

TEST REPORT

REPORT No.: XMTN2200914-16611A

Date: September 18, 2020

Page 1 of 8

Xiamen keyuan electronics industry co. LTD

厦门市科源电子工业有限公司

No.331 Siming garden Tongan industrial concentration area, Xiamen

厦门市同安工业集中区思明园 331 号

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
样品名称	: 硅胶牙胶
Sample/EUT Status	: Good condition
样品状态	: 完好
Sample Receiving Date	: September 14, 2020
收样日期	: 2020 年 9 月 14 日
Testing Period	: From September 14, 2020 to September 18, 2020
测试周期	: 2020 年 9 月 14 日至 2020 年 9 月 18 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)

Checked by
审核:

Jenifer 于倩芝

Jenifer Yu-于倩芝

Approved by
核准:

Fedor 张成

Fedor Zhang-张成



TEST REPORT

REPORT No.: XMTN2200914-16611A

Date: September 18, 2020

Page 2 of 8

Summary of Test Results:

测试结果概要:

TEST REQUEST

测试要求

European Standard on Safety of Toys: EN 71-3:2019– Migration of Certain Elements

A Tests

欧洲玩具安全的标准: EN 71-3:2019 – 特定元素的迁移

CONCLUSION

结论

Pass

合格

FUNNABLE



TEST REPORT

REPORT No.: XMTN2200914-16611A

Date: September 18, 2020

Page 3 of 8

Results:
测试结果:

Tested part(s):
测试部位:

1. Black/white plastic 黑色/白色胶

FINAL



TEST REPORT

REPORT No.: XMTN2200914-16611A

Date: September 18, 2020

Page 4 of 8

A. European Standard on Safety of Toys: EN 71-3:2019– Migration of Certain Elements Tests

欧洲玩具安全标准: EN 71-3:2019 – 特定元素的迁移

Test Method: With reference to EN 71-3:2019. Analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES), Inductively coupled plasma mass spectrometry (ICP-MS), Gas chromatographic- mass spectrometer (GC-MS), Ion Chromatography in combination with ICP-MS (IC-ICP-MS), Ion chromatographic (IC-UV).

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

Element 元素	Unit 单位	RL	Results 测试结果	Limit 限值		
			1	Category I 第一类	Category II 第二类	Category III 第三类
Aluminium 铝(Al)	mg/kg	10	N.D.	5625	1406	70000
Antimony 锑(Sb)	mg/kg	10	N.D.	45	11.3	560
Arsenic 砷(As)	mg/kg	10	N.D.	3.8	0.9	47
Barium 钡(Ba)	mg/kg	10	N.D.	1500	375	18750
Boron 硼(B)	mg/kg	10	10	1200	300	15000
Cadmium 镉(Cd)	mg/kg	5	N.D.	1.3	0.3	17
Chromium (III)三价铬(Cr III)	mg/kg	10	N.D.	37.5	9.4	460
Chromium(VI)六价铬(CrVI)	mg/kg	0.02	N.D.	0.02	0.005	0.053
Cobalt 钴(Co)	mg/kg	10	N.D.	10.5	2.6	130
Copper 铜(Cu)	mg/kg	10	N.D.	622.5	156	7700
Lead 铅(Pb)	mg/kg	10	N.D.	2.0	0.5	23
Manganese 锰(Mn)	mg/kg	10	N.D.	1200	300	15000
Mercury 汞(Hg)	mg/kg	10	N.D.	7.5	1.9	94
Nickel 镍(Ni)	mg/kg	10	N.D.	75	18.8	930
Selenium 硒(Se)	mg/kg	10	N.D.	37.5	9.4	460
Strontium 锶(Sr)	mg/kg	10	N.D.	4500	1125	56000
Tin 锡(Sn)	mg/kg	4	N.D.	15000	3750	180000
Organic Tin 有机锡*	mg/kg	0.2	N.D.	0.9	0.2	12
Zinc 锌(Zn)	mg/kg	10	N.D.	3750	938	46000
Conclusion 结论	/	/	Pass 合格	/	/	/



TEST REPORT

REPORT No.: XMTN2200914-16611A

Date: September 18, 2020

Page 5 of 8

Remark:

备注:

Category I: in dry, brittle, powder-like or pliable toy material

第一类: 在干燥, 粉末状或柔软的玩具材料

Category II: in liquid or sticky toy material

第二类: 在液态或粘稠的玩具材料中

Category III: in scraped-off toy material

第三类: 在玩具表面刮出物中

Remark II 备注 II:

Soluble Chromium (III) = soluble Chromium – soluble Chromium (VI)

可溶三价铬含量等于可溶铬含量减去可溶六价铬含量

Remark III 备注 III:

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

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。

If soluble tin content exceeded the screening limits of organic tin content, the result(s) was (were) verified by below method:

如果可溶锡含量超过可溶有机锡含量的筛选限值,就需要用如下方法来测试可溶有机锡含量:

- EN 71-3:2019, Annex G by Gas Chromatography-Mass Spectroscopy analysis.
- 参照 EN71-3:2019, 附录 G, 用气相色谱质谱联用仪(GC-MS)测定。

