



TEST REPORT

Test Report # 18H-007602 Date of Report Issue: October 12, 2018
 Date of Sample Received: October 2, 2018 Pages: Page 1 of 9

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description:	Wave Lunch Container	Purchase Order Number:	276720
Assortment:	2 colors	Agent:	Growth-Sonic
SKU No.:	2128	Country of Origin:	China
Factory No.:	127794	Labeled Age Grade:	-
Country of Distribution:	United States	Recommended Age Grade:	-
Quantity Submitted:	5 pcs per style	Tested Age Grade:	-
Testing Period:	10/02/2018 – 10/12/2018		

OVERALL RESULT:



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

ANSECO GROUP (HK) LIMITED

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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
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 177.1520, Polypropylene Homopolymers
PASS	Client Performance – Dishwasher Test [#]
PASS	Client Performance – Microwave Safe Test [#]

**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.	1+2	3+4	---	---	---	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.	1+2	3+4	---	---	---	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[#]

Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (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) = $\mu\text{g}/\text{kg}$ (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 Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	2	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.903	0.903	NA	0.880 – 0.913
Melting point (°C)	NA	NA	168.4	168.0	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	2.3	1.9	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.3	2.3	0.5	9.8
Conclusion			PASS	PASS		

Specimen No.			3	4	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.905	0.898	NA	0.880 – 0.913
Melting point (°C)	NA	NA	169.0	166.3	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	1.3	1.1	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	1.8	1.6	0.5	9.8
Conclusion			PASS	PASS		

Note:

Temp. = Temperature

°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) 1.1.

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**DETAILED RESULTS:****Client Performance – Dishwasher Test[#]**

Test	Observation	Conclusion
Dishwasher Test – Top rack, 10 cycles	No crack, crazing, chipping or color fading was observed after testing	PASS

Client Performance – Microwave Safe Test[#]

Test	Observation	Conclusion
Microwave Safe Test – Filled with half of the water or full of the water, heat the sample in high power (~1000 W) until boiling	No breakage, deform, melt.	PASS

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	White plastic (PP-homo)	Fork/ knife (all styles)
2	Green plastic (PP-homo)	Lid (lime style)
3	Blue plastic (PP-homo)	Lid (blue style)
4	Translucent plastic (PP-homo)	Container (all styles)



SAMPLE PHOTO:



-End Report-