

## TEST REPORT

Test Report # 21W-006588 Date of Report Issue: May 14, 2021  
Date of Sample Received: May 8, 2021 Pages: Page 1 of 14

### CLIENT INFORMATION:

Company: Koozie Group  
Recipient: 14421 Myerlake Circle  
Clearwater  
Florida  
33760  
United States (USA)



### SAMPLE INFORMATION:

Description: Koozie® Savannah Vacuum Tumbler with Tritan® Lid - 16 oz.  
Assortment: - Test Request Form No.: 5138\_HK  
Item No.: 46317C Country of Origin: China  
Shipment Order No.: PO#7125788 Labeled Age Grade: -  
Country of Distribution: Canada, United States Requested Age Grade: -  
Quantity Submitted: 3 pcs per color Tested Age Grade: -  
Testing Period: 05/08/2021-05/14/2021

### OVERALL RESULT:

**PASS**

Please refer to the following pages for test result summary and appropriate notes.

QIMA (HANGZHOU) TESTING CO., LTD.

Vicky Yu

Vicky Yu  
Chemical Laboratory Supervisor



QIMA (HANGZHOU) TESTING CO., LTD. ♦ 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA

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

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.

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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 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	Canadian Toys Regulations SOR/2011-17 as Amended, Item 23 – Total Lead and Mercury in Paints and Surface Coatings
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	Client's requirement, Bisphenol A content
PASS	CPSC 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	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	Client's Requirement, Phthalates content
PASS	Canadian Phthalates Regulations SOR/2016-188, Phthalates (DBP, BBP, DEHP, DnOP, DINP, DIDP) in Mouthable Vinyl Materials
PASS	FDA 21 CFR 177.2420, Polyester Resins, Cross-Linked



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**DETAILED RESULTS:**

**CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1a	2a	4a	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	20	31	31	---	---	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1a	20W-008336(R1)	3	November 19, 2020
2a	20W-008336(R1)	4	November 19, 2020
4a	20W-008336(R1)	2	November 19, 2020

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
1a	White coating	White stainless steel body (white style)
2a	Black coating	Black stainless steel body (black style)
4a	Blue coating	Blue stainless steel body (blue style)



**DETAILED RESULTS:**

**California Proposition 65, Total Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1a	2a	4a	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	20	31	31	---	---	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/kg)

*Remark:*

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1a	20W-008336(R1)	3	November 19, 2020
2a	20W-008336(R1)	4	November 19, 2020
4a	20W-008336(R1)	2	November 19, 2020

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
1a	White coating	White stainless steel body (white style)
2a	Black coating	Black stainless steel body (black style)
4a	Blue coating	Blue stainless steel body (blue style)



**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.	1b	2b	3	4b	5	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	38	38	38	38	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

*Note:*  
 mg/kg =Milligrams per kilogram  
 LT = Less than  
 ND = Not detected (Reporting Limit =15 mg/kg)

*Remark:*  
 The specification is quoted from client’s requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1b	20W-008336(R1)	1	November 19, 2020
2b	20W-008336(R1)	1	November 19, 2020
3	20W-008336(R1)	1	November 19, 2020
4b	20W-008336(R1)	1	November 19, 2020

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
1b	Silver metal	White stainless steel body (white style)
2b	Silver metal	Black stainless steel body (black style)
3	Silver metal	Silver stainless steel body (silvery style)
4b	Silver metal	Blue stainless steel body (blue style)
5	Clear plastic (Tritain)	Clear Tritain lid (all styles)



**DETAILED RESULTS:**

**Canadian Toys Regulations SOR/2011-17 as Amended, Item 23 – Total Lead and Mercury in Paints and Surface Coatings**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1a	2a	4a	---	---	Total Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	20	31	31	---	---	<b>90</b>
Total Mercury (Hg)	ND	ND	ND	---	---	<b>10</b>
<b>Conclusion</b>	PASS	PASS	PASS	---	---	

*Note:*

mg/kg=Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit: Pb=15 mg/kg; Hg = 10 mg/kg)

