



Test Report

Number: SZHH00726041

Applicant: LIYANG TOY LTD.CORP.,
DAXINWEI INDUSTRIAL AREA, NO.2 WUSHA
XIANXI, CHANGAN TOWN,
DONGGUAN CITY 523850

Date: Sep 15, 2012

Attn: Tang Dong

Sample Description:

One (1) piece of submitted sample said to be:

- Item Name : **Mimi.**
- Item No. : **BL-12231.**
- Reference No. : See Appendix.
- Appendix : bl-12232, bl-12230, bl-12220, bl-12221, bl-12222, bl-41710, bl-41712, bl-12240, bl-12241, bl-12242, bl-04020, bl-04021, bl-04260, bl-04261, bl-04230, bl-04231, bl-12210, bl-12211, bl-12212, bl-93220, bl-93221, bl-93228, bl-04060, bl-04061, bl-43900, bl-51800, bl-71211, bl-63020, bl-62910, bl-71815, bl-38800, bl-44900, bl-45900, bl-45901, bl-70310, bl-41900, bl-30510, bl-23940.



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Ben N.L. Lin
General Manager



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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample	EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002 for toxic elements test	See Comment
Screened component of submitted sample	Screening by XRF spectroscopy and chemical confirmation test for RoHS Directive (2002/95/EC and superseding 2011/65/EU)	Pass

Comment:

The testing scope of the following standard was not applicable to the submitted samples. However, the test results of the sample met the related requirements as stated in this report.

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



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Tests Conducted

1 Toxic Elements Analysis

With reference to European Standard on Safety of toys EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002, acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (mg/kg)</u>	<u>Limit(mg/kg)</u>
Sol. Barium (Ba)	<5	1000
Sol. Lead (Pb)	<5	90
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Chromium (Cr)	<5	60
Sol. Mercury (Hg)	<5	60
Sol. Arsenic (As)	<2.5	25

Sol. = Soluble
< = Less than
mg/kg = milligram per kilogram

Tested Sample : Purple plastic (mini)

Date sample received : Sep 06, 2012
Testing period : Sep 06, 2012 to Sep 13, 2012

2 Screening Test by XRF Spectroscopy

Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr) and Bromine (Br) content were measured by XRF spectroscopy and chemical confirmation test for RoHS restricted substances.

(A) Results:

Screened Components	XRF Results		Chemical Confirmation Result
(1)	Cd	ND	Not tested
	Pb	ND	
	Hg	ND	
	Cr	ND	
	Br	ND	

ND = Not detected



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(B) XRF Screening Limits in mg/kg for Regulated Elements in Various Matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 150 \leq F$
Pb	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Hg	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Cr	$P \leq 700 < X$	$P \leq 700 < X$	$P \leq 500 < X$
Br	$P \leq 300 < X$	Not applicable	$P \leq 250 < X$

P = Pass

X = Inconclusive result

F = Fail

mg/kg = milligram per kilogram = ppm

(C) Estimated Detection Limits in mg/kg for Regulated Elements in Various Matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	50	70	70
Pb	100	200	200
Hg	100	200	200
Cr	100	200	200
Br	200	Not applicable	200

Disclaimers:

This XRF Screening and Chemical Confirmation Test Report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF Screening and Chemical Confirmation Test Report is sufficient for its/his/her purposes.

The results shown in this XRF Screening and Chemical Confirmation Test Report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis is required to obtain quantitative data.



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(D) RoHS Requirement:

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)	0.1% (1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 mg/kg)

The above limits were quoted from 2002/95/EC and superseding 2011/65/EU for homogeneous material.

Screened Component: Purple plastic

Date sample received: Sep 06, 2012

Testing period: Sep 06, 2012 to Sep 06, 2012

End of report

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