



**Test Report**

NO.: ASZ0811183005C

Date: Nov 22, 2008

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**Customer:** PEPPERELL CRAFTS OF NINGBO

**Address:** 1ST FANGXIN ROAD FANGQIAO INDUSTRIAL ZONE FENGHUA NINGBO CHINA

**Report on the submitted sample said to be**

**Sample name:** RX-100 REXLACE CONTRUCTIONAL TOYS

**Model:** /

**Item/Lot No.:** /

**Material:** /

**Buyer:** PEPPERELL BRAIDING COMPANY

**Supplier:** PEPPERELL CRAFTS OF NINGBO

**Manufacturer:** PEPPERELL CRAFTS OF NINGBO

**Sample received date:** Nov 18, 2008

**Testing period:** From Nov 18, 2008 to Nov 22, 2008

**Testing Requested:**

- 1) As specified the requirements of ASTM Standard Consumer Safety Specification on Toy Safety F 963-07
- 2) As specified by client, to determine Lead、 DEHP(DOP)、 DBP、 BBP 、 DINP、 DNOP and DIDP content in the submitted samples in accordance with Consumer Product Safety Improvement Act of 2008 (H.R. 4040) section 101—Prohibition on sale of certain products containing specified lead and Consumer Product Safety Improvement Act of 2008 (H.R. 4040) section 108—Prohibition on sale of certain products containing specified phthalates

**Test method:**

2)

Testing Item	Test Method	Measuring instrument
Lead (Pb)	EPA 3050B , Acid Dissolution	ICP-OES
DEHP(DOP)、DBP、BBP 、DINP、DNOP and DIDP	ASTM D3421-75	GC-MS

**Conclusion:**

The submitted sample complied with the requirement.

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE (S)\*\*\*\*\*

**Signed for AOV Ltd.**

Written by Cathy

Inspected by Wally

Approved by Jenah

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# Test Report

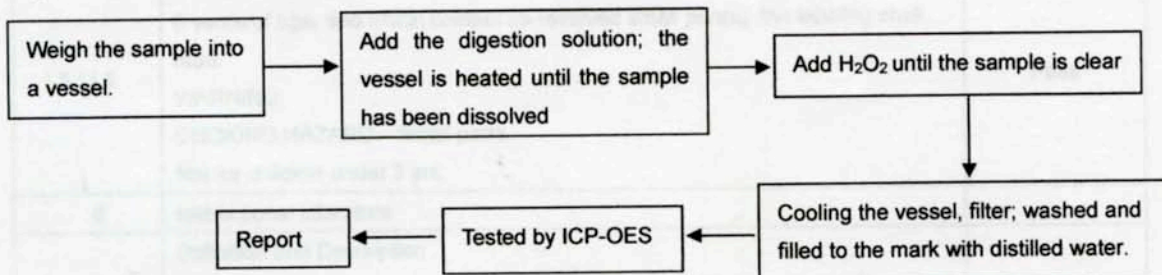
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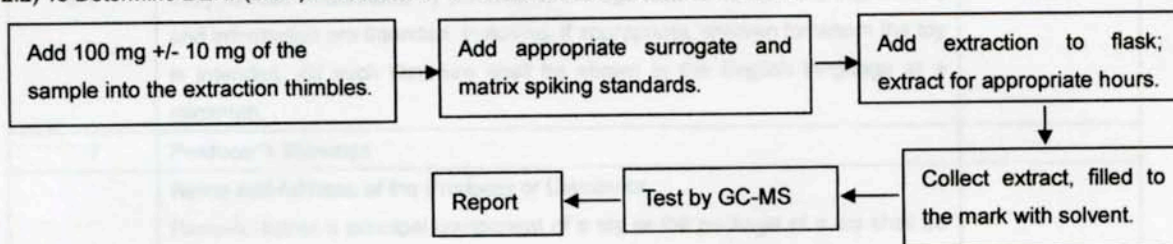
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## Test Flow:

