


**POLYCONCEPT
TEST REPORT**

LAB LOCATION: SHANG HAI **REPORT NUMBER:** EFW524010117-H-04
DATE IN: January 02, 2024 **DATE OUT:** January 09, 2024
REVISED DATE: January 17, 2024

Applicant:	Polyconcept GBS		
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<u>OVERALL RATING</u>	
PASS	<u>X</u>
FAIL	<u>--</u>
PRELIM FAIL	<u>--</u>

Sample Information		
 EFW524010117-H-04	Sample Description:	Corzo Copper Vacuum Insulated Cup 12oz
	PO Number:	2052943/2052939
	Article Number:	1625-53WH/NY
	Number of Sample Submitted:	6pcs sample per SKU + 10pcs lid + 30g silicon rings
	Factory Number:	11054
	Vendor Number:	10583
	Customer:	Leed's
	Country of Origin:	China
	Country of Destination:	US/CAN
	Retest – Previous Report No:	/
Remark: --		

This is a revised report of EFW524010117-H-01. As per client's request, revised Article Number in the report.

For and on behalf of
**Eurofins MTS Consumer
 Product Testing (Shanghai) Co., Ltd.**



**Chen Lin, Rain
 Manager, Hardlines Division**

Test Result Summary	
Test Requested	Result
16 CFR 1303 Total Lead in Surface Coatings	PASS
California Proposition 65 Total Lead Content in Surface Coatings and Substrates	PASS
Canadian Consumer Products Containing Lead Regulation (SOR/2018-83) - Total Lead in Substrate	PASS
Phthalate Content (10P)	PASS
Extractable Lead and Cadmium (Lip and Rim) – Client Requirement	PASS
Total Bisphenol A Content	PASS
Material in Contact with Food Articles [Acrylonitrile Copolymer] – U.S. FDA 21 CFR 180.22	PASS
Material in Contact with Food Articles [Closures with Sealing Gaskets for Food Containers] – U.S. FDA 21 CFR 177.1210	PASS
FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers	PASS
19 CFR 134.11 Country of Origin Markings	PASS

COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	Corzo Copper Vacuum Insulated Cup 12oz
A1	Black coating(outside cup)
A2	White coating(outside cup)
#A3	Transparent plastic(lid)
#A4	Transparent silicon(gasket)
A5	Silver metal(inner cup)
A6	Corzo Copper Vacuum Insulated Cup 12oz-Navy
A7	Corzo Copper Vacuum Insulated Cup 12oz-White

#Result(s) in this report was/were transferred from the specified tested item(s) of 64123-111009 dated on December 06, 2023.

TEST RESULT:

Total Lead Content in Paint or Similar Surface Coating – U.S. CPSC 16 CFR 1303

Test Item	Accessibility (Remark 1)	Classification	Total Lead (Pb) (ppm)		Conclusion
			Result	Limit	
A1+A2	Accessible as received	Paint or similar surface coating	<10	90	PASS

Method:

- 1) Lead in paint and other similar surface coatings:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, February 25, 2011 (CPSC-CH-E1003-09.1)
- 2) Lead in metals:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Children’s Metal Products (Including Children’s Metal Jewelry), November 15, 2012 (CPSC-CH-E1001-08.3)
- 3) Lead in other non-metal materials including plastics, glass and leather material:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children’s Products, November 15, 2012 (CPSC-CH-E1002-08.3)

Remark:

1. The accessibility of the submitted sample is verified according to 16 CFR 1500.87 (e) before and after abuse.

Note: ppm = part per million = mg/kg (milligram per kilogram)
“<” = less than

TEST RESULT:

Total Lead Content – Client’s Requirement according to the Consent Decrees of California Proposition 65

Test Item	Classification	Total Lead (Pb) (mg/kg)		Conclusion
		Result	Maximum Permissible Limit	
A1+A2	Surface coating	<10	90	PASS
#A3+#A4	Substrate	<10	100	PASS
A5	Substrate	<10	100	PASS

Method: Sample was digested with reference to EPA 3051. The lead content was analyzed by Atomic Absorption Spectrophotometer / Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Remark: The maximum permissible limit(s) was / were quoted from the client’s protocol constructed according to various Consent Decrees. Compliance with the above stated limit(s) does not show compliance with Proposition 65 or a guarantee against possible legal action but provides a relative level of assurance against potential lawsuits.

Note: mg/kg = milligram per kilogram
“<” = less than

Total Lead Content – Canada Consumer Product Safety Act – Consumer Products Containing Lead Regulations (SOR/2018-83)

Test Item	Total Lead (Pb) (mg/kg)		Conclusion
	Result	Limit	
A5	<10	90	PASS

Method: Sample was digested with nitric acid and analyzed by Atomic Absorption Spectrophotometer / Inductively Coupled Plasma Mass Spectrometer.

