



TEST REPORT

Test Report # 22H-007798 Date of Report Issue: November 25, 2022

Date of Sample Received: November 11, 2022 Pages: Page 1 of 10

CLIENT INFORMATION:

Company: Spector & Co. Recipient: Chris Pearson

Recipient Email: chrisp@spectorandco.com

SAMPLE INFORMATION:

Description: Zinc alloy/silicone bottle stopper

Assortment: Black & Brown Purchase Order Number: -

SKU/style No.: SH107 / FABRIZO Toy Co./Agency: -

Factory/Supplier/Vendor: USL048 Country of Origin: China, Taiwan

Country of Distribution: Canada, United States Labeled Age Grade: -

Quantity Submitted: 3 pcs per style Recommended Age Grade: -

Testing Period: 11/15/2022 – 11/25/2022 Tested Age Grade: -

OVERALL RESULT:

P PASS

Refer to page 2 for test result summary and appropriate notes.

QIMA Testing (HK) Limited

TH.

Loska Yeung Lok Ka Assistant Manager, Chemical Laboratory QIMA Testing (HK) Limited

Timmy So Tsz Him

Assistant Manager, Physical Laboratory

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TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead and Cadmium in Substrate Materials
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	Client's Requirement, Phthalates content
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets#
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	Canadian Textile Flammability Regulations SOR/2016-194, Non-bedding Textile

Remark:

California Proposition 65, Total Lead and Cadmium in Paints and Surface Coatings and Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead in Surface Coating Materials were not conducted as no paint and similar surface coating found on received sample.

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DETAILED RESULTS:

California Proposition 65, Total Lead and Cadmium in Substrate Materials

Test Method: ASTM F963-16 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	3	4	5		Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Cadmium (Cd)	ND	ND	ND	ND		75
Total Lead (Pb)	ND	ND	ND	24		100
Conclusion	PASS	PASS	PASS	PASS		

Note.

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

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DETAILED RESULTS:

California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

CPSC-CH-C1001-09.4 Test Method:

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2	3			Limit
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Dibutyl phthalate (DBP)	84-74-2	ND	ND			1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND			1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND			1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND			1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND			1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND			1000
	Conclusion	PASS	PASS			

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % w/w (Percent by weight)

LT = Less than

ND = Not detected (Reporting Limit = 300 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

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DETAILED RESULTS:

Client's Requirement, Phthalates content

Test Method: CPSC-CH-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2	3			Limit
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Dibutyl phthalate (DBP)	84-74-2	ND	ND			1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND			1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND			1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND			1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND			1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND			1000
Di-n-octyl phthalate (DNOP)	117-84-0	ND	ND			1000
Diethyl phthalate (DEP)	84-66-2	ND	ND			1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND			1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND			1000
Di-n-pentyl phthalate (DPENP/DnPP)	131-18-0	ND	ND			1000
Conclusion		PASS	PAS			

Note:

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LT = Less than

ND = Not detected (Reporting Limit = 300 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

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DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specime	1	2				
Tast Itam	Test Co	ndition	Result	Result	RL	Limit
Test Item	Temp.	Duration	(ppm)	(ppm)	(ppm)	(ppm)
8% Ethanol extractive	120°F	24 hours	ND	ND	10	50
		Conclusion	PASS	PASS		

Note:

Temp. = Temperature

°F = Degree Fahrenheit

ppm (Parts per million) = mg/kg (Milligrams per kilogram foodstuff)

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

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DETAILED RESULTS:

Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2					
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Total Lead (Pb)	ND					90
Conclusion	PASS					

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

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DETAILED RESULTS:

Canadian Textile Flammability Regulations SOR/2016-194, Non-bedding Textile

(Method: Canadian General Standards Board CAN/CGSB 4.2 NO. 27.5, Textile Test Methods)

Test	Observation	Conclusion
3 (2) Flammability test of product with a raised fibres surface	No Ignition	PASS

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black soft plastic (Silicone)	Bottle stopper (Black style)
2	Brown soft plastic (Silicone)	Bottle stopper (Brown style)
3	Black flocked black textile with black thread	Drawstring bag/ sewing (all styles)
4	Dull black knitted textile	String of drawstring bag (all styles)
5	Bright silvery metal	Handle of bottle stopper (all styles)

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SAMPLE PHOTO:





-End Report-

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