

TEST REPORT

Company: BIC Graphic
 Address: 14421 Myerlake Circle
 Clearwater
 Florida
 33760
 United States (USA)

Test Report # 15H-04422
 Date of Issue: November 04, 2015
 Pages: Page 1 of 12
 Date Received: September 17, 2015

SAMPLE INFORMATION:

Description: O2COOL® ArcticSqueeze™ Insulated - 18 oz.
 Assortment: - Purchase Order Number: 5523
 Item No.: 46080 Country of Origin: United States
 Country of Distribution: United States, Canada Labeled Age Grade: -
 Sample Submitted: 3 pcs + 1 lot Parts Recommended Age Grade: -
 Testing Period: 10/29/2015 – 11/04/2015 Tested Age Grade: -

OVERALL RESULT:

PASS

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

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Metal / Plastic / Textile
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	Client's Requirement: Bisphenol A [#]
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers [#]
PASS	FDA 21 CFR 177.1520, Polyethylene
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 177.2600, Rubber Articles Intended for Repeated Use
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers

ANSECO GROUP (HK) LIMITED



Vincent Chow Wai Kit
 Manager, Chemical Laboratory

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DETAILED RESULTS:

California Proposition 65, Total Lead in Metal / Plastic / Textile

Analysis performed by Inductively Coupled Plasma-Optical Emission Spectrometry to determine compliance with the above referenced specification.

[Referenced Test Method: CPSC-CH-E1001-08.2 (Metal) and/or CPSC-CH-E1002-08.2 (Non-Metal)]

Specimen No.	1	2	3	4	5	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	6	7	8	9	10	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	11	---	---	---	---	Limit Total (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Pb	ND	---	---	---	---	100
Conclusion	PASS	---	---	---	---	

Note:

Pb = Lead
 ppm (Parts per million) = mg/kg (Milligrams per kilogram)
 LT = Less than
 ND = Not detected (Reporting Limit = 10ppm)
 Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

Specimen No. 10 (Semi-transparent silicone gasket) is same material as specimen No. 8.

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Gray soft plastic	Gray soft plastic spout
2	Transparent plastic (ABS)	Clear ABS plastic lid
3	Translucent plastic	Clear plastic bottle (exterior)
4	Gray plastic	Light gray plastic trigger
5	White plastic	White plastic mister part
6	Clear plastic (PE)	Clear thin flexible tube for mist system
7	Dull translucent plastic (PP-co)	Clear hard plastic part of the mist system
8	Translucent soft plastic (Silicone)	Small semi-transparent silicone valve in lid
9	Dull white plastic (LDPE)	White LDPE plastic inner liner
10	Translucent soft plastic (Silicone)	Semi-transparent silicone gasket
11	Dull gray plastic	Gray plastic finger strap

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DETAILED RESULTS:

California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

Analysis performed by Gas Chromatography/Mass Spectrometry to determine compliance with the above referenced specification. [Referenced Test Method: CPSC-CH-C1001-09.3]

Specimen No.	1	8	---	---	---	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
DBP	ND	ND	---	---	---	1000
BBP	ND	ND	---	---	---	1000
DEHP	ND	ND	---	---	---	1000
DINP	ND	ND	---	---	---	1000
DIDP	ND	ND	---	---	---	1000
DnHP	ND	ND	---	---	---	1000
Conclusion	PASS	PASS	---	---	---	

Note:

DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate
 DINP = Diisononyl phthalate, DIDP = Diisodecyl phthalate; DnHP = Di-n-hexyl phthalate
 ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % w/w (Percent by weight)
 LT = Less than

ND = Not detected (Reporting Limit = 100ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Gray soft plastic	Gray soft plastic spout
8	Translucent soft plastic (Silicone)	Small semi-transparent silicone valve in lid

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DETAILED RESULTS:

Client's Requirement: Bisphenol A

Analysis performed by High Performance Liquid Chromatography with Fluorescence Detector to determine compliance with the above specification. [Referenced Test Method: AI|ANSECO Method#]

Specimen No.	1	2	6	8	9	Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A	ND	ND	ND	ND	ND	ND
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:

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

LT = Less than

ND = Not Detected (Reporting limit = 1 ppm)

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Gray soft plastic	Gray soft plastic spout
2	Transparent plastic (ABS)	Clear ABS plastic lid
6	Clear plastic (PE)	Clear thin flexible tube for mist system
8	Translucent soft plastic (Silicone)	Small semi-transparent silicone valve in lid
9	Dull white plastic (LDPE)	White LDPE plastic inner liner

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DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets for Food Containers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1210#]

Specimen No.			8	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Distilled water extractive (ppm)	120°F	24 hours	ND	10	50
Conclusion			PASS		

Specimen No.			10	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Distilled water extractive (ppm)	120°F	24 hours	ND	10	50
Conclusion			PASS		

Note:

°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 2.

Specimen No. 10 (Semi-transparent silicone gasket) is same material as specimen No. 8.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
8	Translucent soft plastic (Silicone)	Small semi-transparent silicone valve in lid
10	Translucent soft plastic (Silicone)	Semi-transparent silicone gasket

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polyethylene

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			6	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	ND	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	2.6	1.0	11.3
Conclusion			PASS		

Specimen No.			9	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
n-Hexane extractive (% w/w)	50°C	2 hours	0.8	0.4	5.5
Xylene extractive (% w/w)	Reflux	2 hours	1.3	1.0	11.3
Conclusion			PASS		

Note:

°C = Degree Celcius
 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) 2.1.

By client's request, density is not conducted in FDA 21 CFR 177.1520 PE.

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
6	Clear plastic (PE)	Clear thin flexible tube for mist system
9	Dull white plastic (LDPE)	White LDPE plastic inner liner

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.1520]

Specimen No.			7	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
n-Hexane extractive (% w/w)	50 °C	2 hours	ND	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	2.3	1	30
Conclusion			PASS		

Note:

°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.
 By client's request, density is not conducted in FDA 21 CFR 177.1520 PP(co).

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
7	Dull translucent plastic (PP-co)	Clear hard plastic part of the mist system

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DETAILED RESULTS:

FDA 21 CFR 177.2600, Rubber Articles Intended for Repeated Use

Analysis performed by food simulating solvents extractions to determine compliance with above referenced regulation. [Referenced Test Method: FDA 21 CFR 177.2600]

Specimen No.			1	RL	Specification
Test Item	Test Condition		Result		
	Temperature	Duration			
Distilled water extractive (mg/in ²)	Reflux	First 7 hours	ND	2	20
Distilled water extractive (mg/in ²)	Reflux	Succeeding 2 hours	ND	0.1	1
Conclusion			PASS		

Note:

mg/in² = Milligram 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 177.2600 (e) and 177.2600 (f).

From Client's information, rubber article is intended for repeated use in contact with aqueous food only, therefore n-hexane extractive is not conducted.

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Gray soft plastic	Gray soft plastic spout

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DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers

Analysis performed by food simulating solvents extractions and Headspace-Gas Chromatography/Mass Spectrometry to determine compliance with above referenced regulations.
 [Referenced Test Method: FDA 21 CFR 180.22 and 181.32]

Acrylonitrile Monomers:

Specimen No.			2	RL	Specification
Test Simulant	Test Condition		Result		
	Temperature	Duration			
Distilled water extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
3% Acetic acid extractive (mg/in ²)	120°F	2 hours	ND	0.001	0.003
Conclusion			PASS		

Note:

°F = Degree Fahrenheit
 mg/in² = 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).

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
2	Transparent plastic (ABS)	Clear ABS plastic lid

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SAMPLE PHOTO:



-End Report-

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