POLYCONCEPT TEST REPORT

LAB LOCATION:	**SHANG HAI**	**REPORT NUMBER:**	**EFW524110576-CG-01**
DATE IN:	**November 05, 2024**	**DATE OUT:**	**November 12, 2024**

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Copy To:	--		

OVERALL RATING

PASS	**X**
FAIL	**--**
PRELIM FAIL	**--**

Sample Information

EFW524110576-CG-01

Sample Description:	Marka Copper Vac Bottle w/ Metal Loop 20oz
PO Number:	2080799
Article Number:	1628-90BK
Number of Sample Submitted:	6 pcs samples + 4 pcs lid + 10 pcs silicone gaskets
Factory Number:	10942
Vendor Number:	10531
Customer:	Leeds
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

Test Result Summary	
Test Requested	**Result**
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
16 CFR 1303 - Total Lead Content in Paints & Surface Coatings	PASS
Phthalate Content (10P)	PASS
FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers	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
Leachable Lead & Cadmium from Glassware and Ceramics – Lip & Rim	PASS
19 CFR 134.11 Country of Origin Markings	PASS

COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	Marka Copper Vac Bottle w/ Metal Loop 20oz
A1	Black coating (on outer)
A2	Black plastic (lid)
A3	Transparent silicone (gasket)
A4	Silver metal (inner)
A5	Silver metal (outer without coating)
A6	Silver metal (handle)

TEST RESULT:

California Proposition 65 Total Lead Content in Surface Coatings and Substrates

Test Item	Classification	Total Lead (Pb) (mg/kg)		Conclusion
		Result	Maximum Permissible Limit	
A1	Surface coating	<10	90	PASS
A2+A3	Substrate	<10	100	PASS
A4+A5+A6	Substrate	<10	100	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)

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

Canadian Consumer Products Containing Lead Regulation (SOR/2018-83) - Total Lead in Substrate

Test Item	Total Lead (Pb) (mg/kg)		Conclusion
	Result	Limit	
A4+A5+A6	<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:

16 CFR 1303 - Total Lead Content in Paints & Surface Coatings

Test Item	Accessibility (Remark 1)	Classification	Total Lead (Pb) (ppm)		Conclusion
			Result	Limit	
A1	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)

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

TEST RESULT:

Phthalate Content (10P)

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

FDA GRAS Specifications, Total Chromium in Stainless Steel Food Containers

Test Item	Total Chromium (Cr) (%)		Conclusion
	Result	Limit	
A4	18.02	≥16	PASS

Method: Acid digestion, analysis by ICP-OES

Total Bisphenol A Content

Test Item	Bisphenol A [CAS No. 80-05-7] (mg/kg)		Conclusion
	Result	Client's Requirement	
A1	ND	ND	PASS
A2	ND	ND	PASS
A3	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 [Olefin Polymers - Polypropylene Copolymer] – U.S. FDA 21 CFR 177.1520

Extracting condition: n-Hexane Extractives (50℃, 2hr.), Xylene Extractives (reflux temperature, 2hr.)

Parameter	Unit	Result	Limit
		A2	
Density	g/cm^3	0.951	0.85 - 1.00
n-Hexane Extractives	% w/w	1.1	≤5.5
Xylene Extractives	% w/w	11.6	≤30
Conclusion		PASS	-

Method: U.S. FDA 21 CFR 177.1520

Note: g/cm^3 = 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
		A3	
Chloroform - Soluble Extractives			
Distilled Water	ppm	<10	≤50
n-Heptane	ppm	<10	≤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:

Leachable Lead & Cadmium from Glassware and Ceramics – Lip & Rim

Test Item	Unit	Internal Volume (ml)	Leaching Volume (ml)	Concentration relative to Internal Volume (mg/L)	
				Lead	Cadmium
A	(1)	80	80	<0.1	<0.01
	(2)	80	80	<0.1	<0.01
	(3)	80	80	<0.1	<0.01
	(4)	80	80	<0.1	<0.01
	(5)	80	80	<0.1	<0.01
	(6)	80	80	<0.1	<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:

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

TEST PHOTOS

**********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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