

**Test Report No.: 68.431.21.04799.01**

**Dated: 2021-11-23**



**Applicant** : Spector & Co

**Address** : /

**Sample Description** : KEY RING

**PO / Order No.** : PO 72030

**Item No.** : G8013

**Style No.** : COLORPLAY

**Supplier** : USZ003

**Country of Origin** : CANADA

**Country of Destination** : CANADA & U.S.A..

**Test Sample Receipt Date, Location** : 2021-11-10, Shenzhen

**Test Period, Location** : From 2021-11-10 to 2021-11-22, Shenzhen

**Test Result(s)** : Refer to Section 3

**Laboratory:**

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**Purpose Of Examination / Conclusion:**

No.	Test Item(s)	Conclusion
1.	US California Proposition 65 - Total Cadmium Content Test - Substrate Materials	Pass*
2.	US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials	Pass*
3.	US California Proposition 65 - Total Lead Content Test - Substrate Materials	Pass*
4.	US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials	Pass*
5.	Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test	Pass
6.	Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Lead Content Test	Pass
7.	Phthalates Content (11P)	Pass*
8.	US California Proposition 65 - Phthalates Content (6P)	Pass*
9.	U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)	Pass
10.	Tungsten Content Test	Report As Is
11.	Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Mercury Content Test	Pass
12.	Nickel Content Test	Report As Is

**Remarks:**

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) "\*" denotes the conclusion was drawn according to the client's specification.
- (4) The test item and samples were specified by the client.
- (5) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expended uncertainty for "pass", "Fail" and "Inconclusive" is 95%.
- (6) "N.D." denotes below the Report Limit

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1. Description of the Test Sample:

Sample Description	KEY RING
	



2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Red coating (Rim)	
T2	002	Red synthetic leather w/ white fabric backing (Holder)	
T3	003	Orange coating (Rim)	
T4	004	Orange synthetic leather w/ white fabric backing (Holder)	
T5	005	Blue coating (Rim)	
T6	006	Blue synthetic leather w/ white fabric backing (Holder)	
T7	007	Black coating (Rim)	
T8	008	Black synthetic leather w/ grey fabric backing (Holder)	
T9	009	Silvery metal (Key ring)	
T10	010	Silvery metal (Block)	



**3. Test Result**

**3.1 US California Proposition 65 - Total Cadmium Content Test - Substrate Materials**

Test method: Acid digestion/Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Results [mg/kg]	Client's Specification [mg/kg]	Conclusion
002+004	7440-43-9	N.D.	<75	Pass
006+008	7440-43-9	N.D.	<75	Pass
009	7440-43-9	N.D.	<75	Pass
010	7440-43-9	N.D.	<75	Pass

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than

**3.2 US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials**

Test method: Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Results [mg/kg]	Client's Specification [mg/kg]	Conclusion
001+003	7440-43-9	N.D.	<75	Pass
005+007	7440-43-9	N.D.	<75	Pass

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than



**3.3 US California Proposition 65 - Total Lead Content Test - Substrate Materials**

Test method: Acid digestion or Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Client's Specification [mg/kg]	Conclusion
002+004	7439-92-1	N.D.	<100	Pass
006+008	7439-92-1	N.D.	<100	Pass
009	7439-92-1	31.1	<100	Pass
010	7439-92-1	N.D.	<100	Pass

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than

**3.4 US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials**

Test method: Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Client's Specification [mg/kg]	Conclusion
001+003	7439-92-1	N.D.	<90	Pass
005+007	7439-92-1	N.D.	<90	Pass

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than

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**3.5 Total Lead Content Test**

Consumer Products Containing Lead Regulations SOR/2018-83  
 Acid digestion / Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Limit [mg/kg]	Conclusion
001+003	7439-92-1	N.D.	<90	Pass
002+004	7439-92-1	N.D.	<90	Pass
005+007	7439-92-1	N.D.	<90	Pass
006+008	7439-92-1	N.D.	<90	Pass
009	7439-92-1	31.1	<90	Pass
010	7439-92-1	N.D.	<90	Pass

