

Hong Kong Government Recognized Service Supplier  
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute  
American Society for Testing and Materials  
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

**Test Report**

Number: HKGH0151903604 S1

Applicant: KARIBU BABY LTD  
UNIT 12 18/F REAR BLOCK  
WAH FAT IND BLDG  
10-14 KUNG YIP ST  
KWAI CHUNG NT HK  
Attn: MS PANG / GARY

Date: Aug 07, 2013

*This is to supersede Report No.  
HKGH0151903604 dated Aug 07, 2013*

Sample Description:

Submitted samples said to be :  
Item Name

: **Karibu Folding Bath with three assorted colors:**

- Blue
- Pink
- Turquoise

Item No.  
Quantity  
Manufacturer  
Country of Origin

- : **PM3310**
- : Three pieces per color
- : Plastmetic (HK) Mfy Ltd.
- : China



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Tests conducted:

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

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To be continued

For and on behalf of :  
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung  
Vice President





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**Conclusion:**

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	Cadmium content requirement in Annex XVII Item 23 of the REACH Regulation (EC) No.1907/2006 & amendment No. 494/2011	Pass
	EN71-3 : 2013 for migration of certain elements	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 for total Lead content in non-surface coating materials (substrate)	Pass
	U.S. Code of Federal Regulations Title 16 CFR 1303 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 108 for Phthalate content	Pass
	Phthalates content requirement in Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC)	Pass

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For and on behalf of :  
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung  
Vice President



**Test Report**

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Tests Conducted

1 Cadmium (Cd) Content

As per Cadmium content requirement in Commission Regulation (EU) No. 494/2011 amending Annex XVII Item 23 of the REACH Regulation (EC) No. 1907/2006, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>
(1)	ND
(2/3/4)	ND
(5/6)	ND

Limit:

Category	Limit (%)
Wet paint	Not permitted
Surface coating	0.1
Plastic	0.01
Metal parts of jewelry & hair accessories	0.01

ND = Not detected (< 0.0005%)

Tested Components :

- (1) Black coating on plastic (warning of folding bath).
- (2) Blue plastic (body, grip and base of blue folding bath).
- (3) Pink plastic (body, grip and base of blue folding bath).
- (4) Turquoise plastic (body, grip and base of blue folding bath).
- (5) White plastic (body, leg of all folding bath).
- (6) Blue plastic (value of folding bath).

Date sample received : Jul 04, 2013

Testing period : Jul 04, 2013 to Jul 09, 2013

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**Test Report**

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Tests Conducted

2 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013

Category (III): Scraped-off toy material

Element	Result (mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Aluminium (Al)	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	47
Barium (Ba)	11	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2#	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	3.0	12
Zinc (Zn)	< 100	< 100	< 100	46000

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Tests Conducted

Element	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
Aluminium (Al)	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	46000

Remark : mg/kg = milligram per kilogram

- Organic tin test result was expressed as tributyl tin.

- Unless specified, determination of Chromium (III), Chromium (VI) and Organic tin was based on elemental analysis.

# = Confirmation of Chromium (VI) test was performed on the tested component.

Tested Components :

- (1) Black coating on plastic (warning of folding bath).
- (2) Blue plastic (body, grip and base of blue folding bath).
- (3) Pink plastic (body, grip and base of blue folding bath).
- (4) Turquoise plastic (body, grip and base of blue folding bath).
- (5) White plastic (body, leg of all folding bath).
- (6) Blue plastic (value of folding bath).

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(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III : Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date sample received : Jul 04, 2013  
Testing period : Jul 04, 2013 to Jul 09, 2013

3 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

As per Standard Operating Procedures for Determining Total Lead (Pb) in Children's Products, test methods CPSC-CH-E1002-08.1 and/or CPSC-CH-E1001.08.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit in ppm</u>
(1/2/3)	<20	100
(4/5)	<20	100

ppm = parts per million = mg/kg

Tested Components :

- (1) Blue plastic (body, grip and base of blue folding bath).
- (2) Pink plastic (body, grip and base of blue folding bath).
- (3) Turquoise plastic (body, grip and base of blue folding bath).
- (4) White plastic (body, leg of all folding bath).
- (5) Blue plastic (value of folding bath).

Date sample received : Jul 04, 2013  
Testing period : Jul 04, 2013 to Jul 09, 2013

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4 Total Lead (Pb) Content in Surface Coating

As per Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Result : <20 ppm

Limit : 90 ppm

ppm = parts per million = mg/kg

Tested Component : Black coating on plastic (warning of folding bath).

Date sample received : Jul 04, 2013

Testing period : Jul 04, 2013 to Jul 09, 2013

5 Phthalate Content Test

As per Standard Operating Procedure for Determining Phthalates, test method CPSC-CH-C1001-09.3 was used and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u>
	<u>(1)</u>	<u>(2/3/4)</u>	<u>(5/6)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	0.1
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1

Remark : The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

Tested Components :

- (1) Black coating on plastic (warning on folding bath).
- (2) Blue plastic (body, grip and base of blue folding bath).
- (3) Pink plastic (body, grip and base of blue folding bath).
- (4) Turquoise plastic (body, grip and base of blue folding bath).
- (5) White plastic (body, leg of all folding bath).
- (6) Blue plastic (valve of folding bath).

Date sample received : Jul 04, 2013

Testing period : Jul 04, 2013 to Jul 09, 2013

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Tests Conducted

6 Phthalate Content Test

With reference to EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u>
	<u>(1)</u>	<u>(2/3/4)</u>	<u>(5/6)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Remark : The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC) for phthalate content in toys and childcare articles.

Tested Components :

- (1) Black coating on plastic (warning on folding bath).
- (2) Blue plastic (body, grip and base of blue folding bath).
- (3) Pink plastic (body, grip and base of blue folding bath).
- (4) Turquoise plastic (body, grip and base of blue folding bath).
- (5) White plastic (body, leg of all folding bath).
- (6) Blue plastic (valve of folding bath).

Date sample received : Jul 04, 2013  
 Testing period : Jul 04, 2013 to Jul 09, 2013

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End of report

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To: PLASTMETIC (HONG KONG)  
MANUFACTORY LTD

Ref: FC-2013-7132

Attention: MS PANG / GARY

Date: Aug 08, 2013

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Re : Report Revision Notification

Intertek Testing Services Report Number HKGH0151903604 Dated Aug 07, 2013

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services report, HKGH0151903604 S1.

Thank you for your attention.

For and on behalf of :  
Intertek Testing Services HK Ltd.



Angel Y.F. Cheung  
Vice President