

Test Report

Report No.: CTT2003031709EN

Date: Mar. 21, 2020

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Applicant: HEADWIND CERAMIC LTD

Address: UNIT 8B, DRAGON INDUSTRIAL BLDG, 93 KING LAM ST, CHEUNG SHA WAN, KOWLOON

Sample Received Date: Mar. 16, 2020

Completed Date: Mar. 21, 2020

The following merchandise was (were) submitted and identified on behalf of the applicant as:

Sample Name: 16oz Peristyle Bottle-Black, 16oz Peristyle Bottle-Copper, 16oz Peristyle Bottle-Gray, 16oz Peristyle Bottle-Pastel Green, 16oz Peristyle Bottle-Red, 16oz Peristyle Bottle-Royal, 16oz Peristyle Bottle-SS, 16oz Peristyle Bottle-Teal, 16oz Peristyle Bottle-White

Model No.: CDKW005-BK, CDKW005-COP, CDKW005-GY, CDKW005-PAGR, CDKW005-RD, CDKW005-RY, CDKW005-SS, CDKW005-TL, CDKW005-WH

Sample Color: Black, Copper, Gray, Pastel Green, Red, Royal, SS, Teal, White

Supplier: Headwind Ceramic Ltd

Exported to: USA

Country of Origin: China

Test Result(s): Please refer to next page(s).

Signed for and on Behalf of CTT



Frank / Lab manager

Consumer Testing Technology Co., Ltd.

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Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in accessible substrate materials	PASS (Please refer to "N" note of the next page)
2	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in paint or surface coating	PASS (Please refer to "N" note of the next page)
3	Tested materials of submitted samples	Canada Consumer Products Containing Lead Regulations, SOR/2018-83 - Lead	PASS (Please refer to "N" note of the next page)
4	Tested materials of submitted samples	Surface Coating Materials Regulations (SOR/2016-193)	PASS (Please refer to "N" note of the next page)
5	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates	PASS
6	Tested materials of submitted samples	Client's requirements reference to California Proposition 65 on Phthalates	PASS
7	Tested materials of submitted samples	Client's requirements on Bisphenol A (BPA)	PASS
8	Tested materials of submitted samples	Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 - Hg requirements for surface coatings material	PASS
9	Tested materials of submitted samples	General Recognized As Safe (GRAS) specification for US FDA regulation on Stainless steel. - Total Chromium (Cr)	PASS
10	Tested materials of submitted samples	US FDA 21 CFR 177.1520: Olefin polymers(PP copolymer). - Density - Extractable fraction in n-Hexane - Extractable fraction in Xylene	PASS

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11	Tested materials of submitted samples	US FDA 21 CFR 177.1210: Closures with sealing gaskets for food containers. - Chloroform-soluble extractives in Distilled water - Chloroform-soluble extractives in 8% Alcohol - Chloroform-soluble extractives in n-Heptane	PASS
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Test Result(s):

The Lead content of accessible substrate materials – CPSIA

Method:

Metal – CPSC-CH-E1001-08.3

Nonmetal – CPSC-CH-E1002-08.3

Analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	100	N.D.	PASS
2	100	N.D.	PASS
5	100	24	PASS
7 ^N	100	26	PASS
8 ^N	100	26	PASS

The Lead content of paint or surface coating - CPSIA

Method: CPSC-CH-E1003-09.1, analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
4	90	N.D.	PASS
6 ^N	90	11	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (<RL).
 3. RL (Reporting Limit) = 10 mg/kg.
 4. “N” = The test result is obtained from composite testing on materials linked with “N” mark, it is possible that individual test result can be higher if the materials are tested separately. This had not been taken in account in the conclusion of this report.

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Test Result(s):

Lead - SOR/2018-83

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	90	N.D.	PASS
2	90	N.D.	PASS
5	90	24	PASS
7 ^N	90	26	PASS
8 ^N	90	26	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 10 mg/kg.
 4. “N” = The test result is obtained from composite testing on materials linked with “N” mark, it is possible that individual test result can be higher if the materials are tested separately. This had not been taken in account in the conclusion of this report.
 5. The result(s) is(are) tested according to the method Metal – CPSC-CH-E1001-08.3, Nonmetal – CPSC-CH-E1002-08.3, Surface coating – CPSC-CH-E1003-09.1.

Total Lead(Pb) in Paint and Surface Coatings - SOR/2016-193

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
4	90	N.D.	PASS
6 ^N	90	11	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 10 mg/kg.
 4. “N” = The test result is obtained from composite testing on materials linked with “N” mark, it is possible that individual test result can be higher if the materials are tested separately. This had not been taken in account in the conclusion of this report.
 5. The result(s) is(are) tested according to the method Metal – CPSC-CH-E1001-08.3, Nonmetal – CPSC-CH-E1002-08.3, Surface coating – CPSC-CH-E1003-09.1.

