



TEST REPORT

REPORT No.: DG6201125-24911A

Date: December 4, 2020

Page 1 of 8

Shenzhen BangXing Rubber Technology Co., Ltd

深圳市邦兴橡塑五金科技有限公司

3rd floor, C2 Building, 56 XiaKeng Second Road, Longgang District, Shenzhen, Guangdong, China

深圳市龙岗区吓坑二路 56 号和杨兴科工业园 C2 栋 3 楼

Report on the submitted samples said to be:

委托检测的样品及申请者对样品的说明如下：

Sample Name : Silicone teether and bead
样品名称 : 硅胶牙胶珠子
Country of Origin : Shenzhen
原产地
Sample Receiving Date : November 27, 2020
收样日期 : 2020 年 11 月 27 日
Testing Period : From November 27, 2020 to December 4, 2020
测试周期 : 2020 年 11 月 27 日至 2020 年 12 月 4 日
Results : Please refer to next page(s).
测试结果 : 参见后续页。



Signed for and on behalf of BACL
BACL 授权签名

Chevy Feng

Checked by 审核:

Chevy Feng-冯伟环

Kithy Li

Approved by 核准:

Kithy Li-李艳君



TEST REPORT

REPORT No.: DG6201125-24911A

Date: December 4, 2020

Page 2 of 8

Summary of Test Results:

测试结果概要:

<u>TEST REQUEST</u> 测试要求	<u>CONCLUSION</u> 结论
1. European Standard on Safety of Toys: EN71-3:2019 - Migration of Certain Elements Tests 欧洲玩具安全标准: EN71-3:2019 - 特定元素的迁移	Pass 合格
2. Commission Regulation (EU) 2017/898 amending Directive 2009/48/EC Annex II, Appendix C - Bisphenol A (BPA) 欧盟委员会条例(EU) 2017/898 修订 2009/48/EC 指令附件二附录 C 的限制物质- 双酚 A	Pass 合格

EMERALD



TEST REPORT

REPORT No.: DG6201125-24911A

Date: December 4, 2020

Page 3 of 8

Results:

测试结果:

Tested part(s):

测试部位:

- (1) Cyan silicone rubber(child/elephant/ tortoise/helicopter/star/spoon/unicorn)
蓝绿色硅橡胶-娃娃/大象/乌龟/直升机/星星/勺子/独角兽
- (2) Cyan/white silicone rubber(square)
蓝绿色/白色硅橡胶-正方形

EXAMPLE

TEST REPORT

REPORT No.: DG6201125-24911A

Date: December 4, 2020

Page 4 of 8

1、European Standard on Safety of Toys: EN71-3:2019 - Migration of Certain Elements Tests

欧洲玩具安全的标准: EN 71-3:2019 - 特定元素的迁移

Test Method: With reference to EN71-3:2019. Analysis was performed by Inductively Coupled Plasma Optical Emission spectrometry (ICP-OES), Gas chromatographic-mass spectrometer (GC-MS), Liquid chromatographic in combination with ICP-MS (LC-ICP-MS)

测试方法: 参考 EN71-3:2019, 采用电感耦合等离子体发射光谱仪(ICP-OES), 气相色谱质谱联用仪(GC-MS), 液相色谱-电感耦合等离子体质谱联用仪(LC-ICP-MS)进行检测

Element 元素	Unit 单位	RL	Results 测试结果		Limit 限值
			(1)	(2)	
Aluminium 铝(Al)	mg/kg	12.0	N.D.	N.D.	70000
Antimony 锑(Sb)	mg/kg	6.0	N.D.	N.D.	560
Arsenic 砷(As)	mg/kg	0.80	N.D.	N.D.	47
Barium 钡(Ba)	mg/kg	12.0	N.D.	N.D.	18750
Boron 硼(B)	mg/kg	12.0	N.D.	N.D.	15000
Cadmium 镉(Cd)	mg/kg	0.15	N.D.	N.D.	17
Chromium (III)三价铬(Cr III)	mg/kg	9	N.D.	N.D.	460
Chromium(VI)六价铬(CrVI)	mg/kg	0.0475	N.D.	N.D.	0.053
Cobalt 钴(Co)	mg/kg	2.26	N.D.	N.D.	130
Copper 铜(Cu)	mg/kg	12.0	N.D.	N.D.	7700
Lead 铅(Pb)	mg/kg	0.48	N.D.	N.D.	23
Manganese 锰(Mn)	mg/kg	12.0	N.D.	N.D.	15000
Mercury 汞(Hg)	mg/kg	1.80	N.D.	N.D.	94
Nickel 镍(Ni)	mg/kg	6.0	N.D.	N.D.	930
Selenium 硒(Se)	mg/kg	6.00	N.D.	N.D.	460
Strontium 锶(Sr)	mg/kg	12.00	N.D.	N.D.	56000
Tin 锡(Sn)	mg/kg	4.0	N.D.	N.D.	180000
Organic Tin 有机锡*	mg/kg	1.00	N.D.	N.D.	12
Zinc 锌(Zn)	mg/kg	12.0	N.D.	N.D.	46000
Conclusion 结论	/	/	Pass 合格	Pass 合格	/



TEST REPORT

REPORT No.: DG6201125-24911A

Date: December 4, 2020

Page 5 of 8

Note:

注释:

*= Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.

