Test Report No.: 68.431.20.02813.01
Dated: 2020-06-23

Applicant	**:**	Spector & Co
Address	:	/
Sample Description	:	Key ring
Product Type / End Use	:	Key holder
Style No.	:	HW961 HW965
Supplier	:	SM9003
Country of Origin	:	China
Exported to	:	CANADA & U.S.A.
Test Sample Receipt Date, Location	:	2020-06-12, Shenzhen
Test Period, Location	:	From 2020-06-12 to 2020-06-22, Shenzhen
Test Result(s)	:	Refer to Section 3

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 Lead Content Test - Substrate Materials	Pass*
3.	Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test	Pass
4.	Phthalates Content (11P)	Pass*
5.	US California Proposition 65 - Phthalates Content (6P)	Pass*
6.	U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)	Pass
7.	Tungsten Content Test	Report As Is
8.	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%.

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

Prepared by:

<Cara Xiang>
<Senior Project Coordinator>

Reviewed by:

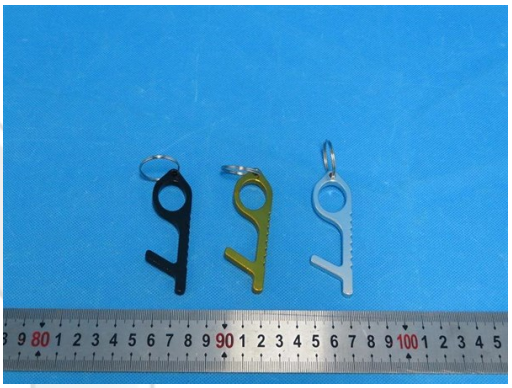
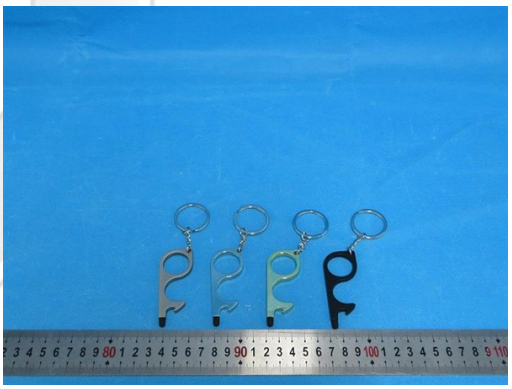
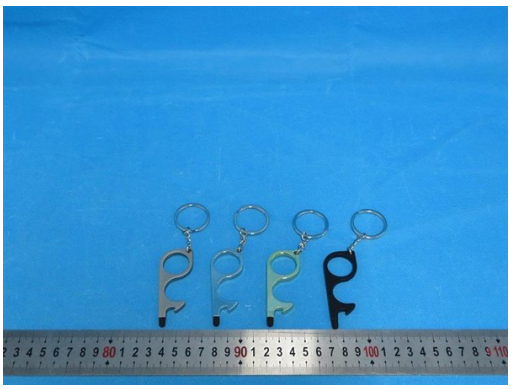
<Ken Chen>
<Project Manager>

Laboratory:
TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Phone : +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: toys_hardline@tuv-sud.hk
Web : http://www.tuv-sud.cn
Regd. Office:
TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2, 518052, P. R. China

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	Silvery metal (Keychain) (HW965)	
T2	002	Light silvery metal (Key) (HW965)	
T3	003	Golden plated metal (Key) (HW965)	
T4	004	Black plated metal (Key) (HW965)	
T5	005	Silvery metal (Keychain) (HW961)	
T6	006	Silvery metal (Small ring of chain) (HW961)	
T7	007	Silvery metal (Chain) (HW961)	
T8	008	Silvery metal (Key) (HW961)	
T9	009	Black soft plastic (Top of key) (HW961)	
T10	011	Golden plated metal w/ clear printing (Key) (HW961)	
T11	012	Matt silvery plated metal w/ clear printing (Key) (HW961)	
T12	014	Black plated light silvery metal (Black key) (HW961)	

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]

Test item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 001	Sample 002	Sample 003	
Cadmium	N.D.	N.D.	N.D.	<75
Conclusion	Pass	Pass	Pass	-

Test item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 004	Sample 005	Sample 006	
Cadmium	N.D.	N.D.	N.D.	<75
Conclusion	Pass	Pass	Pass	-

Test item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 007	Sample 008	Sample 009	
Cadmium	N.D.	N.D.	N.D.	<75
Conclusion	Pass	Pass	Pass	-