Note:

- 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
- Pass= Meet with the requirement Category III (as the requirement of client)
合格 = 符合三类要求 (依照客户要求)
- Photo appendix is included.
样品照片见附录。

TEST REPORT

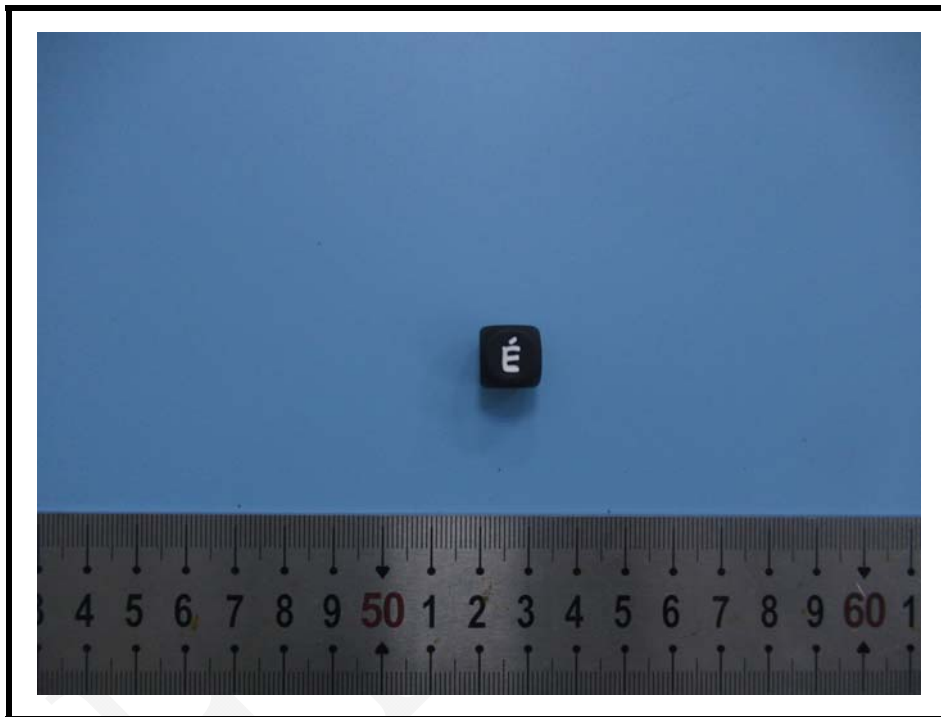
REPORT No.: XMTN2200914-16611A

Date: September 18, 2020

Page 6 of 8

Appendix 附录

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



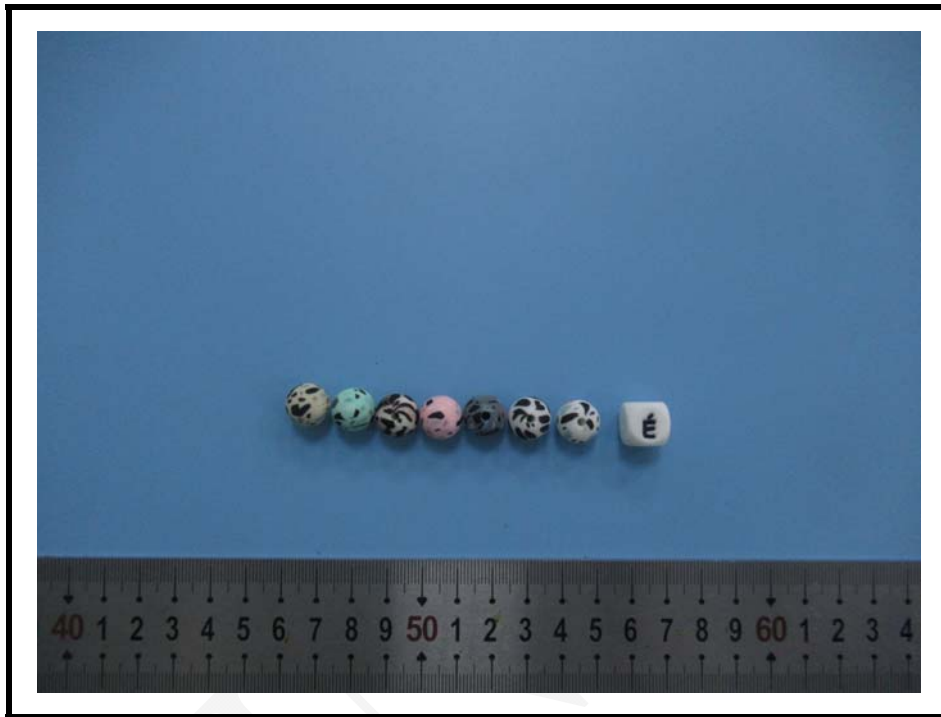
TEST REPORT

REPORT No.: XMTN2200914-16611A

Date: September 18, 2020

Page 7 of 8

Photograph of Sample (For Reference)
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.: XMTN2200914-16611A

Date: September 18, 2020

Page 8 of 8

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*** End of Report ***

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