	022
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	0.078
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					024	029+030
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	N.D.
Conclusion					Pass	Pass

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

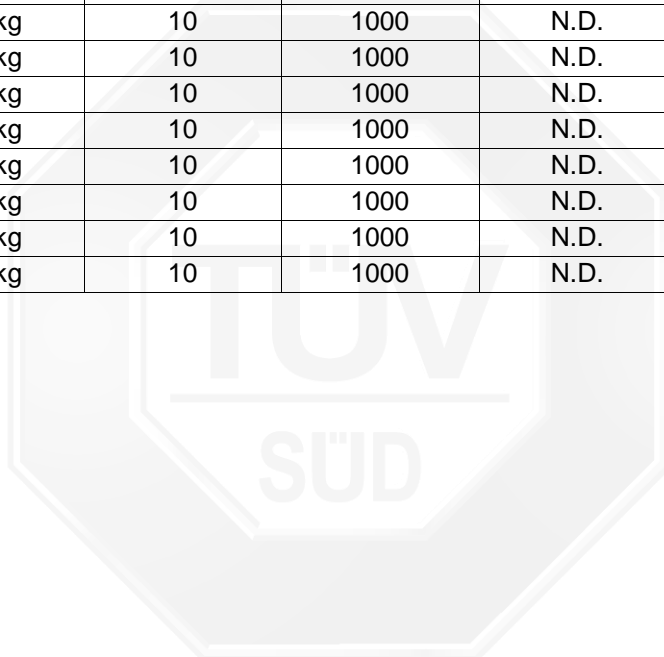
Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China



12. Canadian Products Containing Mercury Regulations SOR/2014-254 - Total Mercury Content Test
 Test with reference to EN 62321-4:2014+A1:2017, determination by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Sample	Unit	MDL	Limit	Result(s)	Conclusion
001+002+009	mg/kg	10	1000	N.D.	Pass
003+007	mg/kg	10	1000	N.D.	Pass
004+027	mg/kg	10	1000	N.D.	Pass
005	mg/kg	10	1000	N.D.	Pass
006	mg/kg	10	1000	N.D.	Pass
008+010	mg/kg	10	1000	N.D.	Pass
011+012	mg/kg	10	1000	N.D.	Pass
013+015+017	mg/kg	10	1000	N.D.	Pass
014	mg/kg	10	1000	N.D.	Pass
016	mg/kg	10	1000	N.D.	Pass
018	mg/kg	10	1000	N.D.	Pass
019	mg/kg	10	1000	N.D.	Pass
020	mg/kg	10	1000	N.D.	Pass
021	mg/kg	10	1000	N.D.	Pass
022+023+024	mg/kg	10	1000	N.D.	Pass
025+026+028	mg/kg	10	1000	N.D.	Pass
029+030	mg/kg	10	1000	N.D.	Pass



Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
 Fax: +86 755 8828 5299
 E-mail: info@tuvsud.com
 Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

13. Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Test with reference to in- house method, determination by LC-MS-MS.

Compound	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					001	004
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	27619-97-2	mg/kg	0.01	0.01	ND	ND
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.01	0.01	ND	ND
Ammonium Pentadecafluorooctanoate (APFO)*	3825-26-1	mg/kg	0.01	0.01	ND	ND
Sodium perfluorooctanoate(Na-PFO)*	335-95-5	mg/kg	0.01	0.01	ND	ND
Potassium perfluorooctanoate(K-PFO)*	2395-00-8	mg/kg	0.01	0.01	ND	ND
Silver perfluorooctanoate(Ag-PFO)*	335-93-3	mg/kg	0.01	0.01	ND	ND
Perfluorooctanoyl fluoride(F-PFO)*	335-66-0	mg/kg	0.01	0.01	ND	ND
Perfluorooctansulfonate (PFOS)	1763-23-1	mg/kg	0.01	0.01	ND	ND
Perfluorooctane sulphonamide(PFOSA)	754-91-6	mg/kg	0.01	0.01	ND	ND
perfluoro-1-octanesulfonylfluoride (POSF/PFOSF)*	307-35-7	mg/kg	0.01	0.01	ND	ND
Potassium perfluorooctanesulphonate(PFOS-K)*	2795-39-3	mg/kg	0.01	0.01	ND	ND
Ammonium perfluorooctanesulphonate(PFOS-NH4)*	29081-56-9	mg/kg	0.01	0.01	ND	ND
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate(PFOS-DDA)*	251099-16-8	mg/kg	0.01	0.01	ND	ND
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH)2)*	70225-14-8	mg/kg	0.01	0.01	ND	ND
Lithium perfluorooctylsulfonate(PFOS-Li)*	29457-72-5	mg/kg	0.01	0.01	ND	ND
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	mg/kg	1.0	1.0	ND	ND
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C2H5)4)*	56773-42-3	mg/kg	0.01	0.01	ND	ND
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	mg/kg	1.0	1.0	ND	ND
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	4021-47-0	mg/kg	0.01	0.01	ND	ND
Conclusion					Pass	Pass

Regd. Office:

TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test:

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report

No.: 68.431.23.2577.01

Date: 2023-06-26



Greater China

Compound	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					011	031
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	27619-97-2	mg/kg	0.01	0.01	ND	ND
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.01	0.01	ND	ND
Ammonium Pentadecafluorooctanoate (APFO)*	3825-26-1	mg/kg	0.01	0.01	ND	ND
Sodium perfluorooctanoate(Na-PFO)*	335-95-5	mg/kg	0.01	0.01	ND	ND
Potassium perfluorooctanoate(K-PFO)*	2395-00-8	mg/kg	0.01	0.01	ND	ND
Silver perfluorooctanoate(Ag-PFO)*	335-93-3	mg/kg	0.01	0.01	ND	ND
Perfluorooctanoyl fluoride(F-PFO)*	335-66-0	mg/kg	0.01	0.01	ND	ND
Perfluorooctansulfonate (PFOS)	1763-23-1	mg/kg	0.01	0.01	ND	ND
Perfluorooctane sulphonamide(PFOSA)	754-91-6	mg/kg	0.01	0.01	ND	ND
perfluoro-1-octanesulfonyl fluoride (POSF/PFOSF)*	307-35-7	mg/kg	0.01	0.01	ND	ND
Potassium perfluorooctanesulphonate(PFOS-K)*	2795-39-3	mg/kg	0.01	0.01	ND	ND
Ammonium perfluorooctanesulphonate(PFOS-NH4)*	29081-56-9	mg/kg	0.01	0.01	ND	ND
Didecyl(dimethyl)azanum;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate(PFOS-DDA)*	251099-16-8	mg/kg	0.01	0.01	ND	ND
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH)2)*	70225-14-8	mg/kg	0.01	0.01	ND	ND
Lithium perfluorooctylsulfonate(PFOS-Li)*	29457-72-5	mg/kg	0.01	0.01	ND	ND
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	mg/kg	1.0	1.0	ND	ND
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C2H5)4)*	56773-42-3	mg/kg	0.01	0.01	ND	ND
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	mg/kg	1.0	1.0	ND	ND
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	4021-47-0	mg/kg	0.01	0.01	ND	ND
Conclusion					Pass	Pass

Remark: * The test result is based on the calculation of selected marker(s) and to the worst-case scenario.

-End of Test Report-

Regd. Office: TüV Süd Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
 Fax: +86 755 8828 5299
 E-mail: info@tuvsud.com
 Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and part of electrical testing Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & Mechanical Test: Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China