

Test Report

Applicant : Lexington Limited

Address : Unit 08, 17th Floor, CitiCorp Centre, No. 18 Whitfield Road, Hong Kong

Manufacturer : Silicone Dragon Industrial Ltd.

Address : No#1 Zhong Jiao Road, Chengxi, Jiang Cheng, Yang Jiang, Guang Dong Sheng, China

Sample name : Silicone Collapsible Ice Flexi Bottle

Model No. : SSCOLBTL-ExP

Serial No. : N/A

Trademark : N/A

Testing Period : 2024-06-20 to 2024-06-26

Date of issue : 2024-06-26

Test Method : Next page

Results : Please refer to next page(s).

Test Items : PASS

TEST REQUEST

In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, BfR recommendation

York xin

Test/Witness Engineer



Jack su
Approved & Authorized

TEST REQUEST	Conclusion
1) With reference to 61st Communication on testing of plastics in Bundesgesundheitsbl 46(2003) 362.	PASS
2) With reference to European pharmacopoeia, 2005 Appendix X F. Peroxide Value method A	PASS
3) Robinson's test with reference to DIN 10955:1983(2004).Odour test condition:23°C 24 hours;Taste test condition:100°C 4 hours;Test media: Distilled water; No.of panelist:5	PASS
4) With reference to 60. Mitteilung uber die Untersuchung von Kunststoffen, Bundesgesundheitsbl 45 (2002) 462 and LFGB 64 BVL B 80.30.1 (EG). Test condition:130°C, 4 hours	PASS
5) Solvent extraction followed by analysis using GC-MS.	PASS

Results:

Test Part Description:

Sample name	Material Description
Silicone Collapsible Ice Flexi Bottle	01 Silicone bottle body (Test items include 1、 2、 3、 4、 5)

1) Extractable component

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of Extractives
				01
Distilled water	5.0hr	Reflux temperature	0.5%(w/w)	<0.1% (w/w)
3% Acetic Acid	5.0hr	Reflux temperature	0.5%(w/w)	<0.1% (w/w)
10% Ethanol	5.0hr	Reflux temperature	0.5%(w/w)	<0.1% (w/w)

Note:

(1) % w/w=percentage of weight by weight

2) Peroxide value:

Test Item	Limit	Result
		01
Peroxide Value	Absent	Absent

3) Sensorial examination odour and taste test

Test Item	Limit	Result
		01
Sensorial examination odour (Point scale)	2.5	0
Sensorial examination taste (Point scale)	2.5	0

Note:

Scale evaluation:

0: No perceptible odour

1: odour just perceptible (still difficult to define)

2: Moderate odour

3: Moderately strong odour

4: Strong odour

4) Volatile organic matter

Test Item	Limit	Unit	MDL	Result
				01
Volatile organic matter (VOM)	0.5	%(w/w)	0.1	0.1

Note:

% w/w = percentage of weight by weight

5) Organotin content (Monobutyltin, Dibutyltin, Tributyltin, Tetrabutyltin, Triphenyltin, Mono-octyltin, Di-octyltin)

Test Item	Limit	Unit	MDL	Result
				01
Monobutyl tin (MBT)	Absent	%(w/w)	0.02	ND
Dibutyl tin (DBT)	Absent	Mg/kg	0.02	ND
Tributyl tin (TBT)	Absent	Mg/kg	0.02	ND
Mono-octyl tin (MOT)	Absent	Mg/kg	0.02	ND
Tetrabutyl tin (TTBT)	Absent	Mg/kg	0.02	ND
Di-octyl tin (DOT)	Absent	Mg/kg	0.02	ND
Triphenyl tin (TPT)	Absent	Mg/kg	0.02	ND

Note:

