

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 1 of 11
 Date Received: March 24, 2015

SAMPLE INFORMATION:

Description: Aluminum Bottles
 Assortment: - Purchase Order Number: -
 Product ID: AL25, USA24 Toy Co./Agency: -
 Factory/Supplier/Vendor: - Country of Origin: -
 Country of Distribution: - Labeled Age Grade: -
 Quantity Submitted: 3 pcs per style Requested Age Grade: 3+
 Testing Period: 04/02/2015 – 04/15/2015 Tested Age Grade: Over 3 years of age

OVERALL RESULT:

PASS

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

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints & Surface Coatings
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)
PASS	FDA 21 CFR 175.300, Resinous and Polymeric Coatings [#]
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers [#]
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 177.2470, Polyoxymethylene Copolymer [#]
PASS	16 CFR 1500 Federal Hazardous Substances Act (FHSA), Mechanical Hazards
PASS	16 CFR 1500.3(c)(6)(vi), Flammability of Solids Flammable hazards evaluated as described in 16 CFR 1500.44.

ANSECO GROUP (HK) LIMITED

ANSECO GROUP (HK) LIMITED




Vincent Chow Wai Kit
 Manager, Chemical Laboratory

Joseph Kwan Tsz Hung
 Assistant Manager, Physical Laboratory

*The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.
 This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.
 # Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.
 ACLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.*

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 2 of 11
 Date Received: March 24, 2015

DETAILED RESULTS:

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints & Surface Coatings

Analysis performed by Inductively Coupled Plasma-Optical Emission Spectrometry to determine compliance with the above referenced regulations. [Referenced Test Method: CPSC-CH-E-1003-09.1]

Specimen No.	1+2+3	4+5+6	---	---	---	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	22	---	---	---	90
Conclusion	PASS	PASS	---	---	---	

Note:

Pb = Lead

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

LT = Less than

ND = Not detected (Reporting Limit = 20ppm)

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

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.

ACCLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 3 of 11
 Date Received: March 24, 2015

DETAILED RESULTS:

CPSIA Section 101, Total Lead in Substrate Materials

Analysis performed by Inductively Coupled Plasma-Optical Emission Spectrometry to determine compliance with the above referenced regulation.

[Referenced Test Method: CPSC-CH-E1001-08.2 (Metal) and/or CPSC-CH-E1002-08.2 (Non-Metal)]

Specimen No.	7+8	9+10	11	12	---	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	ND	ND	ND	---	100
Conclusion	PASS	PASS	PASS	PASS	---	

Note:

Pb = Lead

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

LT = Less than

ND = Not detected (Reporting Limit = 20ppm)

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

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.

ACCLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 4 of 11
 Date Received: March 24, 2015

DETAILED RESULTS:

CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)

Analysis performed by Gas Chromatography/Mass Spectrometry to determine compliance with the above referenced regulation. [Referenced Test Method: CPSC-CH-C1001-09.3]

Specimen No.	7	9+10	---	---	---	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
DBP	ND	ND	---	---	---	1000
BBP	ND	ND	---	---	---	1000
DEHP	ND	ND	---	---	---	1000
DnOP	ND	ND	---	---	---	1000
DINP	ND	ND	---	---	---	1000
DIDP	ND	ND	---	---	---	1000
Conclusion	PASS	PASS	---	---	---	

Note:

DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate
 DnOP = Di-n-octyl phthalate; DINP = Diisononyl phthalate; DIDP = Diisodecyl phthalate
 ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % w/w (Percent by weight)
 LT = Less than
 ND = Not detected (Reporting Limit = 120ppm)
 Composite results are based on specimen of least mass resulting in highest potential concentration.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.
 This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.
 # Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.
 ACLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 5 of 11
 Date Received: March 24, 2015

DETAILED RESULTS:

FDA 21 CFR 175.300, Resinous and Polymeric Coatings

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 175.300#]

Specimen No.			5		
Test Item	Test Condition		Result	RL	Specification
	Temperature	Duration			
Distilled water extractive (mg/in ²)	Fill boiling, cool to 100°F	20 minutes	ND	0.1	18
Conclusion			PASS		

Specimen No.			6		
Test Item	Test Condition		Result	RL	Specification
	Temperature	Duration			
Distilled water extractive (mg/in ²)	Fill boiling, cool to 100°F	20 minutes	ND	0.1	18
Conclusion			PASS		

Note:

°F = Degree Fahrenheit
 mg/in² = Milligrams per square inch
 LT = Less than
 ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 175.300 (c) (3).

