


**POLYCONCEPT
TEST REPORT**

LAB LOCATION: SHANG HAI **REPORT NUMBER:** 64123-110645
DATE IN: November 17, 2023 **DATE OUT:** December 12, 2023

Applicant:	Polyconcept GBS		
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Copy To:	--		

OVERALL RATING	
PASS	X
FAIL	--
PRELIM FAIL	--

Sample Information		
 64123-110645	Sample Description:	Vasco Copper Vacuum Insulated Bottle 40oz
	PO Number:	2042961
	Article Number:	1600-38BK
	Number of Sample Submitted:	10pcs sample + 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:	--

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



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

**POLYCONCEPT
TEST REPORT**

Test Result Summary	
Test Requested	Result
FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers	PASS
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
Total Bisphenol A Content	PASS
Material in Contact with Food Articles [Olefin Polymers - Polypropylene Copolymer] – U.S. FDA 21 CFR 177.1520	PASS
Material in Contact with Food Articles [Closures with Sealing Gaskets for Food Containers] – U.S. FDA 21 CFR 177.1210	PASS
19 CFR 134.11 Country of Origin Markings	PASS

COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	Vasco Copper Vacuum Insulated Bottle 40oz
A1	Black coating(on bottle)
A2	Black plastic(main lid)
A3	Black plastic(little lid)
A4	Black plastic(handle)
A5	Black silicone(gasket)
A6	Black silicone(washer)
A7	Silver metal(axle)
A8	Silver metal(inner)
A9	Silver metal(outer without coating)
A10	Silver metal(handle)
A11	Silver metal(screw)
A12	Silver metal(lid)
A13	Black silicone(small lid gasket)

TEST RESULT:

FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers

Test Item	Total Chromium (Cr) (%)		Conclusion
	Result	Limit	
A8	18.18	≥16	PASS

Method: Acid digestion, analysis by ICP-OES

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	Accessible as received	Paint or similar surface coating	24	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	Surface coating	24	90	PASS
A2+A3+A13	Substrate	<10	100	PASS
A4+A5+A6	Substrate	<10	100	PASS
A7+A8+A9	Substrate	<10	100	PASS
A10+A11+A12	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	
A1	24	90	PASS
A2+A3+A13	<10	90	PASS
A4+A5+A6	<10	90	PASS
A7+A8+A9	<10	90	PASS
A10+A11+A12	<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	<0.005 (individual)	<0.1 (individual)	PASS
A2+A3+A13	<0.005 (individual)	<0.1 (individual)	PASS
A4	<0.005 (individual)	<0.1 (individual)	PASS
A5	<0.005 (individual)	<0.1 (individual)	PASS
A6	<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:

Bisphenol A Content – Client’s Requirement

Test Item	Bisphenol A [CAS No. 80-05-7] (mg/kg)		Conclusion
	Result	Client’s Requirement	
A2	ND	ND	PASS
A3	ND	ND	PASS
A5	ND	ND	PASS
A13	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

Material in Contact with Food Articles [Olefin Polymers - Polypropylene Copolymer] – U.S. FDA 21 CFR 177.1520

Parameter	Unit	Result		Limit
		A2	A3	
Density	g/cm ³	0.908	0.901	0.85 - 1.00
n-Hexane Extractives	% w/w	1.7	1.2	≤5.5
Xylene Extractives	% w/w	8.3	8.2	≤30
Conclusion		PASS	PASS	-

Method: U.S. FDA 21 CFR 177.1520

Note: g/cm³ = gram per cubic centimetre
 % w/w = percent weight by weight
 “<” = 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
		A5	A13	
Chloroform - Soluble Extractives				
Distilled Water	ppm	<10	<10	≤50
n-Heptane	ppm	<10	<10	≤50
8 % Alcohol	ppm	<10	<10	≤50
Conclusion		PASS	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 , 3 and 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:

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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