QIMA
YOUR EYES IN THE SUPPLY CHAIN

AT-1500

TEST REPORT

Test Report #	19H-008311	Date of Report Issue:	November 20, 2019
Date of Sample Received:	November 12, 2019	Pages:	Page 1 of 11

CLIENT INFORMATION:

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

SAMPLE INFORMATION:

Description:	7-Piece Measuring Set		
Assortment:	4 colors	Purchase Order Number:	343590
SKU No.:	2148	Agent:	Growth-Sonic
Factory No.:	127651	Country of Origin:	China
Country of Distribution:	United States	Labeled Age Grade:	-
Quantity Submitted:	5 pcs per style + 1 lot Dry paint	Recommended Age Grade:	-
Testing Period:	11/12/2019 – 11/20/2019	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[#ϕ]
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers

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.	6+7+8	9+10	---	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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.

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.	6+7+8	9+10	---	---	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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.

DETAILED RESULTS:

Client's Requirement, Bisphenol A and Bisphenol S

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

Specimen No.		2	3	4	5	
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.		6	---	---	---	
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	**Limit (ppb)**
Bisphenol A (BPA)	80-05-7	ND	---	---	---	**ND**
Bisphenol S (BPS)	80-09-1	ND	---	---	---	**ND**
Conclusion		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)

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			2	3		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.899	0.899	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	1.5	1.0	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	3.5	1.8	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			4	5		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.899	0.899	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	1.1	1.0	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	2.0	1.6	**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.			6	---		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.896	---	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	2.0	---	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	4.5	---	**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.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black coating	Scale on body (all styles)
2	White plastic (PP-co)	Lid/ spoon (white style)
3	Red plastic (PP-co)	Lid/ spoon (red style)
4	Green plastic (PP-co)	Lid/ spoon (green style)
5	Blue plastic (PP-co)	Lid/ spoon (blue style)
6	Clear plastic (PP-co)	Body (all styles)
7	White plastic	Lid/ spoon/ hook of spoon (white style)
8	Red plastic	Lid/ spoon/ hook of spoon (red style)
9	Green plastic	Lid/ spoon/ hook of spoon (green style)
10	Blue plastic	Lid/ spoon/ hook of spoon (blue style)

SAMPLE PHOTO:

-End Report-