



珠海库摩饰品有限公司
CYMO ARTS (ZHUHAI) CO., LTD

Technical Report: (8814)141-0046(R1)
Date Received: May 21, 2014

May 28, 2014
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CYMO ARTS (ZHUHAI) CO., LTD
珠海市吉大南山工业区石花三巷 19 栋
NO.19, SHIHUA 3RD LANE, NANSHAN INDUSTRIAL
ESTATE, JIDA, ZHUHAI, CHINA.

Sample Description:	超轻粘土	Sample Size:	N/A
Vendor:	N/A	Style No(s):	N/A
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	N/A
Client Specified Age Grade:	3+	Assortment No.:	N/A
Grade:		Test Finished Date:	MAY 28, 2014
Tested Age Grade:	N/A		
UPC Code:	N/A		
Test Starting Date:	MAY 21, 2014		

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Spark Zhang
Senior Engineer, Analytical & Toys Lab

RT/MW

REMARK

If there are questions or concerns on this report, please contact the following persons:

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EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The BBP, DBP & DEHP content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates.
- The DNOP, DIDP & DINP content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates.
- The di(2-ethylhexyl) phthalate (DEHP) content requirement of ASTM F963-11, "Standard consumer safety specification for toy safety", section 4.3.8.
- The BBP, DBP and DEHP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 51.
- The DNOP, DINP and DIDP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 52.
- The migration of certain elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2013.
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Note: At the request of client, heavy metal test(s) was conducted on the certain component(s) of the submitted sample(s) / submitted component(s).



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RESULTS:

Phthalates Content in Children's Toys and Childcare Articles – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates - BBP / DBP / DEHP Content

Test Method : U.S. CPSC-CH-C1001-09.3

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Pink soft plastic	-	-

Test Parameter:	BBP	DBP	DEHP	-
Limit (%):	0.1	0.1	0.1	-

Test Item(s)	Result (%)			Conclusion
I001	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate DBP = Dibutyl phthalate DEHP = Di(2-ethylhexyl) phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005



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RESULTS:

Phthalates Content in Children's Toys and Childcare Articles – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates - DNOP / DINP / DIDP Content

Test Method : U.S. CPSC-CH-C1001-09.3

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Pink soft plastic	-	-

Test Parameter:	DNOP	DINP	DIDP	-
Limit (%):	0.1	0.1	0.1	-

Test Item(s)	Result (%)			Conclusion
I001	ND	ND	ND	PASS

Note / key:

DNOP = Di-n-octyl phthalate DINP = Di-iso-nonyl phthalate DIDP = Di-iso-decyl phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005



RESULTS:

Di(2-Ethylhexyl) Phthalate (DEHP) Content – ASTM International Standard ASTM F963-11, Section 4.3.8

Test Method : ASTM D3421-75 Standard recommended practice for extraction and analysis of plasticizer mixtures from vinyl chloride plastics.

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Pink soft plastic	-	-

Maximum Allowable Limit:	3%
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Test Item(s)	Result	Unit	Conclusion
	DEHP		
I001	ND	%	PASS

Note / key:

DEHP = Di(2-ethylhexyl) phthalate

ND = Not detected % = percent

10000 mg/kg = 1 %

mg/kg = milligram(s) per kilogram

Detection Limit (%) : 0.5



RESULTS:

BBP/DBP/DEHP Contents in Toys and Childcare Articles – European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 51

Test Method : Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Pink soft plastic	-	-

Test Parameter:	BBP	DBP	DEHP	SUM	-
Limit (%):	0.1 (Sum of three phthalates)				-
Test Item(s)	Result (%)				Conclusion
I001	ND	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate

DBP = Dibutyl phthalate

DEHP = Di(2-ethylhexyl) phthalate

ND = Not detected

% = percent

10000 mg/kg = 1 %

mg/kg = milligram(s) per kilogram

Detection Limit (%) : Each 0.005



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RESULTS:

DNOP/DINP/DIDP Contents in Toys and Childcare Articles which can be placed in the Mouth by the Children – European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 52

Test Method : Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Pink soft plastic	-	-

Test Parameter:	DIDP	DINP	DNOP	SUM	-
Limit (%):	0.1 (Sum of three phthalates)				-
Test Item(s)	Result (%)				Conclusion
I001	ND	ND	ND	ND	PASS

Note / key:

DNOP = Di-n-octyl phthalate DINP = Di-iso-nonyl phthalate DIDP = Di-iso-decyl phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005



RESULTS:

Migration of Certain Elements – European Standard EN 71 Part 3: 2013

Test Method: European Standard EN 71 Part 3: 2013, Annex E.

Class: Category III - Scraped off toy material

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Pink soft plastic	-	-

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I001	-	-	-
Aluminium (Al)	70000	LT 2			
Arsenic (As)	47	LT 2			
Boron (B)	15000	LT 2			
Barium (Ba)	18750	LT 2			
Cadmium (Cd)	17	LT 2			
Cobalt (Co)	130	LT 2			
Chromium III (Cr III)	460	LT 0.15			
Chromium VI (Cr VI)	0.2				
Copper (Cu)	7700	LT 2			
Mercury (Hg)	94	LT 2			
Manganese (Mn)	15000	LT 2			
Nickel (Ni)	930	LT 2			
Lead (Pb)	160	LT 2			
Antimony (Sb)	560	LT 2			
Selenium (Se)	460	LT 2			
Tin (Sn)	180000	LT 2			
Organic tin	12	LT 2			
Strontium (Sr)	56000	LT 2			
Zinc (Zn)	46000	LT 2			
Mass of trace amount (gram)		-			
Conclusion		PASS	-	-	-



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RESULTS:

mg/kg = milligrams per kilogram (ppm=parts per million) LT = Less Than

* = Average of duplicate analysis

Organic tin = migration of total organic tin is expressed as tributyl tin cation content in mg/kg

= Verified results (see note)

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: In house Ion-chromatography analysis
- Organic tin: EN71 part 3:2013, Annex G by Gas Chromatography – Mass Spectroscopy analysis.



**BUREAU
VERITAS**

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RESULTS:



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END OF REPORT