



Test Report

Number: GZHH00111058

Applicant: GUANGZHOU PLATO PLASTIC CO., LTD
DAYUAN VILLAGE HENGLI TOWN NANSHA
DISTRICT GUANGZHOU CITY GUANGDONG
CHINA

Date: Oct 22, 2012

Sample Description:

One (1) submitted sample said to be **PVC Tarpaulin**
Vendor : Guangzhou Plato Plastic Co., Ltd
Buyer : Pealton Ltd
Country of Origin : China



Tests conducted:

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

Conclusion:

Tested Sample	Standard	Result
Submitted sample	EN71 Part 2 : 2011 Flammability test	See Remark
	U.S. ASTM F963-11 for heavy elements test	Pass
	EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002 for toxic elements test	Pass

Remark: The submitted sample was examined unfinished product and was not subjected to the scope of the European standard of toys EN71. However, as requested by the applicant, the submitted sample was assessed under the requirement of EN71 part 2, and the result met the requirement of the standard.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Toys & Hardlines Division

Ben N.L. Lin
General Manager





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Tests Conducted

1 Flammability Test

With reference to European Standard on Safety of Toys EN71-2: 2011

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	P
4.5	Soft filled toys	NA

Remark: P = Pass NA = Not Applicable

Washing method:

The test specimen was pre-washed according to the EN71-2 Clause 5.4.1 before testing.

Date sample received : Sep 25, 2012 & Oct 17, 2012

Testing period : Sep 25, 2012 to Oct 17, 2012

2 Heavy Elements Analysis in Non-Surface Coating Materials

As per Section 4.3.5.2(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>	<u>Limit ppm</u>
Sol. Barium (Ba)	23	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

ppm = parts per million

Tested sample: Orange PVC plastic with white fiber.

Date sample received : Sep 25, 2012

Testing period : Sep 25, 2012 to Sep 28, 2012





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3 Total Lead (Pb) Content

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1001-08.1, CPSC-CH-E1002-08.1 or/and CPSC-Ch-E1003-09.1 were used and total Lead content was determined by inductively Coupled Argon Plasma Spectrometry.

Result: Less than 10 ppm

Limit: 100 ppm

ppm = parts per million

Tested sample: Orange PVC plastic with white fiber.

Date sample received : Sep 25, 2012

Testing period : Sep 25, 2012 to Sep 28, 2012

4 Toxic Elements Analysis

As per 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)	23	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

mg/kg = milligram per kilogram

Tested sample: Orange PVC plastic with white fiber.

Date sample received : Sep 25, 2012

Testing period : Sep 25, 2012 to Sep 28, 2012

End of report

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