



Test Report

No.: DGC13050903I02A

Date: May 14, 2013

Page 1 of 6



Applicant: Choon's Design LLC

Address: 44926 PLAINE DRIVE,NOVI,MI 48377

Manufacturer: NCB TRADING LIMITED

Address: FLAT B,6/F,TEDA BUILDING,87 WING LOK STREET,SHEUNV WAN,Hong Kong.

Sample Name: Rainbow Loom

Model No.: /

Labeled Age Grading: Over 8 years

Country Of Destination: U.S.A

Country of Origin: /

Test period: May 09, 2013 to May 14, 2013

Testing Requested: 1. ASTM F963-11: Standard Consumer Safety Specification for Toy Safety
2. In accordance with U.S. Consumer Product Safety Improvement Act 2008 (CPSIA) (H.R.4040) Title I , Section 101 & Section 108, to determine the Total Lead and Phthalates content on submitted sample.

Test result: Please refer to next page.

Conclusion: Please refer to next page.

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

Written by:

Iris



Checked by:

Ken

Approved by:

Coby

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Accurate Technology Co., Ltd.

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Page 2 of 6

Results:

1.ASTM F963-2011:

Mechanical and physical hazards

Ref: ASTM F963-11 Section 4;5;6;7 and 8

Section	Description	Result
4	Safety requirements	
4.1	Material Quality	Pass
4.2	Flammability	Pass See Flammability Test Result
4.7	Accessible Edges	
4.7.1	Potentially hazardous sharp metal and glass edges are defined in 16 CFR 1500.49.	Pass
4.7.4	Molded Toys	Pass
4.9	Accessible Points	
4.9.1	Potentially hazardous sharp points are defined by 16 CFR 1500.48.	Pass

5	Labeling Requirements	
5.1	Federal Government Requirements <u>Remark:</u> All toys that fall within the definitions and requirements of the U.S. FHSA shall conform to the labeling requirement of that act. For specific requirements, reference 16 CFR 1500.3, 1500.14, 1500.19, 1500.82, 1500.83, 1500.86, 1500.121, 1500.122, 1500.123, 1500.125, 1500.126, 1500.127, 1500.128, 1500.130, 1505.3, and 1511.7. In addition, state labeling requirements may exist.	Pass See Remark
5.2	Age Grading Labeling <u>Remark:</u> 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 See Remark

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6	Instructional Literature	
6.1	<p>Definition and Description</p> <p><u>Remark:</u> 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.</p>	<p>Pass</p> <p>See Remark</p>
8	Test Methods	
8.5	Normal Use Testing	Pass

- Flammability of solids and soft toys

Ref: ASTM F963-11 Section 4.2

Method used: ASTM F963-11 Annex A4

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

Result: The sample did not ignite in 5 seconds.

Heavy metals analysis

Ref.: ASTM F963-11 , 8.3 Test Methods for Determination of Heavy Element Content in Toys, Toy Components and Materials.

Determined by: ICP-OES.

Test Item	Unit	MDL	Limit	Results			
				No.1	No.2	No.3	No.4
Soluble Cadmium (Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.
Soluble Lead (Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.
Soluble Chromium (Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.
Total Lead (Pb) Substrates	mg/kg	2	100	N.D.	N.D.	15	N.D.

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Test Item	Unit	MDL	Limit	Results		
				No.5	No.6	No.7
Soluble Cadmium (Cd)	mg/kg	5	75	N.D.	N.D.	N.D.
Soluble Lead (Pb)	mg/kg	5	90	N.D.	N.D.	N.D.
Soluble Chromium (Cr)	mg/kg	5	60	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	mg/kg	5	60	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	5	60	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	5	25	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	5	500	N.D.	N.D.	N.D.
Total Lead (Pb) Substrates	mg/kg	2	100	N.D.	N.D.	N.D.

Remark; Results of soluble elements shown are of the adjusted analytical results.

2.CPSIA:

2-1.Total Lead content in accessible substrate materials:

Test method: With reference to CPSC-CH-E1002-08.1 Standard Operating Procedure for Determining Total Lead (Pb) in Non- Metal Children's Products , and measured by ICP-OES.

Test Item	Unit	MDL	Limit	Result			
				No.1	No.2	No.3	No.4
Total Lead(Pb)	ppm	2	100	N.D.	N.D.	15	N.D.
Comment				Pass	Pass	Pass	Pass

Test Item	Unit	MDL	Limit	Result		
				No.5	No.6	No.7
Total Lead(Pb)	ppm	2	100	N.D.	N.D.	N.D.
Comment				Pass	Pass	/

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2-2. Phthalates content in child care items and toys:

Test method: With reference to CPSC-CH-C1001-09.3 Standard Operating Procedure for Determination of Phthalates and measured by GC-MS.

Test Items	Unit	MDL	Result			
			No.1	No.2	No.3	No.4
Di-iso-nonyl phthalate (DINP)	%	0.01	N.D.	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	%	0.003	N.D.	N.D.	N.D.	N.D.
Di (2-ethyl hexyl)-phthalate (DEHP)	%	0.003	N.D.	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	%	0.01	N.D.	N.D.	N.D.	N.D.
Butylbenzyl phthalate (BBP)	%	0.003	N.D.	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	%	0.003	N.D.	N.D.	N.D.	N.D.
Comment			Pass	Pass	Pass	Pass

Test Items	Unit	MDL	Result		
			No.5	No.6	No.7
Di-iso-nonyl phthalate (DINP)	%	0.01	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	%	0.003	N.D.	N.D.	N.D.
Di (2-ethyl hexyl)-phthalate (DEHP)	%	0.003	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	%	0.01	N.D.	N.D.	N.D.
Butylbenzyl phthalate (BBP)	%	0.003	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	%	0.003	N.D.	N.D.	N.D.
Comment			Pass	Pass	/

Requirement:

As required by the Consumer Product Safety Improvement Act 2008 (CPSIA), the requirement for Phthalates content in child care items and toys is summarized below:

Scope	Requirement
Any toys and child care articles	DEHP, BBP, DBP < 0.1% (individual)
Any toys that can be placed in a child's mouth and child care articles	DINP, DNOP, DIDP < 0.1% (individual)

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Test Part Description:

No.1: Yellow plastic

No.5: Blue plastic

No.2: Blue plastic

No.6: Transparent plastic

No.3: Black plastic

No.7: Red elastic+ yellow elastic+ blue elastic

No.4: Transparent plastic

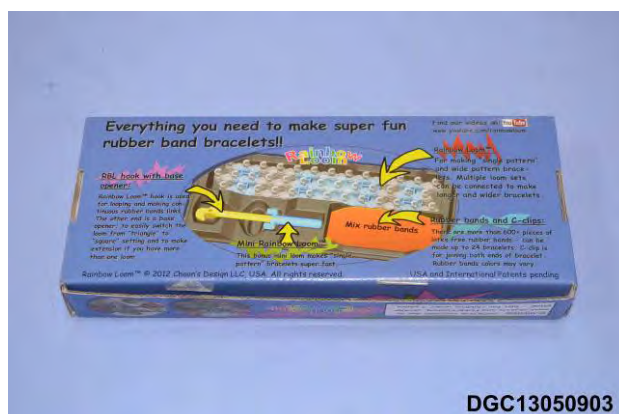
Note:

(1) mg/kg = ppm = 0.0001%; N.D.=Not Detected(<MDL);

(2) MDL = Method Detection Limit;

(3) This report instead of the original report of DGC13050903I01 and DGC13050903I06, and cancel the original report DGC13050903I02 and DGC13050903I05.

Photograph of sample(s):



End of Report

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