

# Test Report

No.: 68.431.22.4702.01

Date: 2022-12-14



Greater China

**Applicant:** Spector & CO  
**Address:** /  
**Sample Description:** IP65 Solar Powerbank  
**End Use:** Technology  
**Item No.:** T1021  
**Style No.:** OFF-ROAD  
**Supplier:** USU019  
**Country of Origin:** CHINA  
**Country of Destination:** CANADA & U.S.A.  
**Receipt Date of Sample:** 2022-11-09  
**Date of Testing:** From 2022-11-14 to 2022-12-14  
**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 - Substrate Materials	Pass*
2. US California Proposition 65 - Total Lead Content Test - Substrate Materials	Pass*
3. Phthalates Content (11P)	Pass*
4. Tungsten Content Test	Report As Is
5. Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test	Pass
6. Total Nickel Content Test	Report As Is
7. U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)	Pass
8. US California Proposition 65 - Phthalates Content (6P)	Pass*
9. Canadian Products Containing Mercury Regulations SOR/2014-254 - Total Mercury Content Test	Pass
10. 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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Testing Center

Prepared by:

Authorized by:

Jojo Zhao



Eva Liang

Jojo Zhao  
Project Coordinator

Eva Liang  
Project Manager

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- (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
A	Whole product	
001	Black plastic w/ black / white printing (Shell)	
002	Transparent plastic (Cover of LED)	
003	Translucent plastic (Cover of indicator light)	
004	Black soft plastic (Rim of solar panel)	
005	Transparent plastic (Cover of solar panel)	
006	Black plated silvery metal (Screw)	

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007	Black soft plastic (Cover of socket, edge of shell)	
008	Grey black plastic (USB-A socket)	
009	Black plated silvery metal (Frame of carabiner)	
010	Black plated silvery metal (Arm of carabiner)	
011	Silvery metal (Rivet of carabiner)	
012	Black soft plastic (Micro-USB plug, USB-A plug)	
013	Silvery metal (USB-A plug)	
014	White plastic (USB-A plug)	
015	Black soft plastic / white printing (Cable jacket)	
016	Transparent laminated orange / black printed white paper sticker (Label of cable)	

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017	Silvery metal (Micro-USB plug)	
018	Dark grey plastic (Micro-USB plug)	
019	Black soft plastic (Wire jacket inner USB cable)	
025	Blue / white printed beige PCB (Main PCB)	

T. No	Sample	Description
T1	001	Black plastic w/ black / white printing (Shell)
T2	002	Transparent plastic (Cover of LED)
T3	003	Translucent plastic (Cover of indicator light)
T4	004	Black soft plastic (Rim of solar panel)
T5	005	Transparent plastic (Cover of solar panel)
T6	006	Black plated silvery metal (Screw)
T7	007	Black soft plastic (Cover of socket, edge of shell)
T8	008	Grey black plastic (USB-A socket)

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T. No	Sample	Description
T9	009	Black plated silvery metal (Frame of carabiner)
T10	010	Black plated silvery metal (Arm of carabiner)
T11	011	Silvery metal (Rivet of carabiner)
T12	012	Black soft plastic (Micro-USB plug, USB-A plug)
T13	013	Silvery metal (USB-A plug)
T14	014	White plastic (USB-A plug)
T15	015	Black soft plastic / white printing (Cable jacket)
T16	016	Transparent laminated orange / black printed white paper sticker (Label of cable)
T17	017	Silvery metal (Micro-USB plug)
T18	018	Dark grey plastic (Micro-USB plug)
T19	019	Black soft plastic (Wire jacket inner USB cable)
T20	025	Blue / white printed beige PCB (Main PCB)



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Test Result(s):

1. 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+003	mg/kg	10	75	N.D.	Pass
004+007	mg/kg	10	75	N.D.	Pass
005+008	mg/kg	10	75	N.D.	Pass
006	mg/kg	10	75	N.D.	Pass
009	mg/kg	10	75	N.D.	Pass
010	mg/kg	10	75	N.D.	Pass
011	mg/kg	10	75	N.D.	Pass
012+015	mg/kg	10	75	N.D.	Pass
013	mg/kg	10	75	N.D.	Pass
014+016+018	mg/kg	10	75	N.D.	Pass
017	mg/kg	10	75	N.D.	Pass

2. 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+003	mg/kg	10	100	N.D.	Pass
004+007	mg/kg	10	100	N.D.	Pass
005+008	mg/kg	10	100	N.D.	Pass
006	mg/kg	10	100	N.D.	Pass
009	mg/kg	10	100	22.1	Pass
010	mg/kg	10	100	N.D.	Pass
011	mg/kg	10	100	N.D.	Pass
012+015	mg/kg	10	100	N.D.	Pass
013	mg/kg	10	100	N.D.	Pass
014+016+018	mg/kg	10	100	N.D.	Pass
017	mg/kg	10	100	36.6	Pass

3. 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+003	004+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.

