

Test Report

Report No. : RGST190513011

Date: Jun 05, 2019

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Applicant : ZHEJIANG XXL INDUSTRY AND TRADE CO.,LTD
Address : HUZHAILONG INDUSTRY AREA, JIAODAO TOWN, WUYI CITY, JINHUA CITY, ZHEJIANG PROVINCE, CHINA.

Report on the submitted sample(s) said to be:

Sample(s) Name : WATER GALLON/SS SHAKER/SS VACUUM BOTTLE
Model : XL-713,XL-331,XL-8351,XL-8619,XL-8200,XL-8701,XL-8800,XL-8751,XL-8760,XL-2600,XL-2650,XL-2550,XL-2540,XL-2400,XL-2420,XL-6050,XL-6030,XL-6081,XL-6090,XL-6061,XL-6100,XL-510D,XL-511T,XL-512,XL-513C,XL-511A,XL-511B,XL-571,XL-585,XL-0023,XL-561,XL-541,XL-565,XL-551,XL-521,XL-526,XL-531,XL-533,XL-8207,XL-8548,XL-8020,XL-8022,XL-8401,XL-8500,XL-823,XL-852,XL-833,XL-881,XL-861,XL-1500,XL-2000A,XL-1500B,XL-2000C,XL-370,XL-380,XL-715,XL-700,XL-755,XL-765,XL-745,XL-630,XL-680,XL-0018,XL-0027

Sample(s) received date : May 13, 2019

Testing period : From May 13, 2019 to May 17, 2019

Test Request

Conclusion

- | | |
|---|------|
| (1) As specified by client, to determine the Chloroform Soluble in distilled water, 8% ethanol , 50% ethanol and N-heptane in the submitted sample(s) in accordance with the U.S. FDA 21 CFR 177.2420 - Polyester resins, cross-linked. | Pass |
| (2) As specified by client, to determine the Density, the Amount of Maximum Extractable Fraction in N-hexane and xylene in the submitted sample(s) in accordance with the U.S. FDA 21 CFR177.1520-Olefin polymers. | Pass |
| (3) As specified by client, to determine the Total Extractives in distilled water and N-hexane in the submitted sample(s) in accordance with the U.S. FDA 21CFR 177.2600- Rubber articles intended for repeated use. | Pass |



Ben
Ben Miao
Technical Manager

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Shenzhen General Standard Testing Services Co.,Ltd

2/F&3/F-5/F East Wing, Building C10, Zhu'ao 2nd industrial zone, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
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Test Request

- (4) As specified by client, to determine the Total Chromium Content in the submitted sample(s) with reference to Generally Recognized as Safe (GRAS) on stainless steel.

Conclusion

Pass

Photograph(s) of Sample

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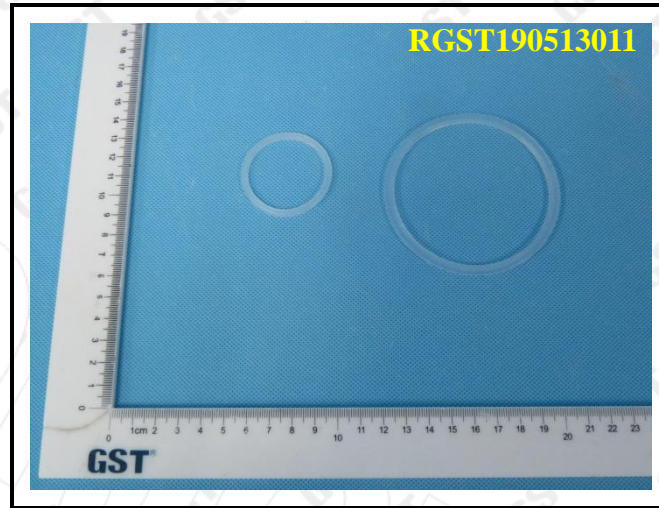
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GST authenticate the photo on original report only

Specimen Description:

No.	Test part(s) name
1	Dark green plastic bottle (Material: PETG)
2	Black plastic lid (Material: PP Copolymer)
3	Translucent white plastic gasket (Material: Silicone)
4	Silvery metal inner(Material: Stainless steel)

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Results:

(1) Chloroform soluble extractives - U.S. FDA 21 CFR 177.2420 - Polyester resins, cross-linked

Test Method: With reference to U.S.FDA 21 CFR 177.2420

Test item(s)	Unit	MDL	Time	Temperature	Maximum Permissible Limit	Result(s)
						1
Chloroform soluble extractive in distilled water	mg/inch ²	0.05	2H	150°F	0.1	N.D.
Chloroform soluble extractives in 8% ethanol	mg/inch ²	0.05	2H	150°F	0.1	N.D.
Chloroform soluble extractives in 50% ethanol	mg/inch ²	0.05	2H	150°F	0.1	N.D.
Chloroform soluble extractives in N-heptane	mg/inch ²	0.05	30min	100°F	0.1	N.D.

(2) U.S. FDA 21CFR 177.1520 –For the Olefin polymers requirements

Test Method: With reference to U.S.FDA 21 CFR 177.1520

Test item(s)	Unit	MDL	Time	Temperature	Maximum Permissible Limit	Result(s)
						2
Density at 23°C	g/cm ³	—	—	—	0.85-1.00	0.928
Maximum extractable fraction in N-hexane	%(w/w)	0.5	2H	50°C	5.5	N.D.
Maximum soluble fraction in xylene	%(w/w)	0.5	2H	reflux temperature	30	1.30

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(3) U.S. FDA 21CFR 177.2600 –For the Rubber articles intended for repeated use requirements

Test Method: With reference to FDA 21 CFR 177.2600

Test item(s)	Unit	MDL	Time	Temperature	Maximum Permissible Limit	Result(s)
						3
First 7 hours extraction in distilled water	mg/inch ²	0.5	7H	reflux temperature	20	N.D.
Succeeding 2 hours extraction in distilled water	mg/inch ²	0.5	2H	reflux temperature	1	N.D.
First 7 hours extraction in N-hexane	mg/inch ²	0.5	7H	reflux temperature	175	7.31
Succeeding 2 hours extraction in N-hexane	mg/inch ²	0.5	2H	reflux temperature	4	N.D.

(4) Total Chromium Content

Test Method: With reference to EPA 6010D:2014

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)
				4
Chromium(Cr)	%	0.001	≥10.5	18.3

Conclusion: Through the test, the sample 4 was suitable to be used in contact with foodstuffs.

Note:

- mg/inch²= milligram per square inch
- g/cm³= Gram per cubic centimeter
- ppm= part per million
- % (w/w)= Percentage of weight by weight
- N.D. =Not Detected (<MDL)
- MDL=Method Detection Limit
- As specified by client, only above test part(s) was/were analyzed.

*** End of Report ***

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