Test item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 011	Sample 012	Sample 014	
Cadmium	N.D.	N.D.	N.D.	<75
Conclusion	Pass	Pass	Pass	-

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

3.2 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]

Test Item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 001	Sample 002	Sample 003	
Lead	N.D.	53.8	N.D.	<100
Conclusion	Pass	Pass	Pass	-

Test Item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 004	Sample 005	Sample 006	
Lead	11.6	N.D.	N.D.	<100
Conclusion	Pass	Pass	Pass	-

Test Item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 007	Sample 008	Sample 009	
Lead	N.D.	25.0	N.D.	<100
Conclusion	Pass	Pass	Pass	-

Test Item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 011	Sample 012	Sample 014	
Lead	23.6	34.8	26.4	<100
Conclusion	Pass	Pass	Pass	-

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

3.3 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]

Analyte	Result [mg/kg]		
	Sample 001	**Sample 002**	**Sample 003**
Lead	N.D.	53.8	N.D.
Limit		<90	
Conclusion	Pass	Pass	Pass

Analyte	Result [mg/kg]		
	Sample 004	**Sample 005**	**Sample 006**
Lead	11.6	N.D.	N.D.
Limit		<90	
Conclusion	Pass	Pass	Pass

Analyte	Result [mg/kg]		
	Sample 007	**Sample 008**	**Sample 009**
Lead	N.D.	25.0	N.D.
Limit		<90	
Conclusion	Pass	Pass	Pass

Analyte	Result [mg/kg]		
	Sample 011	**Sample 012**	**Sample 014**
Lead	23.6	34.8	26.4
Limit		<90	
Conclusion	Pass	Pass	Pass

Note 1. “mg/kg” denotes milligram per kilogram
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 10.0mg/kg

3.4 Phthalates Content (11P)

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

Test Items	CAS No.	Results [%]	Client's Specification [%]
		Sample 009	
Di-(2-ethylhexyl)-phthalat (DEHP)	117-81-7	N.D.	<0.1
Dibutylbenzylphthalat (DBP)	84-74-2	N.D.	<0.1
Diethyl phthalate (DEP)	84-66-2	N.D.	<0.1
Butylbenzylphthalat (BBP)	85-68-7	N.D.	<0.1
Di-iso-butylphthalat (DIBP)	84-69-5	N.D.	<0.1
Di-isononyl phthalate (DINP)	28553-12-0 , 68515-48-0	N.D.	<0.1
Di-isodecylphthalat (DIDP)	26761-40-0 , 68515-49-1	N.D.	<0.1
Di-n-octylphthalat (DNOP)	117-84-0	N.D.	<0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	N.D.	<0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	<0.1
Di-n-pentyphthalat (DNPP)	131-18-0	N.D.	<0.1
Conclusion		Pass	-

Note 1. “%” denotes percentage by weight
2. “<” denotes less than
3. “N.D.” denotes Not Detected with Detection Limit 0.005%

3.5 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%]

Test Items	CAS No.	Results [%]	Client's Specification [%]
		Sample 009	
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
Conclusion		Pass	-

Note 1. "%" denotes percentage by weight
2. "<" denotes less than
3. "N.D." denotes Not Detected with Detection Limit 0.005%

3.6 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 009	
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
Conclusion		Pass	-

Note 1. "%" denotes percentage by weight
2. "<" denotes less than
3. "N.D." denotes Not Detected with Detection Limit 0.005%

3.7 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 002	
Tungsten	N.D.	-
Conclusion	Report As Is	-

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 10.0mg/kg

3.8 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 001	Sample 002	Sample 003	
Nickel	4297.54	59.61	94.64	-
Conclusion	Report As Is	Report As Is	Report As Is	-

Test Item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 004	Sample 005	Sample 006	
Nickel	86.27	1620.53	2227.48	-
Conclusion	Report As Is	Report As Is	Report As Is	-

Test Item	Results [mg/kg]			Client's Specification [mg/kg]
	Sample 007	Sample 008	Sample 011	
Nickel	3096.31	984.66	2754.42	-
Conclusion	Report As Is	Report As Is	Report As Is	-

Test Item	Results [mg/kg]		Client's Specification [mg/kg]
	Sample 012	Sample 014	
Nickel	1480.44	N.D.	-
Conclusion	Report As Is	Report As Is	-

Note:
- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- "N.D." denotes Not Detected with Detection Limit 5.0mg/kg

-- END OF TEST REPORT--