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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.
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					005+008	012+015
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.	0.079
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.
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)
					014+016+018
Diethyl phthalate(DEP)	84-66-2	%	0.005	0.1	N.D.
Benzyl butyl phthalate,	85-68-7	%	0.005	0.1	N.D.

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(BBP)					
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.
Di-n-octyl phthalate, (DNOP)	117-84-0	%	0.005	0.1	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.
<b>Conclusion</b>					<b>Pass</b>

#### 4. 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)
				009
Tungsten(W)	mg/kg	10.0	-	N.D.
<b>Conclusion</b>				<b>Report As Is</b>

#### 5. 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+003	mg/kg	10	90	N.D.	Pass
004+007	mg/kg	10	90	N.D.	Pass
005+008	mg/kg	10	90	N.D.	Pass
006	mg/kg	10	90	N.D.	Pass
009	mg/kg	10	90	22.1	Pass
010	mg/kg	10	90	N.D.	Pass
011	mg/kg	10	90	N.D.	Pass
012+015	mg/kg	10	90	N.D.	Pass
013	mg/kg	10	90	N.D.	Pass
014+016+018	mg/kg	10	90	N.D.	Pass
017	mg/kg	10	90	36.6	Pass

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**6. 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
006	mg/kg	5	-	53.852	Report As Is
009	mg/kg	5	-	46.861	Report As Is
010	mg/kg	5	-	85.440	Report As Is
011	mg/kg	5	-	35.536	Report As Is
013	mg/kg	5	-	10883.091	Report As Is
017	mg/kg	5	-	14540.174	Report As Is

**7. 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+003	004+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	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.
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					005+008	012+015
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,	117-81-7	%	0.005	0.1	N.D.	N.D.

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(DEHP)						
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	0.076
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	N.D.
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					014+016+018	
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.	
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	N.D.	
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.	
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	N.D.	
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.	
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.	
Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.	
<b>Conclusion</b>					<b>Pass</b>	

## 8. 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+003	004+007
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.
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

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Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					005+008	012+015
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.	0.076
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)
					014+016+018
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	N.D.
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	N.D.
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	N.D.
Di-n-hexyl phthalate (DNHP)	84-75-3	%	0.005	0.1	N.D.
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	N.D.
<b>Conclusion</b>					<b>Pass</b>

## 9. 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+003	mg/kg	10	1000	N.D.	Pass
004+007	mg/kg	10	1000	N.D.	Pass
005+008	mg/kg	10	1000	N.D.	Pass
006+013+017	mg/kg	10	1000	N.D.	Pass
009+010+011	mg/kg	10	1000	N.D.	Pass
012+015	mg/kg	10	1000	N.D.	Pass
014+016+018	mg/kg	10	1000	N.D.	Pass

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## 10. Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

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

Compound	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					004	007
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.
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

Compound	CAS No.	Unit	MDL	Client's Limit	Result(s)
					025
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	27619-97-2	mg/kg	0.025	0.025	N.D.
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.025	0.025	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	3825-26-1	mg/kg	0.025	0.025	N.D.
Sodium perfluorooctanoate(Na-PFO)*	335-95-5	mg/kg	0.025	0.025	N.D.
Potassium perfluorooctanoate(K-PFO)*	2395-00-8	mg/kg	0.025	0.025	N.D.
Silver perfluorooctanoate(Ag-PFO)*	335-93-3	mg/kg	0.025	0.025	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	335-66-0	mg/kg	0.025	0.025	N.D.
Perfluorooctansulfonate (PFOS)	1763-23-1	mg/kg	0.025	0.025	N.D.
Perfluorooctane sulphonamide(PFOSA)	754-91-6	mg/kg	0.025	0.025	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOSF)*	307-35-7	mg/kg	0.025	0.025	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	2795-39-3	mg/kg	0.025	0.025	N.D.
Ammonium perfluorooctanesulfonate(PFOS-NH4)*	29081-56-9	mg/kg	0.025	0.025	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-	251099-16-	mg/kg	0.025	0.025	N.D.

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heptadecafluorooctane-1-sulfonate(PFOS-DDA)*	8				
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH)2)*	70225-14-8	mg/kg	0.025	0.025	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	29457-72-5	mg/kg	0.025	0.025	N.D.
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C2H5)4)*	56773-42-3	mg/kg	0.025	0.025	N.D.
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	mg/kg	0.5	0.5	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	mg/kg	0.5	0.5	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	4021-47-0	mg/kg	0.025	0.025	N.D.
<b>Conclusion</b>					<b>Pass</b>

Compound	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					012	019
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.
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

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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