

## TEST REPORT

Test Report # 23W-012118 Date of Report Issue: September 1, 2023  
Date of Sample Received: August 22, 2023 Pages: Page 1 of 12

### CLIENT INFORMATION:

Company: Polyconcept GBS  
Recipient: Kathy Lu  
Recipient Email: kathy.lu@polyconceptgbs.com



### SAMPLE INFORMATION:

Description: Sedici Tumbler 16oz  
Article No.: 1622-63BL/CL Purchase Order Number: 2040731  
Factory No.: 11810 Toy Co./Agency: -  
Vendor No.: 11080 Country of Origin: China  
Country of Distribution: Canada, United States Labeled Age Grade: -  
Quantity Submitted: 1 pack Requested Age Grade: -  
Testing Period: 08/23/2023-09/01/2023 Tested Age Grade: -

### OVERALL RESULT:

**PASS**

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

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*Jeremy Xu*

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Jeremy Xu  
Chemical Laboratory Supervisor

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**TEST RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	Client's requirement, Bisphenol A content
PASS	Client's Requirement, Phthalates content
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers
PASS	16 CFR 1500.48 & 49 As received sharp edge
PASS	19 CFR 134.11-Country of Origin-Labeling Review



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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+5	2+4	3	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	---	---	<b>100</b>
<b>Conclusion</b>	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.

*Remark:*

The specification is quoted from client's requirement.



**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.	1+5	2+4	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	90
<b>Conclusion</b>	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.



**DETAILED RESULTS:**

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

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

Specimen No.	1	2	3	4	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	ND	ND	ND	<b>Not Detected</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	

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>Not Detected</b>
<b>Conclusion</b>	PASS	---	---	---	

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



**DETAILED RESULTS:**

**Client's Requirement, Phthalates content**

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

Specimen No.		1+5	2+4	3	---	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	ND	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	---	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	---	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	---	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	---	1000
<b>Conclusion</b>		PASS	PASS	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.



**DETAILED RESULTS:**

**FDA 21 CFR 177.1210, Closures with Sealing Gaskets**

Test Method: FDA 21 CFR 177.1210

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/kg)	Fill boiling	Cooling to 100°F	ND	10	50
n-Heptane extractive (mg/kg)	120°F	0.25hours	17.7	10	50
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°F = Degree Fahrenheit

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

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 3.



**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.90	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50°C	2 hours	0.4	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours or total dissolved	3	1	30
<b>Conclusion</b>			PASS		

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.87	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours or total dissolved	1	1	30
<b>Conclusion</b>			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) 3.1a.





**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.			2	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
3% Acetic acid extractive (mg/in <sup>2</sup> )	120°F	2 hours	ND	<b>0.001</b>	<b>0.003</b>
<b>Conclusion</b>			PASS		

Specimen No.			4	RL	Limit
Test Simulant	Test Condition		Result		
	Temp.	Duration			
3% Acetic acid extractive (mg/in <sup>2</sup> )	120°F	2 hours	ND	<b>0.001</b>	<b>0.003</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 181.32 (b) (3).



**DETAILED RESULTS:**

**16 CFR 1500.48 & 49 As received sharp edge**

Test	Observation	Conclusion
Sharp Edges	No Sharp edge.	PASS

Remark: Only test Straws as per client's request.

**19 CFR 134.11-Country of Origin-Labeling Review**

Test	Observation	Conclusion
Country of Origin	Present on product and can be read easily by consumer at the point of sale	PASS



**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Translucent blue plastic	Straw (1622-63BL)
2	Transparent blue plastic	Lid/main body (1622-63BL)
3	Translucent soft plastic	Sealing ring (all styles)
4	Transparent plastic	Interior (1622-63BL)/interior/main body/lid (1622-63CL)
5	Translucent plastic	Straw (1622-63CL)



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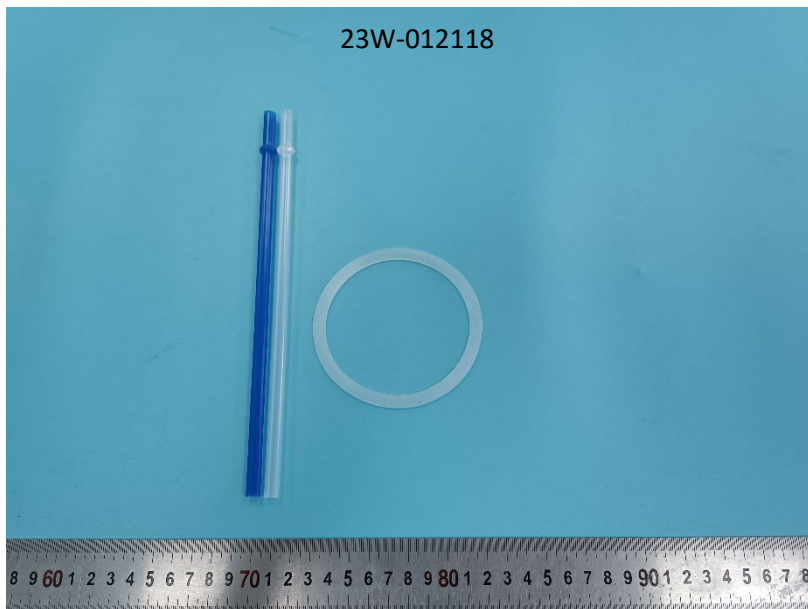
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**SAMPLE PHOTO:**



-End Report-

