

Test Report

No.: 68.431.22.4738.01

Date: 2022-12-14



Greater China

Applicant: Spector & CO
Address: /
Product Name: UL2056 certified rubberized plastic light-up 4,400 mAh powerbank
End Use: Technology
Item No.: T1036
Style No.: OPHELIA
Supplier: USC056
Country of Origin: CHINA
Country of Destination: CANADA & U.S.A.
Receipt Date of Sample: 2022-11-10
Date of Testing: From 2022-11-16 to 2022-12-13
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. Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Mercury Content Test	Pass
8. Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Lead Content Test	Pass
9. Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test	Pass
10. Total Nickel Content Test	Report As Is
11. U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)	Pass
12. US California Proposition 65 - Phthalates Content (6P)	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. NA=Not Applicable

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

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

Prepared by:

Authorized by:

Jojo Zhao



Eva Liang

Jojo Zhao
Project Coordinator

Eva Liang
Project Manager

Note:

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For further details, please see "Testing and certification regulation", chapter A-3.4
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- (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.

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Description of Tested Subject:

Sample	Description	Photo
001	Transparent plastic w/ transparent / black / silvery coating (Shell, button)	
002	Transparent / black / silvery coating (Shell, button)	
003	Transparent plastic (Shell, button)	
004	Black plastic w/ transparent / black coating (Shell)	
005	Black plastic (Shell)	
006	Silvery plastic label w/ black printing (Sticker)	

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Sample	Description	Photo
007	Matt-black plastic (Inner socket & small plug)	
008	Black soft plastic (USB cable)	
009	Black soft plastic (USB plug)	
010	White plastic (Inner big plug)	
011	Silvery metal (Big plug of USB)	
012	Silvery metal (Small plug of USB)	

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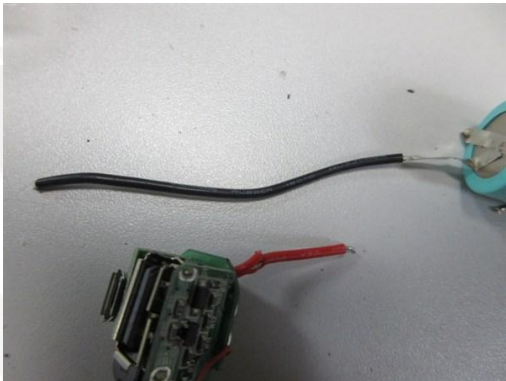

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Sample	Description	Photo
013	Silvery metal (Pin of small plug)	
014	Black soft plastic w/ white printing (Wire jacket)	
020	White plastic sheet w/ transparent double-side adhesive backing (Screen)	

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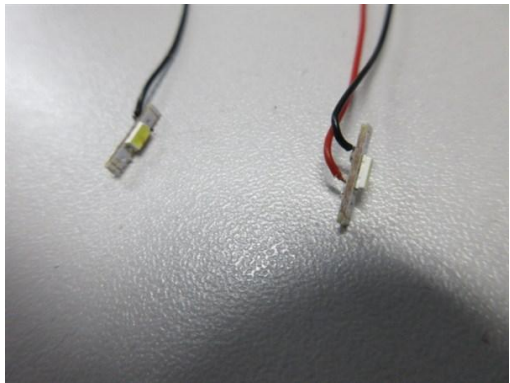
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Sample	Description	Photo
023	White printed cream PCB (PCB on screen)	

T. No	Sample	Description
T1	001	Transparent plastic w/ transparent / black / silvery coating (Shell, button)
T2	002	Transparent / black / silvery coating (Shell, button)
T3	003	Transparent plastic (Shell, button)
T4	004	Black plastic w/ transparent / black coating (Shell)
T5	005	Black plastic (Shell)
T6	006	Silvery plastic label w/ black printing (Sticker)
T7	007	Matt-black plastic (Inner socket & small plug)
T8	008	Black soft plastic (USB cable)
T9	009	Black soft plastic (USB plug)
T10	010	White plastic (Inner big plug)
T11	011	Silvery metal (Big plug of USB)
T12	012	Silvery metal (Small plug of USB)
T13	013	Silvery metal (Pin of small plug)
T14	014	Black soft plastic w/ white printing (Wire jacket)
T15	020	White plastic sheet w/ transparent double-side adhesive backing (Screen)
T16	023	White printed cream PCB (PCB on screen)

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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
002	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
003+005	mg/kg	10	75	N.D.	Pass
006+008+009	mg/kg	10	75	N.D.	Pass
007+010	mg/kg	10	75	N.D.	Pass
011	mg/kg	10	75	N.D.	Pass
012	mg/kg	10	75	N.D.	Pass
013	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
002	mg/kg	10	90	N.D.	Pass

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
003+005	mg/kg	10	100	N.D.	Pass
006+008+009	mg/kg	10	100	N.D.	Pass
007+010	mg/kg	10	100	N.D.	Pass
011	mg/kg	10	100	N.D.	Pass
012	mg/kg	10	100	N.D.	Pass
013	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

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Spectrometry (GC-MS).

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					002	003+005
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

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					006	007+010
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.