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.
 This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.
 # Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.
 ACLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 6 of 11
 Date Received: March 24, 2015

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1210#]

Specimen No.			9	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	70 minutes	ND	10	50
Conclusion			PASS		

Specimen No.			10	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	70 minutes	ND	10	50
Conclusion			PASS		

Note:

°F = Degree Fahrenheit
 ppm (Parts per million) = mg/kg (Milligrams per kilogram)
 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.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.
 This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.
 # Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.
 ACLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 7 of 11
 Date Received: March 24, 2015

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			7	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Density (g/cc)	NA	NA	0.893	NA	0.85–1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.3	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	3.1	1	30
Conclusion			PASS		

Note:

- °C = Degree Celsius
- g/cc = Grams per cubic centimeter
- % w/w = Percent by weight
- NA = Not applicable
- LT = Less than
- ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.1520 (c) 3.1a.

*The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.
 This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.
 # Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.*

ACCLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 8 of 11
 Date Received: March 24, 2015

DETAILED RESULTS:

FDA 21 CFR 177.2470, Polyoxymethylene Copolymer

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.2470#]

Polyoxymethylene Copolymer in the Finished Form

Specimen No.			8	Result	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Distilled water extractive (mg/in ²)	Fill boiling, cool to 100°F	20 minutes	ND	0.1	0.5
Conclusion			PASS		

Polyoxymethylene Copolymer in the Form of Particles

Specimen No.			8	Result	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Distilled water extractive (% w/w)	Reflux	6 hours	0.050	0.02	0.20
n-Heptane extractive (% w/w)	Reflux	6 hours	0.037	0.02	0.15
Conclusion			PASS		

Note:

°F = Degree Fahrenheit
 mg/in² = Milligrams per square inch
 % w/w = Percent by weight
 LT = Less than
 ND = Not detected. Result value is less than reporting limit (RL).

Remark:

The specification is quoted from 21 CFR 177.2470 (d).

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.
 This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.
 # Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.
 ACLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 9 of 11
 Date Received: March 24, 2015

DETAILED RESULTS:

16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards

Mechanical hazards evaluated as described in 16 CFR 1500.51-1500.53, as applicable.

Test	Conclusion	Observation
Impact	PASS	No Sharp Edges or Sharp Points
Torque	PASS	No Sharp Edges or Sharp Points
Tension	PASS	No Sharp Edges or Sharp Points
Compression	PASS	No Sharp Edges or Sharp Points

16 CFR 1500.3(c)(6)(vi), Flammability of Solids

Flammable hazards evaluated as described in 16 CFR 1500.44.

Test	Conclusion	Observation
Flammability of Solids	PASS	The burn rate is less than 0.1 in/sec. The content is not defined as flammable solid according to 16 CFR 1500.3(c)(6)(vi).

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.

ACCLASS is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
 Recipient: Eric Miller
 Recipient Email: eric@huffermen.com
 cc to Email: -

Test Report # 15H-01278
 Date of Issue: April 15, 2015
 Pages: Page 10 of 11
 Date Received: March 24, 2015

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Blue coating	Outer surface (AL25-Blue/ USA24-Blue styles)
2	Red coating	Outer surface (AL25-Red/ USA24-Red styles)
3	White coating	Outer surface (USA24-White style)
4	Silvery coating	Outer surface (AL25-Silver/ USA24-silver styles)
5	Transparent lacquer	Inner bottles (all AL25 styles)
6	Clear lacquer	Inner bottles (all USA24 styles)
7	Black plastic (PP-co)	Lid (all styles)
8	Bright black plastic (POM-co)	Thread (all USA24 styles)
9	Translucent soft plastic	Gasket (all AL25 styles)
10	Translucent white soft plastic	Gasket (all USA24 styles)
11	Silvery metal (Aluminum)	Body (all styles)
12	Golden metal	Ring (all AL25 styles)

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.

AClass is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

TEST REPORT

Company: Huffermen, Inc.
Recipient: Eric Miller
Recipient Email: eric@huffermen.com
cc to Email: -

Test Report # 15H-01278
Date of Issue: April 15, 2015
Pages: Page 11 of 11
Date Received: March 24, 2015

SAMPLE PHOTO:



-End Report-

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

This test report may not be reproduced in whole or in part, without written approval of ANSECO Group (HK) Limited.

Test is not covered under ACLASS (Certificate # AT-1500) accredited listed scope.

AClass is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.