

Report No.: CTT12113386EN

Date: Nov. 28, 2012

Page 1 of 6

Client: CHOON'S DESIGN LLC.

Address: 44926 PLAINE DRIVE NOVI, MI 48377

The following merchandise was (were) submitted and identified by client as:

Sample Name: Rainbow Loom Refill

Sample Model: semi transparent

Item No.: 023

Labelled Age Group: Above 3

Country of Origin: China

Sample Received Date: Nov. 26, 2012

Completed Date: Nov. 28, 2012

- Test Requested:**
1. Inspect the Lead (Pb)/ total cadmium(Cd)/ Phthalates content in the submitted sample.
 2. Inspect Total Lead and Soluble Heavy Metals in the submitted sample, according to ASTM F963-11.

Test Method(s) and Equipment(s): Please refer to next page(s).

Test Result(s) & Conclusion(s): Please refer to next page(s).

Signed for and on Behalf of CTT



Hill Lee / Technical Manager

Consumer Testing Technology Co., Ltd.

Test Report

Report No.: CTT12113386EN

Date: Nov. 28, 2012

Page 2 of 6

Test Method(s) and Equipment(s):

Test Item(s)	Test Method(s)	Equipment(s)
Total cadmium(Cd)	US EPA3052:1996	ICP-AES/ AAS
Lead (Pb) content of Substrate	CPSC-CH-E1001-08.1 CPSC-CH-E1002-08.1	ICP-AES/ AAS
Phthalates content	CPSC-CH-C1001-09.3	GC-MS
Total Lead content	ASTM F963-11 Section 8.3.1	ICP-AES/ AAS
Soluble Heavy Metals	ASTM F963-11 Section 8.3.2 to Section 8.3.5	ICP-AES

Conclusion(s):

1. The test result of the submitted sample **MEETS** requirements on Lead content of accessible substrate materials as stipulated in US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)].
2. The test result of the submitted sample **MEETS** requirements on Phthalates as stipulated in US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)].
3. The test result of the submitted sample **MEETS** Total Lead content in substrate material requirement of ASTM F963-11 "Standard consumer safety specification for toy safety," Section 4.3.5.2.
4. The test result of the submitted sample **MEETS** Soluble Heavy Metals content in substrate material requirements of ASTM F963-11 "Standard consumer safety specification for toy safety," Section 4.3.5.2.

Test Result(s): Total cadmium(Cd)

Material No.	Description	Location	Result (ppm)
1	Pink rubber	Body	N.D.

- Note:**
1. ppm = part per million (mg/kg).
 2. N.D. = Not Detected (<RL).
 3. RL (Report Limit) = 2ppm.



Test Report

Report No.: CTT12113386EN

Date: Nov. 28, 2012

Page 3 of 6

Test Result(s):

The Lead content of accessible substrate materials

Material No.	Description	Location	Limit (ppm)	Result (ppm)	Conclusion
1	Pink rubber	Body	100	N.D.	PASS

- Note:**
1. ppm = part per million (mg/kg).
 2. N.D. = Not Detected (< RL).
 3. RL (Report Limit) = 10ppm.
 4. According to the provision of Consumer Product Safety Improvement Act of 2008 (CPSIA, Public Law 110-314), Sec.101 and CPSC 16 CFR 1303:
 - a. Before 08/14/2009, The lead content in paint and surface coatings applies to toys and other articles intended for use by children and furniture articles should not exceed 600ppm.
 - b. After 08/14/2009, The lead content in paint and surface coatings applies to toys and other articles intended for use by children and furniture articles should not exceed 90ppm.
 - c. From 02/10/2009 to 08/13/2009, The lead limit should not exceed 600ppm for any accessible part of children's products (12 years of age or younger).
 - d. From 08/14/2009 to 08/13/2011, The lead limit should not exceed 300ppm for any accessible part of children's products (12 years of age or younger).
 - e. From 08/14/2011, The lead limit should not exceed 100ppm for any accessible part of children's products (12 years of age or younger).