### 2.1) To Determine Lead Content:



### 2.2) To Determine DEHP(DOP)、DBP、BBP、DINP、DNOP and DIDP Content:



## Test Results:

### 1) - Mechanical and physical hazards

Ref. ASTM F 963-07 Section 4;5;6;7 and 8

Section	Description	Result
4.1	Material Quality	Pass
4.6	Small Objects	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
5	Safety Labeling Requirements	
5.2	Age Grading Labeling Remark: Toys that are subject to any of the requirements of this specification should be labeled to indicate the minimum age for intended use or have such labeling on any retail packaging.	Pass
5.3	Safety Labeling Requirements Remark: All safety labeling shall be conspicuous and legible, shall be separated distinctively from any other wording or designs, and shall appear in the English language at a minimum. Such labeling shall be clearly visible to the intended audience and shall be in a color contrasting with the	Pass

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	background on which it appears.	
5.11.2	Note: For toys and games intended for children at least 3 years old but less than 6 years of age, and which contain as-received small part(s), the labeling shall read: <b>WARNING:</b> <b>CHOKING HAZARD—Small parts.</b> Not for children under 3 yrs.	Pass
6	Instructional Literature	
6.1	Definition and Description Remark: Information and instructions that are provided for the safe use or assembly, or both, of a toy, whether on the package or in leaflet form, shall be easy to read understand by persons of the age level for whom the instructions and information are intended, including, if appropriate, children for whom the toy is intended. All such literature shall be shown in the English language at a minimum.	Pass
7	Producer's Markings	
7.1	Name and Address of the Producer or Distributor Remark: Either a principal component of a toy or the package of a toy shall be marked with the name and address of producer or the distributor. In the case of toys sold in bulk, such as jacks or marbles, only the container need be marked. All of these markings shall be legible and so positioned as to be seen easily by the customer and shall resist normal use conditions. Toys may carry a code that will enable the producer to identify model changes except for toys comprising many loose components, in which case the container may be so coded.	Pass
8	Test Methods	Pass
8.5	Normal Use Testing	Pass
8.7	Impact Tests	Pass
8.8	Torque Tests for Removal of Components	Pass
8.9	Tension Test for Removal of Components	Pass

### - Flammability of materials other than textiles

Ref: ASTM F 963-07 Section 4.2

Method used: Federal Hazardous Substances Act (FHSA) 16 CFR 1500.44

Requirement: The burn rate shall not exceed 0.1in. per second.

Result: The sample did not ignite in 5 seconds.

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2)

Item	Unit	Limit	MQL	1	2	3	4	5	6
Lead (Pb)	mg/kg	600	2	N.D.	N.D.	N.D.	N.D.	N.D.	18.5

Item	Unit	MQL	1	2	3	4	5
Di-iso-nonyl phthalate (DINP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.
Di (2-ethyl hexyl)-phthalate (DEHP) (DOP)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.
Butylbenzyl phthalate (BBP)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.
Total (DINP+DNOP+DEHP+DIDP+BBP+DBP)	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.
Acceptable Limit	mg/kg	/	1000	1000	1000	1000	1000

