



TEST REPORT

Test Report # 17H-010141 Date of Report Issue: February 5, 2018
 Date of Sample Received: December 27, 2017 Pages: Page 1 of 17

CLIENT INFORMATION:

Company: Prime Products Inc.
 Recipient: Elyse Kristinik
 Recipient Email: elyse.kristinik@primeproductsinc.net



SAMPLE INFORMATION:

Description: PET Bottles: 2063, 2463, Stark63, 2663, EBO63, 3063, Freedom Bottle, 3263 & Mason Jar
 Assortment: Translucent Red, Translucent Blue, Translucent Green, Translucent Smoke, Translucent Clear, Translucent Orange, Translucent Pink, Translucent Aqua-Seaglass, Trans Lime, & Translucent Mocha
 SKU/style No.: -
 Factory/Supplier/Vendor: -
 Country of Distribution: -
 Quantity Submitted: Refer to Page 2
 Testing Period: 01/29/2018 – 02/05/2018

Purchase Order Number: -
 Toy Co./Agency: -
 Country of Origin: United States
 Labeled Age Grade: -
 Recommended Age Grade: -
 Tested Age Grade: -

OVERALL RESULT:

PASS

Refer to page 2 for test result summary and appropriate notes

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The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

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**QUANTITY SUBMITTED DETAILED:**

Style description	Qty.
PET Bottles: 2063	4 pcs
PET Bottles: 2463	4 pcs
PET Bottles: Stark63	4 pcs
PET Bottles: 2663	1 pc
PET Bottles: EBO63	3 pcs
PET Bottles: 3063	4 pcs
PET Bottles: Freedom Bottle - 2 Styles (Pink, Orange)	2 pcs per style
PET Bottles: 3263 - 2 Styles (Lime, Brown)	2 pcs per style
PET Bottles: Mason Jar	4 pcs

**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	CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	Client's Requirement, Bisphenol A [#]
PASS	FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers
PASS	16 CFR 1500.3(c)(6)(vi), Flammability of Solids

Remark:

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings and California Proposition 65, Total Lead in Paints and Surface Coatings were not conducted as no paint and similar surface coating found on received sample.

**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+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.

**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	---	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:****CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4+5+6	7+8	9+10+11	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Conclusion		PASS	PASS	PASS	PASS	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 120 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:****California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4+5+6	7+8	9+10+11	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	1000
Conclusion		PASS	PASS	PASS	PASS	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 120 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**

Test Method: In-House Method[#]
Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		1	2	3	4	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		5	6	7	8	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		9	10	11	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	ND
Conclusion		PASS	PASS	PASS	---	

Note:

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

LT = Less than

ND = Not Detected (Reporting Limit = 1 ppm)



DETAILED RESULTS:

FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Test Method: FDA 21 CFR 177.1630

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			PASS		

Specimen No.			2	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			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 177.1630 (f).



DETAILED RESULTS:

FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Test Method: FDA 21 CFR 177.1630

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			PASS		

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			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 177.1630 (f).



DETAILED RESULTS:

FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Test Method: FDA 21 CFR 177.1630

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			PASS		

Specimen No.			6	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			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 177.1630 (f).



DETAILED RESULTS:

FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Test Method: FDA 21 CFR 177.1630

Specimen No.			7	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			PASS		

Specimen No.			8	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			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 177.1630 (f).



DETAILED RESULTS:

FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Test Method: FDA 21 CFR 177.1630

Specimen No.			9	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			PASS		

Specimen No.			10	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250 ^o F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150 ^o F	2 hours	ND	0.1	0.5
Conclusion			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 177.1630 (f).

**DETAILED RESULTS:****FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers**

Test Method: FDA 21 CFR 177.1630

Specimen No.		11	Result	RL	Limit
Test Item	Test Condition				
	Temp.	Duration			
Distilled water extractive (mg/in ²)	250°F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in ²)	150°F	2 hours	ND	0.1	0.5
Conclusion			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 177.1630 (f).

**DETAILED RESULTS:****16 CFR 1500.3(c)(6)(vi), Flammability of Solids**

Flammable hazards evaluated as described in 16 CFR 1500.44.

Test	Observation	Conclusion
Flammability of Solids	The burn rate is less than 0.1 in/sec. The content is not defined as flammable solid according to 16 CFR 1500.3(c)(6)(vi).	PASS

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Transparent red plastic (PET)	Bottle (PET Bottles: 2063 style)
2	Transparent blue plastic (PET)	Bottle (PET Bottles: 2463 style)
3	Transparent grey plastic (PET)	Bottle (PET Bottles: Stark63 style)
4	Transparent green plastic (PET)	Bottle (PET Bottles: 2663 style)
5	Transparent dull green plastic (PET)	Bottle (PET Bottles: EBO63 style)
6	Transparent plastic (PET)	Bottle (PET Bottles: 3063 style)
7	Transparent orange plastic (PET)	Bottle (PET Bottles: Freedom Bottle – orange style)
8	Transparent pink plastic (PET)	Bottle (PET Bottles: Freedom Bottle – pink style)
9	Transparent light green plastic (PET)	Bottle (PET Bottles: 3263 style)
10	Transparent brown plastic (PET)	Bottle (PET Bottles: 3263 style)
11	Transparent aqua plastic (PET)	Jar (PET Bottles: Mason Jar style)



SAMPLE PHOTO:



-End Report-