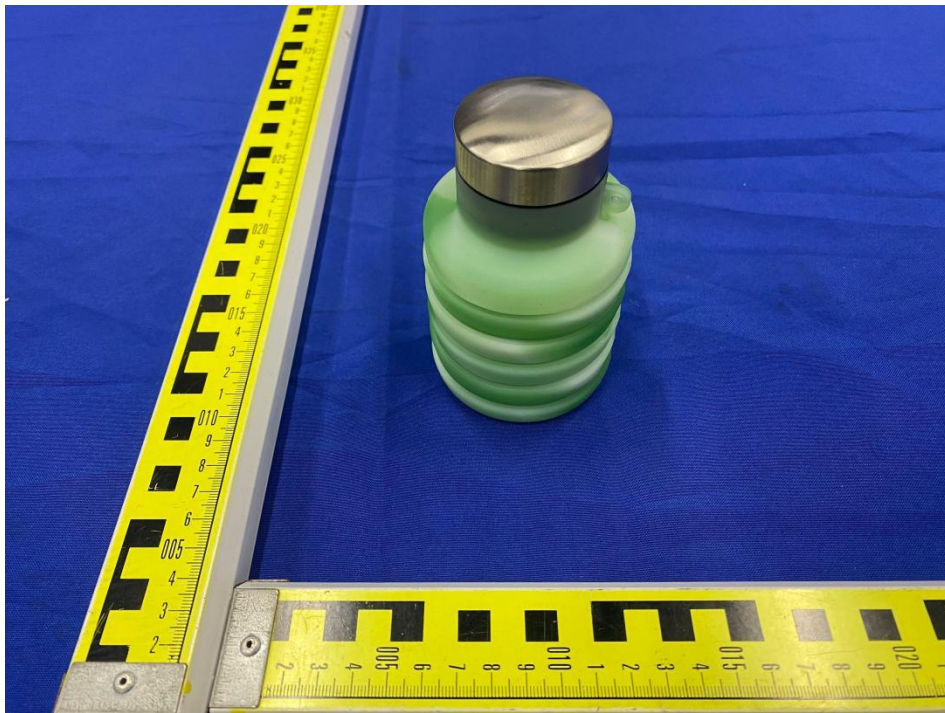
1mg/kg = 1ppm = 0.0001%

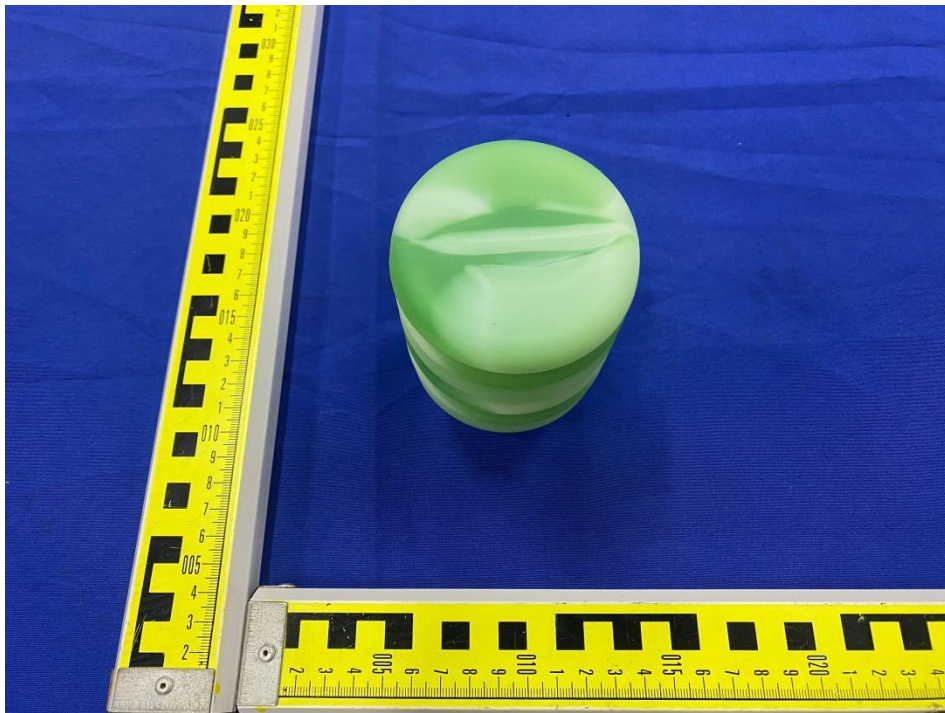
2ND = Not detected

3MDL = Method Detection Limit

Photograph of Sample







END OF REPORT