### Specimen Description:

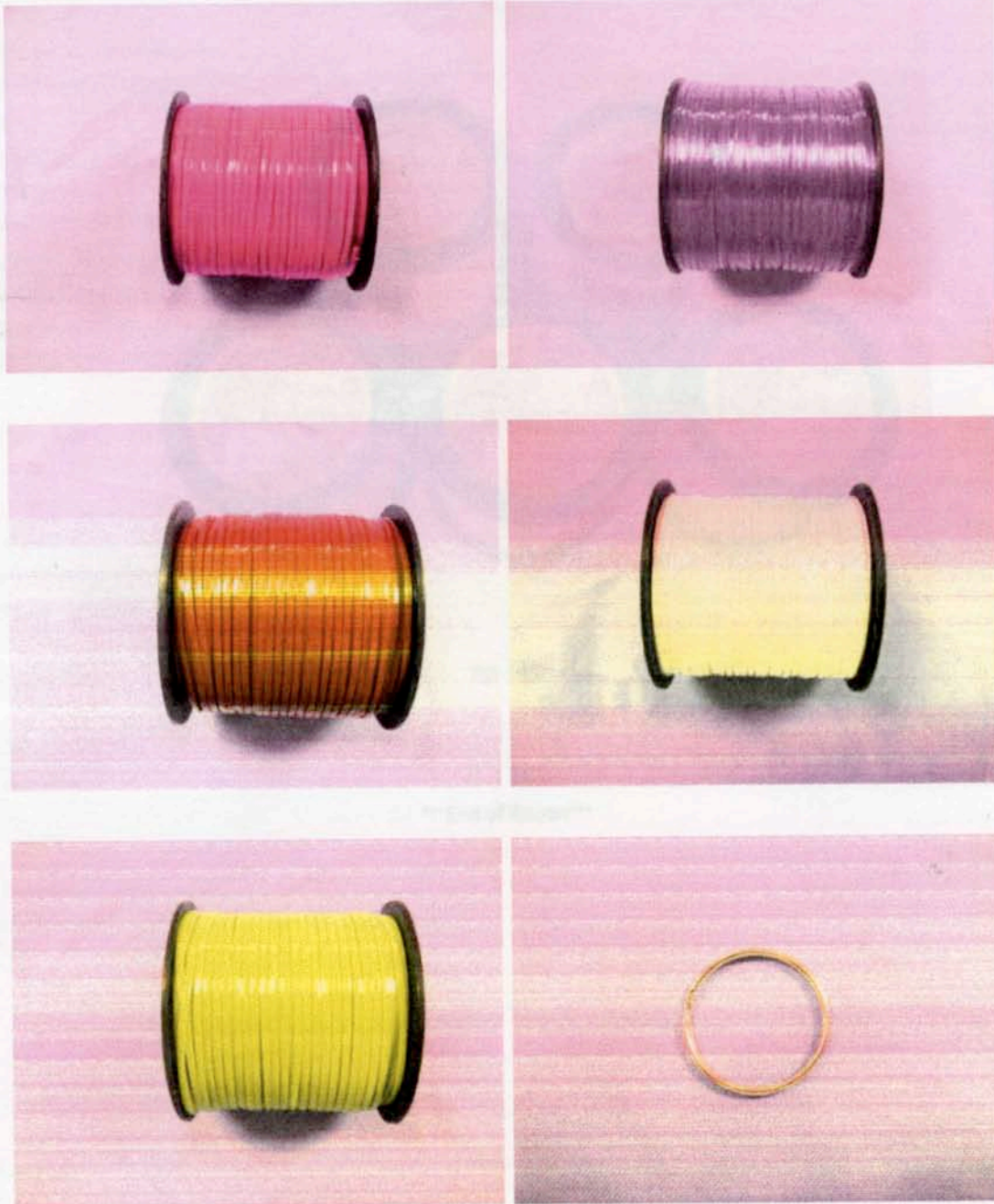
NO.	Sample name	Description
1	RX-100 Rexlace	NEON MAGENTA
2		NEON BLUE
3		RED
4		WHITE
5		NEON GREEN
6	Snaps & Rings	/

### Note:

- Specimens, which requested to determine Lead Content, have been dissolved completely.
- mg/kg = ppm
- N.D. =Not Detected (<MQL)
- MQL=Method Quantitation Limit
- Photo is included.

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Photographs of Samples



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Photographs of Samples



RX-100

\*\*\*End of Report\*\*\*

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**CERTIFICATE OF COMPLIANCE**

We certify that:

#RX10033 (upc#7 25879 20033 6 ) REXLACE 100 YARD SPOOL - NEON BLUE

is in compliance with all regulations specified within the Consumer Product Safety Improvement Act of 2008.

DATE OF MANUFACTURE: November, 2008

PLACE OF MANUFACTURE: Pepperell Crafts of Ningbo  
Ningbo, China

DATE TESTED: November 22, 2008

TESTED BY: Shenzhen AOV Testing Technology, Ltd.  
(approved 3<sup>rd</sup> party laboratory by CPSC)

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