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Conclusion	Pass	Pass
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Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					008	009
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	0.058	0.024
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	Limit	Result(s)	
				011	
Tungsten(W)	mg/kg	10.0	-	N.D.	
Conclusion				Report As Is	

7. Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Mercury Content Test

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

Sample	Unit	MDL	Limit	Result(s)	Conclusion
002	mg/kg	10	10.0	N.D.	Pass

8. Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Lead Content Test

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

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

9. 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
002	mg/kg	10	90	N.D.	Pass
003+005	mg/kg	10	90	N.D.	Pass
006+008+009	mg/kg	10	90	N.D.	Pass
007+010	mg/kg	10	90	N.D.	Pass
011	mg/kg	10	90	N.D.	Pass
012	mg/kg	10	90	N.D.	Pass
013	mg/kg	10	90	N.D.	Pass

10. 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
011	mg/kg	5	-	7100.534	Report As Is
012	mg/kg	5	-	9878.464	Report As Is
013	mg/kg	5	-	13118.762	Report As Is

11. 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)	
					002	003+005
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,	28553-12-0	%	0.005	0.1	N.D.	N.D.

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(DINP)	68515-48-0					
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)	
					006	007+010
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

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					008	009
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	0.058	0.024
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Conclusion					Pass	Pass

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

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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.: 68.431.22.4738.01

Date: 2022-12-14



Greater China

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)	
					002	003+005
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

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					006	007+010
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

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					008	009
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	0.058	0.024
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,	28553-12-0 ,	%	0.005	0.1	N.D.	N.D.

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(DINP)	68515-48-0				
Conclusion				Pass	Pass

13. Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

In-house method, solvent extraction and determination by LC-MSMS, GC-MS and GC- MSMS.

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	0.025	0.025	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.025	0.025	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	3825-26-1	mg/kg	0.025	0.025	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	335-95-5	mg/kg	0.025	0.025	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	2395-00-8	mg/kg	0.025	0.025	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	335-93-3	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	335-66-0	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	1763-23-1	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	754-91-6	mg/kg	0.025	0.025	N.D.	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOSF)*	307-35-7	mg/kg	0.025	0.025	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	2795-39-3	mg/kg	0.025	0.025	N.D.	N.D.
Ammonium perfluorooctanesulphonate(PFOS-NH4)*	29081-56-9	mg/kg	0.025	0.025	N.D.	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctane-1-sulfonate(PFOS-DDA)*	251099-16-8	mg/kg	0.025	0.025	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH)2)*	70225-14-8	mg/kg	0.025	0.025	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	29457-72-5	mg/kg	0.025	0.025	N.D.	N.D.
Heptafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C2H5)4)*	56773-42-3	mg/kg	0.025	0.025	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	mg/kg	0.5	0.5	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	mg/kg	0.5	0.5	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	4021-47-0	mg/kg	0.025	0.025	N.D.	N.D.
Conclusion					Pass	Pass

Compound	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					008	014
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	27619-97-2	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.025	0.025	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	3825-26-1	mg/kg	0.025	0.025	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	335-95-5	mg/kg	0.025	0.025	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	2395-00-8	mg/kg	0.025	0.025	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	335-93-3	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	335-66-0	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	1763-23-1	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	754-91-6	mg/kg	0.025	0.025	N.D.	N.D.

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perfluoro-1-octanesulfonyl fluoride (POSF/PFOSF)*	307-35-7	mg/kg	0.025	0.025	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	2795-39-3	mg/kg	0.025	0.025	N.D.	N.D.
Ammonium perfluorooctanesulfonate(PFOS-NH4)*	29081-56-9	mg/kg	0.025	0.025	N.D.	N.D.
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	0.025	0.025	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH)2)*	70225-14-8	mg/kg	0.025	0.025	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	29457-72-5	mg/kg	0.025	0.025	N.D.	N.D.
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C2H5)4)*	56773-42-3	mg/kg	0.025	0.025	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	mg/kg	0.5	0.5	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	mg/kg	0.5	0.5	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	4021-47-0	mg/kg	0.025	0.025	N.D.	N.D.
Conclusion					Pass	Pass

Compound	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					020	023
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	27619-97-2	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.025	0.025	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	3825-26-1	mg/kg	0.025	0.025	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	335-95-5	mg/kg	0.025	0.025	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	2395-00-8	mg/kg	0.025	0.025	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	335-93-3	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	335-66-0	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	1763-23-1	mg/kg	0.025	0.025	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	754-91-6	mg/kg	0.025	0.025	N.D.	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOSF)*	307-35-7	mg/kg	0.025	0.025	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	2795-39-3	mg/kg	0.025	0.025	N.D.	N.D.
Ammonium perfluorooctanesulfonate(PFOS-NH4)*	29081-56-9	mg/kg	0.025	0.025	N.D.	N.D.
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	0.025	0.025	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH)2)*	70225-14-8	mg/kg	0.025	0.025	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	29457-72-5	mg/kg	0.025	0.025	N.D.	N.D.
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C2H5)4)*	56773-42-3	mg/kg	0.025	0.025	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	mg/kg	0.5	0.5	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	mg/kg	0.5	0.5	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	4021-47-0	mg/kg	0.025	0.025	N.D.	N.D.
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-

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