

TEST REPORT

Test Report # 20H-000685 Date of Report Issue: March 3, 2020
Date of Sample Received: February 17, 2020 Pages: Page 1 of 12

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Description: Wheat Lunch Set With Phone Holder
Assortment: 3 colors Purchase Order Number: 346754
SKU No.: 2218 Agent: Brand New Days
Factory No.: 106788 Country of Origin: China
Country of Distribution: United States Labeled Age Grade: -
Quantity Submitted: 6 sets per style Recommended Age Grade: -
Testing Period: 02/17/2020 – 02/28/2020 Tested Age Grade: -
03/03/2020 – 03/03/2020

OVERALL RESULT:

PASS

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

QIMA Testing (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 176.170, Components of Paper and Paper Board in Contact with Aqueous and Fatty Food [#]
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets [#]
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers (Solvent Extractives Only)
PASS	FDA 21 CFR 178.3800, Preservatives for Wood – Pentachlorophenol (PCP) [#]
PASS	Client Performance Requirement- Dishwasher Test [#]
PASS	Client Safety Requirement – Microwave Safe Test [#]

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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)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

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

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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.	4+5	6+7	8+9	10+11	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	---	100
Conclusion	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.

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 (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.		8	9	10	11	
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)

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DETAILED RESULTS:

FDA 21 CFR 176.170, Components of Paper and Paper Board in Contact with Aqueous and Fatty Food

Test Method: FDA 21 CFR 176.170[#]

Specimen No.			1	2	RL (mg/in²)	Limit (mg/in²)
Test Item	Test Condition		Result (mg/in²)	Result (mg/in²)		
	Temp.	Duration				
Distilled water extractive	212°F	30 minutes	ND	ND	0.10	0.5
n-Heptane extractive	120°F	30 minutes	ND	ND	0.10	0.5
Conclusion			PASS	PASS		

Specimen No.			3	4	RL (mg/in²)	Limit (mg/in²)
Test Item	Test Condition		Result (mg/in²)	Result (mg/in²)		
	Temp.	Duration				
Distilled water extractive	212°F	30 minutes	ND	ND	0.10	0.5
n-Heptane extractive	120°F	30 minutes	ND	ND	0.10	0.5
Conclusion			PASS	PASS		

Note:

Temp. = Temperature

°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 176.170 (c).

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210[#]

Specimen No.			8	9	RL (ppm)	Limit (ppm)
Test Item	Test Condition		Result (ppm)	Result (ppm)		
	Temp.	Duration				
Distilled water extractive	212°F	30 minutes	ND	ND	10	50
n-Heptane extractive	120°F	30 minutes	170*	ND	10	250
Conclusion			PASS	PASS		

Specimen No.			10	11	RL (ppm)	Limit (ppm)
Test Item	Test Condition		Result (ppm)	Result (ppm)		
	Temp.	Duration				
Distilled water extractive	212°F	30 minutes	ND	ND	10	50
n-Heptane extractive	120°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.

*The zinc corrected chloroform-soluble extractive analysis was conducted.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers (Solvent Extractives Only)

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	2	RL	Limit
Test Item	Temp.	Duration	Result	Result		
n-Hexane extractive (%)	50°C	2 hours	4.3	3.3	0.4	5.5
Xylene extractive (%)	Reflux	2 hours or until total dissolved	5.7	7.1	1.0	30
Conclusion			PASS	PASS		

Specimen No.			3	4	RL	Limit
Test Item	Temp.	Duration	Result	Result		
n-Hexane extractive (%)	50°C	2 hours	2.6	2.4	0.4	5.5
Xylene extractive (%)	Reflux	2 hours or until total dissolved	5.5	4.8	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.

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DETAILED RESULTS:

FDA 21 CFR 178.3800, Preservatives for Wood – Pentachlorophenol (PCP)

Test Method: In-House Method^{#φ}
 Analytical Method: Gas Chromatography-Electron Capture Detector

Specimen No.	1	2	3	4	---	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Pentachlorophenol (PCP)	ND	ND	ND	ND	---	50
Conclusion	PASS	PASS	PASS	PASS	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 1 ppm)

Remark:

The specification is quoted from 21 CFR 178.3800(b).

DETAILED RESULTS:

Client Performance Requirement – Dishwasher Test[#]

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

Client Safety Requirement – 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) for 3 min	No breakage, deform, melt.	PASS

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Brown plastic (40% wheat fiber + 60% PP)	Fork/ fork holder (brown parts style)
2	Black plastic (40% wheat fiber + 60% PP)	Fork/ fork holder (black parts style)
3	Blue plastic (40% wheat fiber + 60% PP)	Fork/ fork holder (blue style)
4	Flesh plastic (40% wheat fiber + 60% PP)	Box/ lid (box style)
5	Brown plastic (40% wheat fiber + 60% PP)	Fork/ fork holder/ clip/ phone holder (brown parts style)
6	Black plastic (40% wheat fiber + 60% PP)	Fork/ fork holder/ clip/ phone holder (black parts style)
7	Blue plastic (40% wheat fiber + 60% PP)	Fork/ fork holder/ clip/ phone holder (blue style)
8	White soft plastic (TPR)	Gasket of lid (box style)
9	Brown soft plastic (TPR)	Gasket of air hole (brown parts style)
10	Black soft plastic (TPR)	Gasket of air hole (black parts style)
11	Blue soft plastic (TPR)	Gasket of air hole (blue parts style)

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SAMPLE PHOTO:



-End Report-

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