Organic Tin including Methyltin (MeT), Dimethyltin (DMT), Butyltin (BuT), Dibutyltin (DBT), Tributyltin (TBT), Tetrabutyltin (TeBT), Monoctyltin (MOT), Dioctyltin (DOT), Dipropyltin (DProT), Diphenyltin (DPhT), Triphenyltin (TPhT).

除非特别指明,有机锡的结果是通过假设锡含量完全由三丁基锡阳离子组成而计算出来的。

有机锡,包括甲基锡 (MeT), 二甲基锡 (DMT), 丁基锡 (BuT), 二丁基锡 (DBT), 三丁基锡 (TBT), 四丁基锡 (TeBT), 单辛基锡 (MOT), 二辛基锡 (DOT), 二丙基锡 (DProT), 二苯锡 (DPhT), 三苯锡 (TPhT)。

- N.D. = Not Detected or less than RL

N.D. = 未检出或低于检出限

- RL = Report Limit

RL = 报告检出限

- mg/kg = ppm

- Photo is included.

附样品照片。



TEST REPORT

REPORT No.: DG6201125-24911A

Date: December 4, 2020

Page 6 of 8

2、 Commission Regulation (EU) 2017/898 amending Directive 2009/48/EC Annex II, Appendix C - Bisphenol A (BPA)

欧盟委员会条例(EU) 2017/898 修订 2009/48/EC 指令附件二附录 C 的限制物质- 双酚 A

Test method: With reference to EN71-10:2005 & EN71-11:2005, Analysis was performed by liquid chromatography/quadrupole mass spectrometer(LC/MS/MS).

测试方法: 参考 EN71-10:2005 & EN71-11:2005 测试方法, 液相色谱-质谱联用仪 (LC/MS/MS) 检测。

Item 项目	Unit 单位	MDL	Results 测试结果		Migration Limit 迁移限值
			(1)	(2)	
Bisphenol A (BPA) 双酚 A (BPA)	mg/L	0.04	N.D.	N.D.	0.04
Conclusion 结论	/	/	Pass 合格	Pass 合格	/

Note:

注释:

- N.D. = Not Detected or less than MDL
N.D. = 未检出或低于检出限
- MDL = Method Detection Limit
MDL = 方法检出限
- Photo is included.
附样品照片。