Note 1. "mg/kg" denotes milligram per kilogram  
 2. "<" denotes less than

**3.6 Total Lead Content Test**

Surface Coating Materials Regulations SOR/2016-193  
 Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Sample No	CAS No.	Result [mg/kg]	Limit [mg/kg]	Conclusion
001	7439-92-1	N.D.	<90	Pass
003	7439-92-1	N.D.	<90	Pass
005	7439-92-1	N.D.	<90	Pass
007	7439-92-1	N.D.	<90	Pass

Note 1. "mg/kg" denotes milligram per kilogram  
 2. "<" denotes less than



### 3.7 Phthalates Content (11P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Phthalates	CAS No.	Results [%]			Client's Specification [%]
		Sample 001+003	Sample 002+004	Sample 005+007	
DEHP, Di-(2-ethylhexyl)-phthalat	117-81-7	N.D.	N.D.	N.D.	<0.1
DBP, Dibutylbenzylphthalat	84-74-2	N.D.	N.D.	N.D.	<0.1
DEP, Diethyl phthalate	84-66-2	N.D.	N.D.	N.D.	<0.1
BBP, Butylbenzylphthalat	85-68-7	N.D.	N.D.	N.D.	<0.1
DIBP, Di-iso-butylphthalat	84-69-5	N.D.	N.D.	N.D.	<0.1
DINP, Di-isononyl phthalate	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
DIDP, Di-isodecylphthalat	26761-40-0 , 68515-49-1	N.D.	N.D.	N.D.	<0.1
DNOP, Di-n-octylphthalat	117-84-0	N.D.	N.D.	N.D.	<0.1
DnHP, Di-n-hexyl phthalate	84-75-3	N.D.	N.D.	N.D.	<0.1
DCHP, Dicyclohexyl phthalate	84-61-7	N.D.	N.D.	N.D.	<0.1
DNPP, Di-n-pentylphthalat	131-18-0	N.D.	N.D.	N.D.	<0.1
<b>Conclusion</b>		Pass	Pass	Pass	-

Note 1. "<" denotes less than  
2. "%" denotes percentage by weight .

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### 3.7 Phthalates Content (11P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Phthalates	CAS No.	Results [%]	Client's Specification [%]
		Sample 006+008	
DEHP, Di-(2-ethylhexyl)-phthalat	117-81-7	N.D.	<0.1
DBP, Dibutylbenzylphthalat	84-74-2	N.D.	<0.1
DEP, Diethyl phthalate	84-66-2	N.D.	<0.1
BBP, Butylbenzylphthalat	85-68-7	N.D.	<0.1
DIBP, Di-iso-butylphthalat	84-69-5	N.D.	<0.1
DINP, Di-isononyl phthalate	28553-12-0 , 68515-48-0	N.D.	<0.1
DIDP, Di-isodecylphthalat	26761-40-0 , 68515-49-1	N.D.	<0.1
DNOP, Di-n-octylphthalat	117-84-0	N.D.	<0.1
DnHP, Di-n-hexyl phthalate	84-75-3	N.D.	<0.1
DCHP, Dicyclohexyl phthalate	84-61-7	N.D.	<0.1
DNPP, Di-n-pentylphthalat	131-18-0	N.D.	<0.1
<b>Conclusion</b>		Pass	-

Note 1. "<" denotes less than

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### 3.8 US California Proposition 65 - Phthalates Content (6P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Phthalates	CAS No.	Results [% w/w]			Client's Specification [% w/w]
		Sample 001+003	Sample 002+004	Sample 005+007	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	N.D.	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	N.D.	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	N.D.	N.D.	<0.1
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	N.D.	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DNHP)	84-75-3	N.D.	N.D.	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
<b>Conclusion</b>		Pass	Pass	Pass	-

Phthalates	CAS No.	Results [% w/w]	Client's Specification [% w/w]
		Sample 006+008	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	<0.1
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	N.D.	<0.1
Di-n-hexyl phthalate (DNHP)	84-75-3	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	<0.1
<b>Conclusion</b>		Pass	-

