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ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1500

TEST REPORT

Test Report #	19H-006327	Date of Report Issue:	August 29, 2019
Date of Sample Received:	August 21, 2019	Pages:	Page 1 of 21

CLIENT INFORMATION:

Company:	Hit Promotional Products
Recipient:	Nathan Cotter
Recipient Email:	ncotter@hitpromo.net



SAMPLE INFORMATION:

Description:	19 Oz. Everest Clarity Tumbler / 19 Oz. Everest Noir Tumbler		
Assortment:	9 colors / 9 colors	Purchase Order Number:	326828 / 265253
SKU No.:	5964 / 5965	Agent:	Brand New Days
Factory No.:	106719	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	10 pcs	Recommended Age Grade:	-
Testing Period:	08/21/2019 – 08/29/2019	Tested Age Grade:	-

OVERALL RESULT: **PASS**

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

QIMA Testing (HK) Limited

Loska Yeung Lok Ka
Assistant Manager, Chemical Laboratory

TEST RESULTS SUMMARY:

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 and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	Client's Requirement, Bisphenol A and Bisphenol S#
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets#
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 177.1640, Polystyrene#
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

DETAILED RESULTS:

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

Test Method: CPSC-CH-E-1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	---	---	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	**90**
Conclusion	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.

DETAILED RESULTS:

California Proposition 65, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	---	---	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	**90**
Conclusion	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.

DETAILED RESULTS:

CPSIA Section 101, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+4+5	6+7+8	9+10	11+12	13	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	14	15	---	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	---	---	---	**100**
Conclusion	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.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
3	19H-005837	2	August 16, 2019
4	19H-005837	3	August 16, 2019
5	19H-005837	4	August 16, 2019
6	19H-005837	5	August 16, 2019
7	19H-005837	6	August 16, 2019
8	19H-005837	7	August 16, 2019
9	19H-005837	8	August 16, 2019
10	19H-005837	9	August 16, 2019
11	19H-005837	10	August 16, 2019
12	19H-005837	11	August 16, 2019
13	19H-005837	12	August 16, 2019
14	19H-005837	13	August 16, 2019

DETAILED RESULTS:

California Proposition 65, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+4+5	6+7+8	9+10	11+12	13	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	14	15	---	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	---	---	---	**100**
Conclusion	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.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
3	19H-005837	2	August 16, 2019
4	19H-005837	3	August 16, 2019
5	19H-005837	4	August 16, 2019
6	19H-005837	5	August 16, 2019
7	19H-005837	6	August 16, 2019
8	19H-005837	7	August 16, 2019
9	19H-005837	8	August 16, 2019
10	19H-005837	9	August 16, 2019
11	19H-005837	10	August 16, 2019
12	19H-005837	11	August 16, 2019
13	19H-005837	12	August 16, 2019
14	19H-005837	13	August 16, 2019

DETAILED RESULTS:

Client's Requirement, Bisphenol A and Bisphenol S

Test Method: In-House Method#
Analytical Method: Liquid Chromatography with Mass Spectrometry or
Liquid Chromatography with Mass Spectrometry Mass Spectrometry

Specimen No.		2	4	5	6	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		7	8	9	10	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		11	12	13	14	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Note:
ppb (Parts per billion) = µg/kg (Micrograms per kilogram)
NA = Not applicable
LT = Less than
ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
2	19H-005837	1	August 16, 2019
4	19H-005837	3	August 16, 2019
5	19H-005837	4	August 16, 2019
6	19H-005837	5	August 16, 2019
7	19H-005837	6	August 16, 2019
8	19H-005837	7	August 16, 2019
9	19H-005837	8	August 16, 2019
10	19H-005837	9	August 16, 2019
11	19H-005837	10	August 16, 2019
12	19H-005837	11	August 16, 2019
13	19H-005837	12	August 16, 2019
14	19H-005837	13	August 16, 2019

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			13	---		
Test Item	Test Condition		Result (ppm)	Result (ppm)	**RL (ppm)**	**Limit (ppm)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	**---**	**10**	**50**
		Conclusion	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.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
13	19H-005837	12	August 16, 2019

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	6		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.901	0.901	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	0.7	0.5	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	1.9	ND	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			7	8		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.901	0.901	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	0.6	0.5	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	1.5	2.0	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			9	10		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.902	0.903	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	0.9	0.9	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	1.2	1.6	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			11	12		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.900	0.900	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	1.1	0.7	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	1.8	1.5	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			14	---		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.900	---	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	0.6	---	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	1.8	---	**1.0**	**30**
		Conclusion	PASS	---		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
5	19H-005837	4	August 16, 2019
6	19H-005837	5	August 16, 2019
7	19H-005837	6	August 16, 2019
8	19H-005837	7	August 16, 2019
9	19H-005837	8	August 16, 2019
10	19H-005837	9	August 16, 2019
11	19H-005837	10	August 16, 2019
12	19H-005837	11	August 16, 2019
14	19H-005837	13	August 16, 2019

DETAILED RESULTS:

FDA 21 CFR 177.1640, Polystyrene

Test Method: FDA 21 CFR 177.1640#
Analytical Method: Gas Chromatography with Mass Spectrometry

Contact with Fatty Foods

Specimen No.		2	---	---	---	
Test Item	CAS No.	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	**Limit (% m/m)**
Styrene	100-42-5	0.09	---	---	---	**0.5**
Conclusion		PASS	---	---	---	

Note:
% m/m = Percent by mass
LT = Less than
ND = Not detected (Reporting Limit = 0.05 % m/m)

Remark:
The specification is quoted from 21 CFR 177.1640 (c) (1).

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
2	19H-005837	1	August 16, 2019

DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			4		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
mg/in^2 = 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 181.32 (b) (3).

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
4	19H-005837	3	August 16, 2019

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	3+4+5	6+7+8	9+10	11+12	
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (mg/kg)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**90**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	13	14	15	---	---	
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (mg/kg)**
Total Lead (Pb)	ND	ND	ND	---	---	**90**
Conclusion	PASS	PASS	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)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
3	19H-005837	2	August 16, 2019
4	19H-005837	3	August 16, 2019
5	19H-005837	4	August 16, 2019
6	19H-005837	5	August 16, 2019
7	19H-005837	6	August 16, 2019
8	19H-005837	7	August 16, 2019
9	19H-005837	8	August 16, 2019
10	19H-005837	9	August 16, 2019
11	19H-005837	10	August 16, 2019
12	19H-005837	11	August 16, 2019
13	19H-005837	12	August 16, 2019
14	19H-005837	13	August 16, 2019

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black coating	On outer wall (black style)
2	Clear plastic (PS)	Inner wall (body/ black styles)
3	Clear plastic	Inner wall (body/ black styles); outer wall (body style)
4	Dull clear plastic (AS)	Lid (all lid styles)
5	Red plastic (PP-co)	Slider (lid(red) style)
6	Orange plastic (PP-co)	Slider (lid(orange) style)
7	Green plastic (PP-co)	Slider (lid(green) style)
8	Blue plastic (PP-co)	Slider (lid(blue) style)
9	Purple plastic (PP-co)	Slider (lid(purple) style)
10	Magenta plastic (PP-co)	Slider (lid(magenta) style)
11	Grey plastic (PP-co)	Slider (lid(grey) style)
12	Black plastic (PP-co)	Slider (lid(black) style)
13	Translucent soft plastic (Silicone)	Gasket (all lid styles)
14	Blue plastic (PP-co)	Slider (lid(royal) style)
15	Dull black plastic	Outer wall (black style)

SAMPLE PHOTO:

SAMPLE PHOTO:

SAMPLE PHOTO:

-End Report-