Note: mg/kg = milligram per kilogram
“<” = less than

TEST RESULT:

Phthalates Content- Client's Requirement

Test Item	Phthalates Content (%)		Conclusion
	Result	Client's requirement	
A1+A2	<0.005 (individual)	<0.1 (individual)	PASS
#A3+#A4	<0.005 (individual)	<0.1 (individual)	PASS

List of Phthalates:

Chemical Name	CAS No.	Chemical Name	CAS No.
Dibutyl phthalate (DBP)	84-74-2	Butyl benzyl phthalate (BBP)	85-68-7
Di-2-ethylhexyl phthalate (DEHP) / Diocetyl phthalate (DOP)	117-81-7	Di-iso-butyl phthalate (DIBP)	84-69-5
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1
Di-n-octyl phthalate (DNOP)	117-84-0	Di-n-hexyl phthalate (DNHP/ DHEXP)	84-75-3
Dicyclohexyl phthalate (DCHP)	84-61-7	Dipentyl phthalate (DPP / DPENP)	131-18-0

Method: The test is conducted according to the US CPSC Standard Operation Procedure for Determination of Phthalates, April 1, 2010 (CPSC-CH-C1001-09.3)

Note: % = percentage
 "<" = less than
 ">" = more than

TEST RESULT:

Extractable Lead and Cadmium (Lip and Rim) – Client Requirement

Test Item	Unit	Internal Volume (ml)	Leaching Volume (ml)	Concentration relative to Internal Volume (mg/L)	
				Lead	Cadmium
A6	(1)	380	160	<0.05	<0.01
	(2)	380	160	<0.05	<0.01
	(3)	380	160	<0.05	<0.01
	(4)	380	160	<0.05	<0.01
	(5)	380	160	<0.05	<0.01
	(6)	380	160	<0.05	<0.01
Limit (Any 1 of 6 units)				4.0	0.4
Conclusion				PASS	
Test Item	Unit	Internal Volume (ml)	Leaching Volume (ml)	Concentration relative to Internal Volume (mg/L)	
				Lead	Cadmium
A7	(1)	380	160	<0.05	<0.01
	(2)	380	160	<0.05	<0.01
	(3)	380	160	<0.05	<0.01
	(4)	380	160	<0.05	<0.01
	(5)	380	160	<0.05	<0.01
	(6)	380	160	<0.05	<0.01
Limit (Any 1 of 6 units)				4.0	0.4
Conclusion				PASS	

Method: ASTM C927-80 (2019e1). The lead and cadmium contents are determined by Inductively Coupled Argon Plasma Spectrometer / Atomic Absorption Spectrophotometer / Inductively Coupled Plasma Mass Spectrometer.

Note: mL = milliliter
mg/L = milligrams per liter
“<” = less than

TEST RESULT:**Bisphenol A Content – Client's Requirement**

Test Item	Bisphenol A [CAS No. 80-05-7] (mg/kg)		Conclusion
	Result	Client's Requirement	
#A3	ND	ND	PASS
#A4	ND	ND	PASS

ND = Not detected (Laboratory Reporting Limit = 1mg/kg)

Method: Sample was extracted with organic solvent and then analyzed by Liquid Chromatograph Mass Spectrometer.

Note: mg/kg = milligram per kilogram

TEST RESULT:

Material in Contact with Food Articles [Acrylonitrile Copolymer] – U.S. FDA 21 CFR 180.22

Extracting condition: Acetic Acid (120°F 2hrs.)

Parameter	Unit	Result	Limit
		#A3	
Acrylonitrile Monomer 3% Acetic Acid	mg/in ²	<0.003	≤0.003
Conclusion		PASS	-

Method: U.S. FDA 21 CFR 180.22

Note: mg/in² = milligrams per square
 “<” = less than
 “≤” = less than or equal to

TEST RESULT:

Material in Contact with Food Articles [Closures with Sealing Gaskets for Food Containers] – U.S. FDA 21 CFR 177.1210

Condition of use: C) Hot filled or pasteurized above 150°F
 Extracting condition: Water (Fill boiling, cool to 100°F), Heptane (120°F, 15min.),
 8 % Alcohol (Fill boiling, cool to 100°F)

Parameter	Unit	Result	Limit
		#A4	
Chloroform - Soluble Extractives			
Distilled Water	ppm	<10	≤50
n-Heptane	ppm	13	≤50
8 % Alcohol	ppm	<10	≤50
Conclusion		PASS	-

Method: U.S. FDA 21 CFR 177.1210

Remark: 1) Maximum extractives tolerances of different types of closure-sealing gasket composition:

Type of closure-sealing gasket composition	Maximum Extractives Tolerances (in ppm)		
	Chloroform fraction of water extractives	Chloroform fraction of heptane extractives	Chloroform fraction of alcohol extractives
1. Plasticized polymers, including unvulcanized or vulcanized or otherwise cured natural and synthetic rubber formed in place as overall discs or annular rings from a hot melt, solution, plastisol, organisol, mechanical dispersion, or latex	50	500	50
2. Performed overall discs or annular rings of plasticized polymers, including unvulcanized natural or synthetic rubber	50	250	50
3. Performed overall discs or annular rings of vulcanized plasticized polymers, including natural or synthetic rubber	50	50	50
4. Performed overall discs or annular rings of polymeric or resinous-coated paper, paperboard, plastic, or metal foil substrates	50	250	50
5. Closures with sealing gaskets or sealing compositions as described in 1 ,2 , 3and 4, and including paper, paperboard, and glassine used for dry foods only	Not applicable	Not applicable	Not applicable

Note: ppm = part per million
 “<” = less than
 “≤” = less than or equal to

TEST RESULT:**Total Chromium content as specified in NSF/ANSI 51-2012, section 4.2.1.2**

Test Item	Total Chromium (Cr) (%)		Conclusion
	Result	Limit	
A5	17.98	≥16	PASS

Method: Acid digestion, analysis by ICP-OES

TEST RESULT:

Test Property	Method	Applicable Components	Limits	Notes	Result
19 CFR 134.11 Country of Origin Markings	Not Applicable	Per Review	Not Applicable	Products Manufactured outside of USA.	PASS (All styles: PASS)

*****End of Test Report*****

NOTE:

If there is question or concern regarding the above results, please contact us via email coco.yu@cpt.eurofinscn.com

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