

**Test Report** Number: SZHH01114841

Date:

Dec 20, 2016

Applicant: SPECTOR & CO

5700 KIERAN ROAD MONTREAL, QC,

CANADA, H4S2B5

LAVINA DA SILVA Attn:

Sample Description:

Six (6) sets of submitted sample said to be : Item Name

G1286 (Black, Blue, Red, Green, Orange, Grey). Item No.

P.O.No. 31340,69099. Manufacture USX009. Country of Destination Country of Origin Canada, USA. China.

Date Sample Received Dec 12, 2016.



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued

Authorized by:

For Intertek Testing Services

Shenzhen Ltd.

Ben N.L. Lin General Manager

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Attention is drawn to the terms and conditions printed overleaf.



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Conclusion:

Tested Sample Standard Result Tested components of U.S. CFR Title 16 Part 1303 total Lead content Pass

submitted samples sets See Comment

U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in

surface coating

U.S. Consumer Product Safety Improvement Act See Comment 2008 Title I, Section 101 for Total Lead content in

Non-surface coating materials (substrate)

US Consumer Product Safety Improvement Act 2008

Title I, Sec 108 requirement on phthalate

See Comment

Tested Sample Test Item

Tested components of Di-n-hexyl phthalate (DnHP) Content See Test Conducted submitted samples sets

Tested Sample Standard Result Consent Judgment No. CV-230462 on phthalate Tested components of

content based on the California Proposition 65 submitted samples sets

**Pass** 

Comment:

The testing scope of the standards were not applicable to the submitted samples. However, the test results of the tested components met the related requirements as stated in this report.

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**Tests Conducted** 

## 1 Total Lead (Pb) Content in Surface Coating

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

	Result (ppm) θ	Reporting	Limit
<u>Element</u>	Tested Component	<u> Limit</u>	<u>Limit</u> (ppm)
	(1),(2)	<u>(ppm)</u>	<u>(ppiii)</u>
Lead (Pb)	ND	10	90

ppm = parts per million = mg/kg ND = Not detected θ = Single result for each test component/group

Tested components: See component list in the last section of this report

### 2 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

With reference to Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

	Result (ppm)		Reporting	Limit
<u>Element</u>	Tested Component		<u>Limit</u>	Limit (ppm)
	<u>(6+7+8)</u>	(13)	<u>(ppm)</u>	(ppm)
Lead (Pb)	12	45	10	100

	Result (ppm) θ	Reporting	Limit
<u>Element</u>	Tested Component	<u> Limit</u>	Limit (nom)
	(3+4+5),(9+10),(11+12),(14)	<u>(ppm)</u>	<u>(ppm)</u>
Lead (Pb)	ND	10	100

ppm = parts per million = mg/kg ND = Not detected θ = Single result for each test component/group

Tested components: See component list in the last section of this report





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# 3 Phthalate Content

As per CPSC-CH-C1001-09.3, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

<u>Test item</u>	Result (%) θ Tested component (1),(2),(3+4+5),(6+7+8), (9+10),(11+12)	Reporting Limit (%)	<u>Limit</u> (%)
Dibutyl phthalate (DBP)	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	ND	0.01	0.1
Di-n-octyl phthalate (DNOP)	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	ND	0.01	0.1

The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

ND = Not detected

 $\theta$  = Single result for each test component/group

Tested Components: See component list in the last section of this report

### 4 Di-n-hexyl phthalate (DnHP) Content

By solvent extraction and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

<u>Test item</u>	Result (%) 0 <u>Tested component</u> (1),(2),(3+4+5),(6+7+8),(9+10),(11+12)	Reporting limit (%)
Di-n-hexyl phthalate (DnHP)	ND	0.01

ND = Not detected

 $\theta$  = Single result for each test component/group

Tested Components: See component list in the last section of this report





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**Tests Conducted** 

### 5 Phthalate Content

With reference to CPSC-CH-C1001-09.3 and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis..

Test item	Result (%) 0 <u>Tested component</u> (1),(2),(3+4+5),(6+7+8), (9+10),(11+12)	Reporting limit (%)	Limit (%)
Dibutyl phthalate (DBP)	ND	0.01	0.1
Diethyl hexyl phthalate (DEHP)	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	ND	0.01	

The above limit was quoted from the Consent Judgment No. CV-230462 settled by superior court of the State of California for the county of Santa Clara, for stationery based on the California Proposition 65.

ND = Not detected

 $\theta$  = Single result for each test component/group

Tested Components: See component list in the last section of this report

#### Component list:

- Blue ink (refill of all styles).
- (2) Silver color coating on plastic (tip cap of all styles).
- (3) Grey plastic excluding coating (tip cap of all styles).
- (4) Silver-grey plastic (refill of all styles).
- (5) Black plastic (barrel of all styles).
- (6) Red plastic (pad, push button of red style).
- (7) Grey plastic (pad, push button of grey style).
- (8) Orange plastic (pad, push button of orange style).
- (9) Green plastic (pad, push button of green style).
- (10) Black plastic (pad, push button of black style).
- (11) Blue plastic (pad, push button of blue style).
- (12) White plastic (thrust tube of all styles).
- (13) Silver color metal (point, metal ball of refill of all styles).
- (14) Silver color metal (spring of all styles).

End of report

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