



19H-008655

# **TEST REPORT**

Test Report # 19H-008655 Date of Report Issue: December 4, 2019

Date of Sample Received: November 25, 2019 Pages: Page 1 of 14

**CLIENT INFORMATION:** 

Company: Hit Promotional Products

Recipient: Nathan Cotter

Recipient Email: ncotter@hitpromo.net

**SAMPLE INFORMATION:** 

Description: Oval Lunch Set

Assortment: 4 colors Purchase Order Number: 346775

SKU No.: 2136 Agent: Growth-Sonic

Factory No.: 127927 Country of Origin: China

Country of Distribution: United States Labeled Age Grade: -

Quantity Submitted: 4 pcs per style Recommended Age Grade: -

Testing Period: 11/26/2019 – 12/04/2019 Tested Age Grade: -

**OVERALL RESULT:** 

**PASS** 

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

QIMA Testing (HK) Limited

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Ricky Cheung Chin Yeung Manager, Physical Laboratory

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Test(s) marked with '\phi' was subcontracted to external laboratory.



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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 177.1210, Closures with Sealing Gaskets#
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers
PASS	Client Performance Requirement - Dishwasher Test#
PASS	Client Safety Requirement – Microwave <sup>#</sup>

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## **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) Inductively Coupled Plasma-Optical Emission Spectrometry Analytical Method:

Specimen No.	1+2+3	4+5	6+7	8+9	10+11+12	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	

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.

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#### **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+5	6+7	8+9	10+11+12	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	

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:**

# 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.	1	2	3	4	
Test Item	CAS No.	Result	Result	Result	Result	Limit
		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	ND
Conclusi	ion	PASS	PASS	PASS	PASS	

Specimen	No.	5	10	11	12	
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
Conclus	ion	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)

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## **DETAILED RESULTS:**

## FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			1	2		
Test Item	Test Condition		Result	Result	RL	Limit
restitem	Temp.	Duration	(ppm)	(ppm)	(ppm)	(ppm)
Distilled water extractive	150°F	2 hours	ND	ND	10	50
n-Heptane extractive	100°F	30 minutes	10	12	10	250
		Conclusion	PASS	PASS		

Specimen No.			3	4		
Test Item	Test Condition		Result	Result	RL	Limit
restitem	Temp.	Duration	(ppm)	(ppm)	(ppm)	(ppm)
Distilled water extractive	150°F	2 hours	ND	ND	10	50
n-Heptane extractive	100°F	30 minutes	ND	ND	10	250
		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:**

## FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			5			
Test Item	Test Condition		Result	Result	RL	Limit
restitem	Temp.	Duration	(ppm)	(ppm)	(ppm)	(ppm)
Distilled water extractive	150°F	2 hours	ND		10	50
n-Heptane extractive	100°F	30 minutes	43		10	250
		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.

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## **DETAILED RESULTS:**

# FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			11	12		
Test Item	Temp.	Duration	Result	Result	RL	Limit
Density (g/cc)	NA	NA	0.900	0.903	NA	0.880 - 0.913
Melting point (°C)	NA	NA	166.1	165.9	NA	150 – 180
n-Hexane extractive (%)	Reflux	2 hours	2.4	2.7	0.1	6.4
Xylene extractive (%)	120°C	2 hours or until total dissolved	2.7	2.7	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:**

## 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	10				
Test Simulant	Test Condition		Result	RL	Limit
rest simulant	Temp.	Duration	Result	KL	LITTIL
Distilled water extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
n-Heptane extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in²)	120°F	2 hours	ND	0.001	0.003
Conclusion			PASS		

Note:

Temp. = Temperature

°F = Degree Fahrenheit

mg/in<sup>2</sup> = 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).

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#### **DETAILED RESULTS:**

# Client Performance Requirement - Dishwasher Test#

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

# Client Safety Requirement - Microwave#

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

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## **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Black soft plastic (silicone)	Valve (black style)
2	Red soft plastic (silicone)	Valve (red style)
3	Green soft plastic (silicone)	Valve (green style)
4	Blue soft plastic (silicone)	Valve (blue style)
5	Translucent soft plastic (silicone)	Gasket (all styles)
6	Black plastic	Button (black style)
7	Red plastic	Button (red style)
8	Green plastic	Button (green style)
9	Blue plastic	Button (blue style)
10	Clear plastic (AS)	Lid (all styles)
11	White plastic (PP-homo)	Spoon/ inner holder (all styles)
12	Grey plastic (PP-homo)	Container (all styles)

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## **SAMPLE PHOTO:**



-End Report-

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