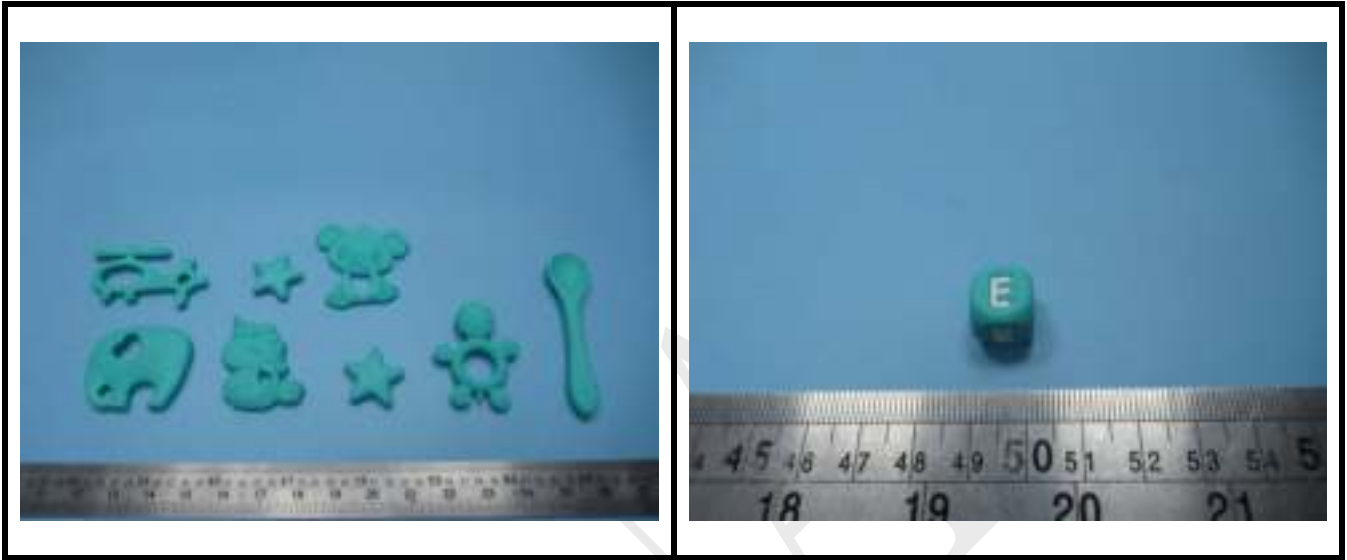
TEST REPORT

REPORT No.: DG6201125-24911A

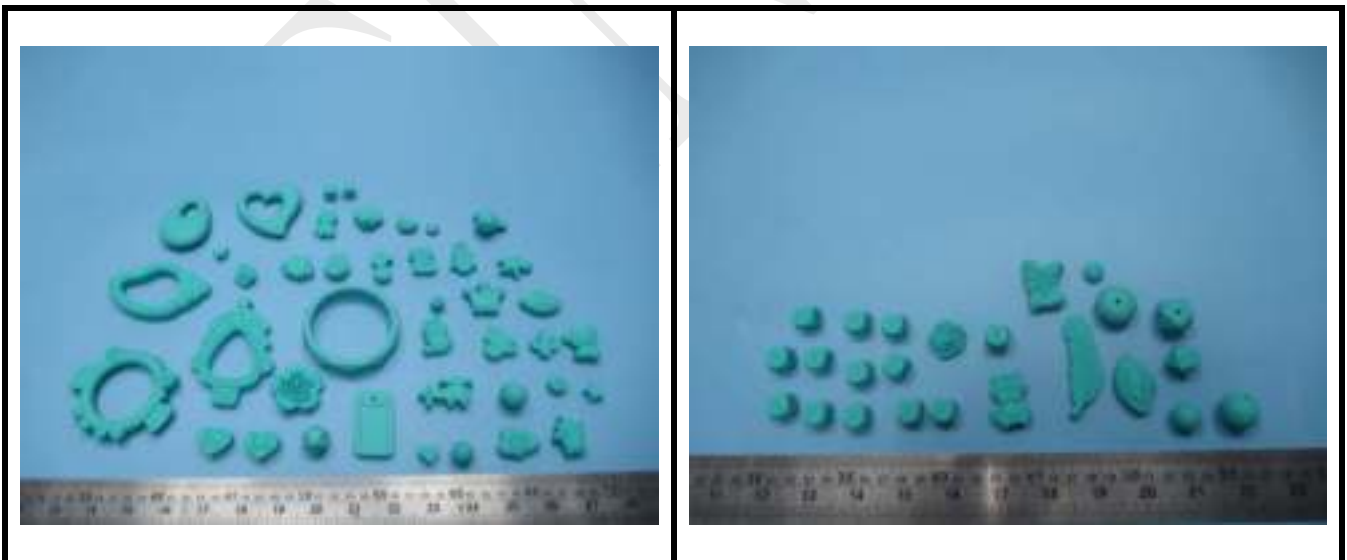
Date: December 4, 2020

Page 7 of 8

Photograph of Sample (For Test)
样品照片(供测试)



Photograph of Sample (For Reference only)
样品照片(仅供参考)



BACL authenticate the photo on original report only
此图片仅限于随 BACL 正本报告使用



TEST REPORT

REPORT No.: DG6201125-24911A

Date: December 4, 2020

Page 8 of 8

Directions:

说明:

1. This report cannot be reproduced except in full, without prior written approval of the Company.
除全文复制外，未经实验室批准不得部分复印报告。
2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
除非另有声明，本报告中测试结果仅与被测样品相关。测试样品默认保存 30 天。
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
本报告的有效性取决于本报告中电子签章的有效性。电子签章只适用于在 Adobe 系列软件 7.0 以上版本中查看。
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
除非申请商要求或产品法规另有规定，否则本报告判定规则不考虑不确定度。
5. The information which provided by the applicant, such as sample description, sample name, material component, style/item No. , P.O. No. , manufacture, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
本报告中申请商提供的信息,如样品描述、样品名称、材料成份、型号、PO 号、生产商，样品适用年龄，可能和报告结果的有效性相关，本实验室不对其真实性负责。
6. The test samples were in good condition before testing.
在进行测试前，测试样品已确认状态完好。
7. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
本报告给出的扩展不确定度是由合成标准不确定度乘以包含概率约为 95% 时对应的包含因子 k 得到的。
8. 本报告中的数据结果用于学习、研究、内部质量控制、产品研发、科研，教学等目的。

*** End of Report ***

*** 报告结束 ***