Note 1. "<" denotes less than

2. "%" denotes percentage by weight

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**3.9 U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)**  
 CPSC-CH-C1001-09.4 – Standard Operating Procedure for Determination of Phthalates  
 [Reporting Limit = 0.005%]

Phthalates	CAS No.	Results [%]			Limit [%]
		Sample 001+003	Sample 002+004	Sample 005+007	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	N.D.	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	N.D.	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	N.D.	N.D.	<0.1
Diisobutylphthalate, (DIBP)	84-69-5	N.D.	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DHEXP)	84-75-3	N.D.	N.D.	N.D.	<0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	N.D.	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
Di-n-pentyl phthalates (DPENP)	131-18-0	N.D.	N.D.	N.D.	<0.1
<b>Conclusion</b>		Pass	Pass	Pass	-

Phthalates	CAS No.	Results [%]	Limit [%]
		Sample 006+008	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	<0.1
Diisobutylphthalate, (DIBP)	84-69-5	N.D.	<0.1
Di-n-hexyl phthalate (DHEXP)	84-75-3	N.D.	<0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	<0.1
Di-n-pentyl phthalates (DPENP)	131-18-0	N.D.	<0.1
<b>Conclusion</b>		Pass	-

Note 1. "<" denotes less than  
 2. "%" denotes percentage by weight.



**3.10 Tungsten Content Test**

Test method: EPA 3050B:1996, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test Item	Results [mg/kg]	Client's Specification [mg/kg]
	Sample 009	
Tungsten	N.D.	-
<b>Conclusion</b>	Report As Is	-

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than





**3.11 Total Mercury Content Test**

Surface Coating Materials Regulations SOR/2016-193

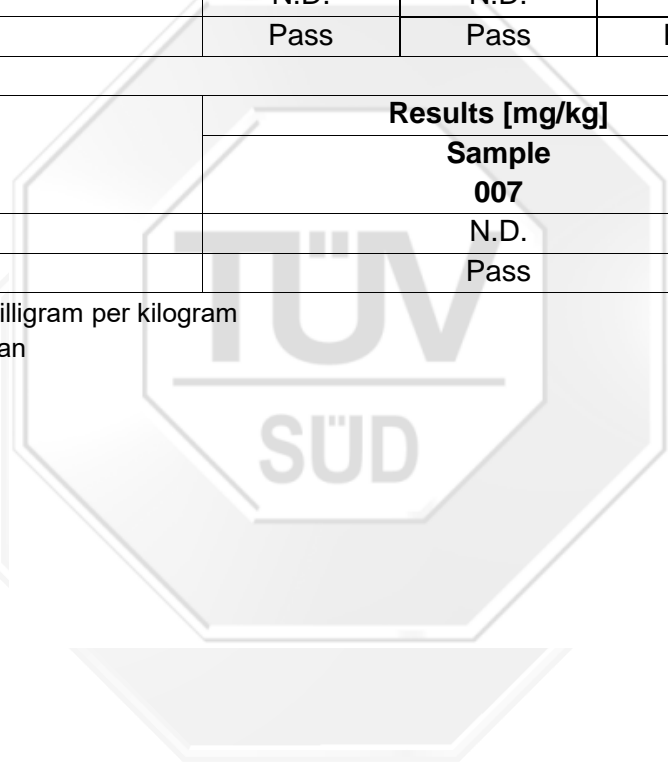
Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test Item	Results [mg/kg]			Limit [mg/kg]
	Sample 001	Sample 003	Sample 005	
Mercury	N.D.	N.D.	N.D.	<10
<b>Conclusion</b>	Pass	Pass	Pass	-

Test Item	Results [mg/kg]	Limit [mg/kg]
	Sample 007	
Mercury	N.D.	<10
<b>Conclusion</b>	Pass	-

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than



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**3.12 Nickel Content Test**

Test method: Acid digestion and analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 5.0mg/kg]

Test Item	Results [mg/kg]		Client's Specification [mg/kg]
	Sample 009	Sample 010	
Nickel	6054.020	1022.317	-
<b>Conclusion</b>	Report As Is	Report As Is	-

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than