Phthalates

Material No.	Description	Location
1	Pink rubber	Body

Substances	DBP	BBP	DEHP	DINP	DNOP	DIDP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	28553-12-0	117-84-0	26761-40-0	
Limit (ppm)	1000	1000	1000	1000	1000	1000	
RL (ppm)	30	30	30	50	30	50	
Material No.	Result (ppm)						
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

This test report is issued by the company subject to its General Conditions of Services printed overleaf or available on request and accessible at www.cttlab.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated the results shown in this report refer only to the sample(s) tested. Without prior written permission of the company, this test report cannot be reproduced, except in full



Test Report

Report No.: CTT12113386EN

Date: Nov. 28, 2012

Page 4 of 6

- Note:**
1. ppm = part per million (mg/kg).
 2. N.D. = Not Detected (< RL).
 3. RL = Report Limit.
 4. Children's toys and child care articles shall not exceed more than 1000ppm DBP, BBP or DEHP.
 - Children's toys defined as 12 years and under.
 - Child care articles to facilitate sleep or feeding of children 3 years and under, or to help children with sucking and teething.
 5. Children's toy that can be placed in the mouth and child care articles shall not exceed more than 1000ppm DINP, DNOP or DIDP.
 - Toys that can be kept in the mouth by a child so that it can be sucked or chewed.
 - Toys or part of toy with one dimension less than 5cm.

Test Result(s):

Total Lead content in substrate material - ASTM F963-11 Section 4.3.5.2

Material No.	Description	Location	Limit (ppm)	Result (ppm)	Conclusion
1	Pink rubber	Body	100	N.D.	PASS

- Note:**
1. ppm = part per million (mg/kg).
 2. N.D. = Not Detected (< RL).
 3. RL (Report Limit) = 10ppm.

Soluble Heavy Metals content in substrate material - ASTM F963-11 Section 4.3.5.2

Material No.	Description	Location
1	Pink rubber	Body

Elements	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Limit (ppm)	25	1000	75	60	60	90	60	500	
RL (ppm)	2.5	5	5	5	5	5	5	5	
Material No.	Result (ppm)								Conclusion
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

- Note:**
1. ppm = part per million (mg/kg).
 2. N.D. = Not Detected (< RL).
 3. RL = Report Limit.

This test report is issued by the company subject to its General Conditions of Services printed overleaf or available on request and accessible at www.cttlab.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated the results shown in this report refer only to the sample(s) tested. Without prior written permission of the company, this test report cannot be reproduced, except in full



Test Report

Report No.: CTT12113386EN

Date: Nov. 28, 2012

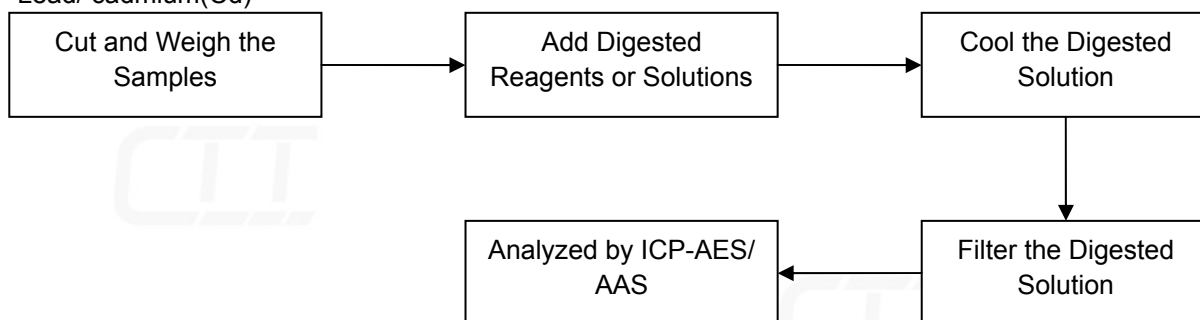
Page 5 of 6

Remark:

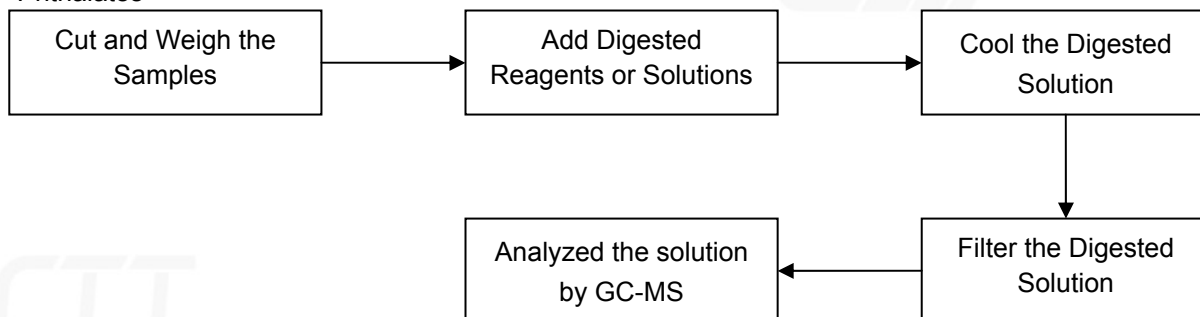
CTT Co., Ltd. is the US Consumer Product Safety Commission (CPSC) Accredited Third Party Testing Laboratory, Identification number is 1026. And shall refer to <http://www.cpsc.gov/cgi-bin/labapplist.aspx>.

