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Client: CIXI CHONGGAO SEAL PRODUCTS MATERIAL CO.LTD
No.155 Haifeng BeiEr Road
Industrial Zone of East- Cixi Zhejiang

**Identification/
Model No(s):** 1. Biodegradable BBs, white
2. Biodegradable green BBs, green
white: 0.20g(test item); 0.23g; 0.25g; 0.28g
green: 0.28g(test item); 0.23g; 0.25g; 0.20g

Sample Receiving date: 2015-11-5

Testing Period: 2015-11-06 - 2015-11-10

Delivery condition: Apparent good, Samples tested as received

Test Specification: **Test result:**
Customer's requirement:
1. EN 71 - 3:2013 Migration of 19 Elements PASS

For and on behalf of
TÜV Rheinland/CCIC (Ningbo) Co., Ltd.

2015-11-13

Date


Geprüft und Genehmigt
(Reviewed and approved)
TÜV
Xie Xianqiang / Department Manager

Name/Position

*Test result is drawn according to the kind and extent of tests performed.
This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

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Material List:

- Item: 1. Biodegradable BBs, white
 2. Biodegradable green BBs, green
 white: 0.20g(test item); 0.23g; 0.25g; 0.28g
 green: 0.28g(test item); 0.23g; 0.25g; 0.20g

Material No.	Material	Color	Location
M001	Plastic	white	PLA, refer to photo
M002	Plastic	green	PLA, refer to photo

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1. EN71-3:2013 Migration of 19 Elements

Test Method: with reference to EN71-3:2013, for inorganic elements, analyzed by ICP-OES or ICP-MS.

3) For scraped-off toy materials:

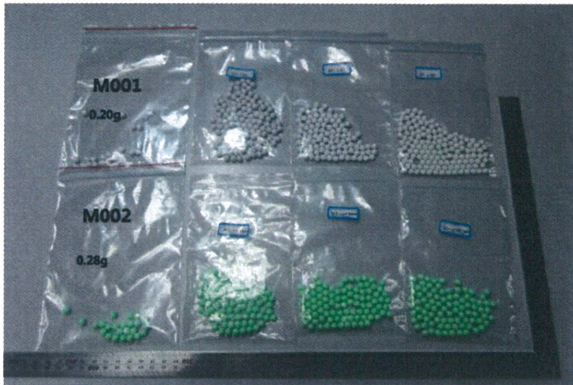
				Test No.	T001	T002
				Material No.	M001	M002
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	70000	n.d.		13.1
Antimony (Sb)	mg/kg	1	560	n.d.		n.d.
Arsenic (As)	mg/kg	1	47	n.d.		n.d.
Barium (Ba)	mg/kg	2.5	18750	11.0		149
Boron (B)	mg/kg	10	15000	n.d.		n.d.
Cadmium (Cd)	mg/kg	1	17	n.d.		n.d.
Chromium (Cr)	mg/kg	0.15	-	n.d.		n.d.
Chromium (III) (Cr (III))§	mg/kg	0.15	460	-		-
Chromium (VI) (Cr (VI))§	mg/kg	0.15	0.2	-		-
Cobalt (Co)	mg/kg	2.5	130	n.d.		n.d.
Copper (Cu)	mg/kg	2.5	7700	n.d.		n.d.
Lead (Pb)	mg/kg	2.5	160	n.d.		n.d.
Manganese (Mn)	mg/kg	2.5	15000	4.5		2.9
Mercury (Hg)	mg/kg	1	94	n.d.		n.d.
Nickel (Ni)	mg/kg	2.5	930	n.d.		n.d.
Selenium (Se)	mg/kg	2.5	460	n.d.		n.d.
Strontium (Sr)	mg/kg	2.5	56000	10.5		29.8
Tin (Sn)	mg/kg	1.0	180000	n.d.		n.d.
Organic Tin [^]	mg/kg	1.0	12	-		-
Zinc (Zn)	mg/kg	10	46000	n.d.		n.d.

Abbreviation: n.d. = Not Detected (< RL)
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 § denotes Cr(III) and Cr(VI) are not necessary to be determined when the Combined Chromium concentration value is less than the requirement
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.9 mg/kg) or the components were confirmed to be pure metal

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Sample Photo



- END -