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Test Result(s):

Phthalates – CPSIA (16 CFR 1307)

Method: CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Test Substances	CAS No.	Limit (mg/kg)	RL (mg/kg)	Result (mg/kg)		
				1	2	4
DBP	84-74-2	1000	50	N.D.	N.D.	N.D.
BBP	85-68-7	1000	50	N.D.	N.D.	N.D.
DEHP	117-81-7	1000	50	N.D.	N.D.	N.D.
DINP	28553-12-0/ 68515-48-0	1000	100	N.D.	N.D.	N.D.
DIBP	84-69-5	1000	50	N.D.	N.D.	113
DCHP	84-61-7	1000	50	N.D.	N.D.	N.D.
DPENP	131-18-0	1000	50	N.D.	N.D.	N.D.
DHEXP	84-75-3	1000	50	N.D.	N.D.	N.D.
Conclusion				PASS	PASS	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.
 4. Children's toys and child care articles shall not more than 1000mg/kg DBP, BBP, DEHP, DINP, DIBP, DCHP,DPENP and DHEXP
 - Children's toys defined as 12 years and under.
 - Child care articles to facilitate sleep or feeding of children 3 years and under, or to help children with sucking and teething.
 5. Polypropylene (PP), polyethylene (PE), acrylonitrile butadiene styrene (ABS), general purpose polystyrene (GPPS), medium-impact polystyrene (MIPS), high-impact polystyrene (HIPS), and super high-impact polystyrene (SHIPS), and their additives as listed in 16 CFR 1308 are exempt from testing. If material identification is not provided, phthalate testing will be conducted on all plastic materials.

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Test Result(s):

Phthalates

Method: CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	DBP	BBP	DEHP	DIDP	DINP	DNHP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	26761-40-0	28553-12-0	84-75-3	
Client's limit (mg/kg)	1000	1000	1000	1000	1000	1000	
RL (mg/kg)	50	50	50	100	100	50	
Material No.	Result (mg/kg)						
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.

Bisphenol A (BPA) ^s

Method: With reference to EPA 3550C:2007, analyzed by High Performance Liquid Chromatograph (HPLC-DAD)/ Ultra-high performance liquid chromatography - tandem mass spectrometry (UPLC-MS).

Material No.	Client's Limit (mg/kg)	Result (mg/kg)	Conclusion
1	N.D.	N.D.	PASS
2	N.D.	N.D.	PASS
4	N.D.	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL(Reporting Limit) =0.1mg/kg.

Hg - SOR/2011-17

Method: With reference to Canada Health Product Safety Laboratory Book 5 - Laboratory Policies and Procedures Part B: Test Method Section, Method C-02.2:2017 & C03:2018 & C07:2018, analyzed by and Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-OES).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
4	10	N.D.	PASS

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- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (<RL).
 3. RL (Reporting Limit) = 10 mg/kg.

General Recognized As Safe (GRAS) specification for US FDA regulation on Stainless steel
 - Total Chromium (Cr)

Method: Metal –With reference to CPSC-CH-E1001-08.3

Nonmetal –With reference to CPSC-CH-E1002-08.3

Surface coating –With reference to CPSC-CH-E1003-09.1, analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	Description	Location
3	Silvery metal	Liner

Material No.	Limit (%)	Result (%)	Conclusion
3	> 10.5	11.5	PASS

- Note:**
1. % = Percent by weight.
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 0.0050%.

US FDA 21 CFR 177.1520 - Olefin polymers(PP copolymer)

Method:

Density - ASTM D1505-18

Maximum extractable fraction in n-Hexane - US FDA 21 CFR 177.1520

Maximum extractable fraction in Xylene - US FDA 21 CFR 177.1520

Material No.	Description	Location
1	Black plastic	Lid inner layer

Material No.	Test Item	Limit	Result	Conclusion
1	Density	0.850-1.00g/cm ³	0.940g/cm ³	PASS
	Maximum extractable fraction in n-Hexane, 50°C, 2 hours	5.5%	0.7%	PASS
	Maximum extractable fraction in Xylene, Refluxing, 2 hours, 25°C standing for 1 hour at least	30%	4.5%	PASS

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- Note:**
1. g/cm^3 = grams per cubic centimeter.
 2. % = Percent by weight.
 3. Olefin copolymers use in articles that contact food except for articles used for packing or holding food during cooking, maximum extractable fraction in N-hexane is 5.5%.
 4. Olefin copolymers use in articles used for packing or holding food during cooking, maximum extractable fraction in N-hexane is 2.6%.

US FDA 21 CFR 177.1210 - Chloroform-soluble extractives

Method: With reference to US FDA 21 CFR 177.1210

Material No.	Description	Location
2	Transparent silicone	Silicone loop

Material No.	Test Condition	Limit (ppm)	Result (ppm)	Conclusion
2	Distilled water at 150°F for 2 hours	50	<5	PASS
	8% Alcohol at 150°F for 2hours	50	<5	PASS
	n-Heptane at 100°F for 0.5 hours	50	8.6	PASS

- Note:**
1. ppm = parts per million.
 2. °F = Degrees Fahrenheit.

Test Material List

Material No.	Description	Location
1	Black plastic	Lid inner layer
2	Transparent silicone	Silicone loop
3	Silvery metal	Liner
4	Black paint	Cup outer layer body (all black)
5	Silvery metal	Lid
6	White paint +green paint +rose golden paint	Coating of cup +coating of cup +coating of cup
7	Silvery metal +silvery metal +silvery metal	Substrate of cup bottom (blue) +substrate of cup bottom (red) + substrate of cup bottom (cyan)
8	Silvery metal +silvery metal	Cup bottom + substrate of cup bottom (black)

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Remark:

CTT Co., Ltd. is the US Consumer Product Safety Commission (CPSC) Accredited Third Party Testing Laboratory, identification number is 1362, and shall refer to <http://www.cpsc.gov/cgi-bin/labsearch/>.

Photo of Sample:



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Photo of Sample:



End of Report

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