



FLASHBAY ELECTRONICS

Technical Report: (8819)338-0057

Feb 24, 2020

Date Received: Dec 4, 2019

Page 1 of 6

FLASHBAY ELECTRONICS
1-4/F OF BLDG NO.3, BLDG NO.2, 101-501F OF BLDG
NO.1, XIFENGCHENG INDUSTRIAL PARK, NO.2,
FUYUAN ROAD, HEPING COMMUNITY, FUHAI
STREET, BAOAN DISTRICT, SHENZHEN CITY,
GUANGDONG PROVINCE, P.R. CHINA

Sample Description:	WAVE, PACIFIC, REFRESH, FIT, SHAKER.		
Vendor:	N/A	Sample Size:	43
Manufacturer:	N/A	Style No(s):	NOT PROVIDE
Labeled Age Grade:	NOT RECORD	SKN/SKU No.:	NOT PROVIDE
Appropriate Age Grade:	NOT REQUESTED	PO No.:	NOT PROVIDE
Client Specified Age Grade:	NOT SPECIFIED	Ref #:	NOT PROVIDE
Tested Age Grade:	N/A	Country of Origin:	NOT PROVIDE
UPC Code:	N/A	Assortment No.:	NOT PROVIDE
Test Starting Date:	DEC 4, 2019	Test Finished Date:	DEC 17, 2019

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- Olefin Polymers - Polypropylene Homopolymer – U.S. FDA 21 CFR 177.1520.
- Rubber Article Intended for Repeated Use – U.S. FDA 21 CFR 177.2600.
- Closures with Sealing Gaskets for Food Containers – U.S. FDA 21 CFR 177.1210.

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

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REMARK

If there are questions or concerns on this report, please contact the following persons:

Report Enquiry: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@cn.bureauveritas.com

Business Contact: (86) 0769 85893595

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Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)	Client Claimed Material
I002	Transparent plastic	Straw	-	PP-HO
I003	Red plastic	Lid	-	PP-HO
I004	Transparent plastic	Bottle	-	PP-HO
I005	Blue silicone	Suction nozzle plug	-	Silicone
I006	White silicone	Suction nozzle plug	-	Silicone
I007	Transparent silicone	Gasket	-	Silicone



RESULTS:

Olefin Polymers - Polypropylene Homopolymer – U.S. FDA 21 CFR 177.1520

Test Method : U.S. FDA 21 CFR 177.1520

Parameter	Unit	Result			Limit
		I002	I003	I004	
Density	g/cm ³	0.892	0.900	0.903	0.880-0.913
Melting Point	°C	163	171	169	160-180
Total Extractives (n-Hexane)	% w/w	0.5	5.1	5.9	≤ 6.4
Total Extractives (Xylene)	% w/w	<0.2	4.2	8.4	≤ 9.8
Conclusion	-	PASS	PASS	PASS	-

Note / key:

- g/cm³ = gram per cubic centimetre
- % w/w = percent weight by weight
- "<" = less than
- "≤" = less than or equal to



RESULTS:

Rubber Article Intended for Repeated Use – U.S. FDA 21 CFR 177.2600

Test Method : U.S. FDA 21 CFR 177.2600

I. Rubber articles intended for repeated use, in contact with aqueous food

Parameter	Unit	Result		Limit
		I005	I006	
Total Extractives in Distilled Water				
(i) During the first 7 hours of extraction	mg/in ²	0.38	0.1	≤ 20
(ii) During the succeeding 2 hours of extraction	mg/in ²	0.1	0.17	≤ 1
Conclusion	-	PASS	PASS	-

II. Rubber articles intended for repeated use, in contact with fatty foods

Parameter	Unit	Result		Limit
		I005	I006	
Total Extractives in n-Hexane				
(i) During the first 7 hours of extraction	mg/in ²	17.61	8.08	≤ 175
(ii) During the succeeding 2 hours of extraction	mg/in ²	0.98	0.7	≤ 4
Conclusion	-	PASS	PASS	-

Note / key:

"<" = less than

"≤" = less than or equal to

mg/in² = milligram per square inch



RESULTS:

Closures with Sealing Gaskets for Food Containers – U.S. FDA 21 CFR 177.1210

Test Method : U.S. FDA 21 CFR 177.1210

Condition of use: C) Hot filled or pasteurized above 150°F
 Extracting condition: Distilled Water (Fill boiling, cool to 100 °F)

Parameter	Unit	Result	Limit
		I007	
Net Chloroform- Soluble Extractives (i) Distilled Water	ppm	<10	≤ 50
Conclusion	-	PASS	-

Note / key:

- ppm = parts per million
- "<" = less than
- "≤" = less than or equal to

Remark:

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

RESULTS:



END OF REPORT