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1a	20W-008336(R1)	3	November 19, 2020
2a	20W-008336(R1)	4	November 19, 2020
4a	20W-008336(R1)	2	November 19, 2020

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
1a	White coating	White stainless steel body (white style)
2a	Black coating	Black stainless steel body (black style)
4a	Blue coating	Blue stainless steel body (blue style)



**DETAILED RESULTS:**

**Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content**

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1b	2b	3	4b	5	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	38	38	38	38	ND	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

*Note:*

mg/kg=Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1b	20W-008336(R1)	1	November 19, 2020
2b	20W-008336(R1)	1	November 19, 2020
3	20W-008336(R1)	1	November 19, 2020
4b	20W-008336(R1)	1	November 19, 2020

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
1b	Silver metal	White stainless steel body (white style)
2b	Silver metal	Black stainless steel body (black style)
3	Silver metal	Silver stainless steel body (silvery style)
4b	Silver metal	Blue stainless steel body (blue style)
5	Clear plastic (Tritain)	Clear Tritain lid (all styles)



**DETAILED RESULTS:**

**Client's requirement, Bisphenol A content**

Test Method: In-House Method  
 Analytical Method: Gas Chromatography-Mass Spectrometer  
 Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.	5	---	---	---	Client's limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)
Bisphenol A (BPA)	80-05-7	ND	---	---	---
<b>Conclusion</b>	PASS	---	---	---	<b>Not Detected</b>

*Note:*  
 mg/kg=milligram per kilogram  
 ND=Not Detected(Reporting limit = 1.0mg/kg)

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
5	Clear plastic (Tritain)	Clear Tritain lid (all styles)



**DETAILED RESULTS:**

**CPSC 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.	5	---	---	---	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	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	---	---	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	---	---	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	---	---	1000
<b>Conclusion</b>	PASS	---	---	---	

*Note:*  
 mg/kg = Milligrams per kilogram  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
5	Clear plastic (Tritain)	Clear Tritain lid (all styles)



**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.	5	---	---	---	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	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	---	---	1000
<b>Conclusion</b>		PASS	---	---	

*Note:*  
 mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)

*Remark:*  
 The specification is quoted from client's requirement.

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
5	Clear plastic (Tritain)	Clear Tritain lid (all styles)



**DETAILED RESULTS:**

**Client's Requirement, Phthalates content**

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

Specimen No.	5	---	---	---	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	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	---	---	1000
<b>Conclusion</b>		PASS	---	---	

*Note:*  
 mg/kg = Milligrams per kilogram  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
5	Clear plastic (Tritain)	Clear Tritain lid (all styles)



**DETAILED RESULTS:**

**Canadian Phthalates Regulations SOR/2016-188, Phthalates (DBP, BBP, DEHP, DnOP, DINP, DIDP) in Mouthable Vinyl Materials**

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

**Vinyl material foreseeable be placed in the mouth**

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

*Note:*  
 mg/kg = Milligrams per kilogram  
 LT = Less than  
 ND = Not detected (Reporting Limit = 150 mg/kg)  
 Composite results are based on specimen of least mass resulting in highest potential concentration.

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
5	Clear plastic (Tritain)	Clear Tritain lid (all styles)



**DETAILED RESULTS:**

**FDA 21 CFR 177.2420, Polyester Resins, Cross-Linked**

Test Method: FDA 21 CFR 177.2420

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Fill boiling	Cooling to 100°F	0.01	<b>0.01</b>	<b>0.1</b>
n-Heptane extractive (mg/in <sup>2</sup> )	120°F	0.25 hours	ND	<b>0.01</b>	<b>0.1</b>
8% Ethanol extractive (mg/in <sup>2</sup> )	Fill boiling	Cooling to 100°F	0.01	<b>0.01</b>	<b>0.1</b>
50% Ethanol extractive (mg/in <sup>2</sup> )	Fill boiling	Cooling to 100°F	0.02	<b>0.01</b>	<b>0.1</b>
<b>Conclusion</b>			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 177.2420 (c).

**SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
5	Clear plastic (Tritain)	Clear Tritain lid (all styles)



**SAMPLE PHOTO:**



-End Report-