Test Process Flow:

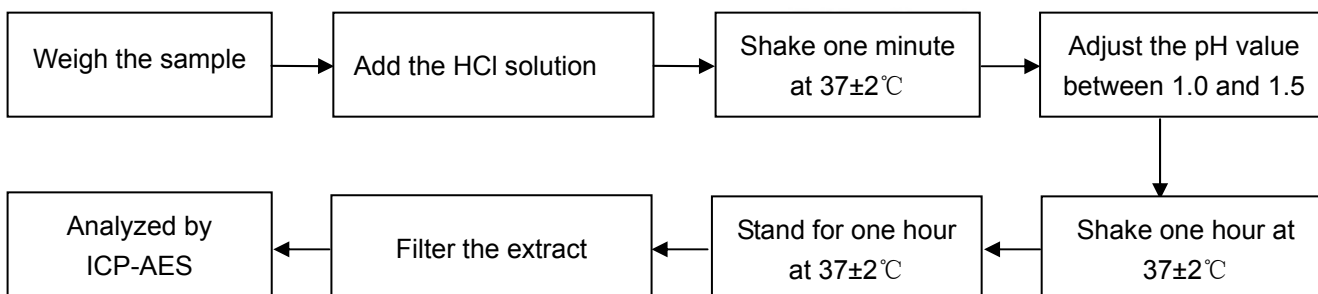
1. Lead/ cadmium(Cd)



2. Phthalates



3. Soluble Heavy Metals-nonmetal



This test report is issued by the company subject to its General Conditions of Services printed overleaf or available on request and accessible at www.cttlab.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated the results shown in this report refer only to the sample(s) tested. Without prior written permission of the company, this test report cannot be reproduced, except in full



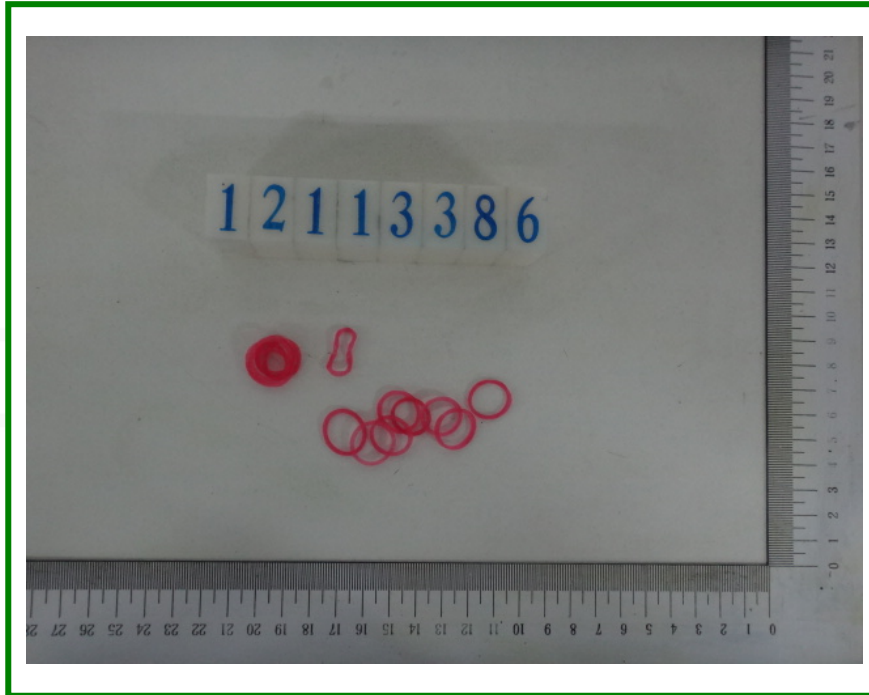
Test Report

Report No.: CTT12113386EN

Date: Nov. 28, 2012

Page 6 of 6

Photo of Sample:



End of Report

This test report is issued by the company subject to its General Conditions of Services printed overleaf or available on request and accessible at www.cttlab.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. Unless otherwise stated the results shown in this report refer only to the sample(s) tested. Without prior written permission of the company, this test report cannot be reproduced, except in full