



# Test Report

No.: 68.431.24.2113.01

Date: 2024-05-09

**Applicant:** Spector & Co  
**Address:** /  
**Sample Description:** 4 - PIECE FLASK SET  
**Item No.:** SH106  
**Supplier:** USL048  
**Country of Origin:** TAIWAN  
**Country of Destination:** CANADA & U.S.A.  
**Receipt Date of Sample:** 2024-04-19  
**Date of Testing:** From 2024-04-24 to 2024-05-09  
**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. Canada 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. Total Chromium Content - Test for compliance with the selected requirement(s) in the General Recognized As Safe (GRAS) specification according to United State Food and Drug Administration (US FDA) Regulations on stainless steel	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:



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Senior Project Coordinator

## Note:

- (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied.  
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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
A	Whole product	
001	Black synthetic leather with black thread/ adhesive backing (Flask, cup)	

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Sample	Description	Photo
002	Brown synthetic leather with brown thread/ adhesive backing (Flask, cup)	
003	Silvery metal (Cup)	
004	Silvery metal (Funnel)	
005	Silvery metal (Mainbody of flask)	

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Sample	Description	Photo
006	Silvery metal (Flask opening)	
007	Silvery metal (Flask knob lid)	
008	Silvery plated white plastic (Loop of flask knob lid)	
009	Silvery metal (Axle of flask)	
010	White foam (Shim of flask knob lid)	
011	Black/ brown paper board (Box)	
012	Matt-black foam (Insert of box)	

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Sample	Description	Photo
013	Black sponge (Pad of box)	

T. No	Sample	Description
T1	001	Black synthetic leather with black thread/ adhesive backing (Flask, cup)
T2	002	Brown synthetic leather with brown thread/ adhesive backing (Flask, cup)
T3	003	Silvery metal (Cup)
T4	004	Silvery metal (Funnel)
T5	005	Silvery metal (Mainbody of flask)
T6	006	Silvery metal (Flask opening)
T7	007	Silvery metal (Flask knob lid)
T8	008	Silvery plated white plastic (Loop of flask knob lid)
T9	009	Silvery metal (Axle of flask)
T10	010	White foam (Shim of flask knob lid)
T11	011	Black/ brown paper board (Box)
T12	012	Matt-black foam (Insert of box)
T13	013	Black sponge (Pad of box)

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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
<b>001+002+010</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>003</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>004</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>005</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>006</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>007</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>008</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>009</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>011</b>	mg/kg	10	75	N.D.	<b>Pass</b>
<b>012+013</b>	mg/kg	10	75	N.D.	<b>Pass</b>

**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
<b>001+002+010</b>	mg/kg	10	100	N.D.	<b>Pass</b>
<b>003</b>	mg/kg	10	100	N.D.	<b>Pass</b>
<b>004</b>	mg/kg	10	100	N.D.	<b>Pass</b>
<b>005</b>	mg/kg	10	100	N.D.	<b>Pass</b>
<b>006</b>	mg/kg	10	100	N.D.	<b>Pass</b>
<b>007</b>	mg/kg	10	100	N.D.	<b>Pass</b>
<b>008</b>	mg/kg	10	100	N.D.	<b>Pass</b>
<b>009</b>	mg/kg	10	100	40.5	<b>Pass</b>
<b>011</b>	mg/kg	10	100	N.D.	<b>Pass</b>
<b>012+013</b>	mg/kg	10	100	N.D.	<b>Pass</b>

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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+010	011
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.
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)
					012+013
Diethyl phthalate(DEP)	84-66-2	%	0.005	0.1	N.D.
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	0.010
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>

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**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	Maximum Permissible Limit	Result(s)
				005
Tungsten(W)	mg/kg	10.0	-	62.21
<b>Conclusion</b>				<b>Report As Is</b>

**5. Canada 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
<b>001+002+010</b>	mg/kg	10	90	N.D.	<b>Pass</b>
<b>003</b>	mg/kg	10	90	N.D.	<b>Pass</b>
<b>004</b>	mg/kg	10	90	N.D.	<b>Pass</b>
<b>005</b>	mg/kg	10	90	N.D.	<b>Pass</b>
<b>006</b>	mg/kg	10	90	N.D.	<b>Pass</b>
<b>007</b>	mg/kg	10	90	N.D.	<b>Pass</b>
<b>008</b>	mg/kg	10	90	N.D.	<b>Pass</b>
<b>009</b>	mg/kg	10	90	40.5	<b>Pass</b>
<b>011</b>	mg/kg	10	90	N.D.	<b>Pass</b>
<b>012+013</b>	mg/kg	10	90	N.D.	<b>Pass</b>

**6. Total Nickel Content Test**

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

Sample	Unit	MDL	Client's Limit	Result(s)	Conclusion
<b>003</b>	mg/kg	5	-	85821.268	<b>Report As Is</b>
<b>004</b>	mg/kg	5	-	70575.221	<b>Report As Is</b>
<b>005</b>	mg/kg	5	-	71994.949	<b>Report As Is</b>
<b>006</b>	mg/kg	5	-	70569.307	<b>Report As Is</b>
<b>007</b>	mg/kg	5	-	73086.240	<b>Report As Is</b>
<b>008</b>	mg/kg	5	-	6575.462	<b>Report As Is</b>
<b>009</b>	mg/kg	5	-	7670.961	<b>Report As Is</b>

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## 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+010	011
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)
					012+013
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.
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Di-n-pentyl phthalates (DnPP)	131-18-0	%	0.005	0.1	N.D.
<b>Conclusion</b>					<b>Pass</b>

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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+010	011
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>

Parameter	CAS No.	Unit	MDL	Client's Limit	Result(s)	
					012+013	
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	N.D.	
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	0.010	
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<b>Conclusion</b>					<b>Pass</b>	

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9. Total Chromium Content

Test for compliance with the selected requirement(s) in the General Recognized As Safe (GRAS) specification according to United State Food and Drug Administration (US FDA) Regulations on stainless steel  
Test Method: Digested by acid and analyzed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)

Analyte	Results [%]
	003
Total Chromium(Cr)	17.70
Limit	Not less than 16
Conclusion	Pass

Note:

- “%” denotes percentage by weight



-End of Test Report-

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