

## TEST REPORT

Test Report # 20H-003038 Date of Report Issue: May 20, 2020  
Date of Sample Received: May 18, 2020 Pages: Page 1 of 12

### SAMPLE INFORMATION: 46012 – Fruit Infusion Sport

Description: **PET**

Assortment: Natural | Trans Blue |  
Trans Green | Trans Purple  
| Trans Red | Trans Smoke

SKU/style No.: -

Factory/Supplier/Vendor: -

Country of Distribution: US & Canada

Quantity Submitted: 4 pcs per style

Testing Period: 05/18/2020 – 05/20/2020

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.

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	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)
PASS	Client's Requirement, Bisphenol A <sup>#</sup>
PASS	FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers
PASS	16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards
PASS	16 CFR 1500.3(c)(6)(vi), Flammability of Solids

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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.	1+2+3	4+5+6	---	---	---	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.

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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	---	---	---	Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND	---	---	---	100
<b>Conclusion</b>	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:

### California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

Test Method: CPSC-CH-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

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

#### Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 300 mg/kg)

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:

### 16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)

Test Method: CPSC-CH-C1001-09.4  
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4+5+6	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	---	---	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	---	---	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	---	---	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	---	---	1000
Conclusion		PASS	PASS	---	---	

#### Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 300 mg/kg)

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

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## DETAILED RESULTS:

### Client's Requirement, Bisphenol A

Test Method: In-House Method<sup>#</sup>  
 Analytical Method: Liquid Chromatography with Fluorescence Detection,  
 Liquid Chromatography-Mass Spectrometer (LC-MS)

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
<b>Conclusion</b>	PASS	PASS	PASS	PASS	

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

#### Note:

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

LT = Less than

ND = Not Detected (Reporting Limit = 1 ppm)

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## 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 <sup>2</sup> )	250°F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in <sup>2</sup> )	150°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/in²)	250°F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in²)	150°F	2 hours	ND	0.1	0.5
Conclusion			PASS		

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	250°F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in <sup>2</sup> )	150°F	2 hours	ND	0.1	0.5
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 177.1630 (f).

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## DETAILED RESULTS:

### FDA 21 CFR 177.1630, Polyethylene Phthalate Polymers

Test Method: FDA 21 CFR 177.1630

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	250°F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in <sup>2</sup> )	150°F	2 hours	ND	0.1	0.5
Conclusion			PASS		

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in²)	250°F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in²)	150°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 <sup>2</sup> )	250°F	2 hours	ND	0.1	0.5
n-Heptane extractive (mg/in <sup>2</sup> )	150°F	2 hours	ND	0.1	0.5
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 177.1630 (f).

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## DETAILED RESULTS:

### 16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards

Test	Observation	Conclusion
Sharp Points	No as received sharp point	PASS
Sharp Edges	No as received sharp edge	PASS

### 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	No Ignition. 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	Clear plastic (PET)	Body (Natural style)
2	Clear blue plastic (PET)	Body (Blue style)
3	Clear green plastic (PET)	Body (Green style)
4	Clear purple plastic (PET)	Body (Purple style)
5	Clear red plastic (PET)	Body (Red style)
6	Clear grey plastic (PET)	Body (Smoke style)

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## SAMPLE PHOTO:



-End Report-

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