



**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

Technical Report: (8516)179-0855(A)
Date Received: June 27, 2016

July 07, 2016
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NOBUKO SARL
5 RUE TRONFOU 01700 ST MAURICE
DE BEYNOST FRANCE

Sample Description:	TOYS(PUZZLE MAT) 1.) MICKEY CLUBHOUSE GREEN 2.) MICKEY CLUBHOUSE 3.) FROZEN 2/S 4.) FROZEN 5.) PRINCESAS DISNEY 6.) PRINCESAS DISNEY 7.) MINNIE BOWTIQUE	Sample Size:	7
Vendor:	GUANG DONG FAIRNESS ENTERPRISE CO LTD	Style No(s):	TMK9D.3, TMK9D, TFR9D.2, TFR9D.3, TP9D.2, TP9D, DY.S0.9M1-32.10
Manufacturer:	GUANG DONG FAIRNESS ENTERPRISE CO LTD	SKN/SKU No.:	N/A
Buyer:	NOBUKO SARL	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	CHINA
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	OVER 10 MONTHS OF AGE		
UPC Code:	N/A		

EXECUTIVE SUMMARY:

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

- 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.

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EXECUTIVE SUMMARY:

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

- The cadmium content requirement 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. 23 (amended up to EU No. 2016/217).
- Formamide Content in Ethylene Vinyl Acetate (EVA) Foam - French Arrêté of 26 October 2015 on Placing on the Market of Toy Foam "Puzzle Mats" containing Formamide

BUREAU VERITAS SHENZHEN CO.,LTD

Choy Hon Kwong, Adams
Senior Manager
Analytical Department

AC/zk



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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 Liquid Chromatograph Mass Spectrometer / Gas Chromatograph Mass Spectrometer.

Sample Identity	Test Component	Location	Style
A.	Multi color printed white foam	Puzzle mat	1-7

Test Parameter:	BBP	DBP	DEHP	Sum of three phthalates	
Limit (%):	0.1	0.1	0.1	0.1	
Sample	Result (%)				Conclusion
A.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass

Detection Limit :

BBP = Butyl benzyl phthalate (0.005%)

DBP = Dibutyl phthalate (0.005%)

DEHP = Di(2-ethylhexyl) phthalate (0.005%)

Results reported in percentage

LT = Less than

ND = None detected



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RESULTS:

DNOP/DINP/DIDP CONTENTS IN TOYS AND CHILDCARE ARTICLES WHICH CAN BE PLACED IN 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 Liquid Chromatograph Mass Spectrometer / Gas Chromatograph Mass Spectrometer.

Sample Identity	Test Component	Location	Style
A.	Multi color printed white foam	Puzzle mat	1-7

Test Parameter:	DNOP	DINP	DIDP	Sum of three phthalates	
Limit (%):	0.1	0.1	0.1	0.1	
Sample	Result (%)				Conclusion
A.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass

Detection Limit :

DNOP = Di-n-octyl phthalate (0.005%)
 DINP = Di-iso-nonyl phthalate (0.005%)
 DIDP = Di-iso-decyl phthalate (0.005%)

Results reported in percentage
 LT = Less than
 ND = None detected



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RESULTS:

CADMIUM CONTENT (European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 23)

Category:			Plastics			
Element:			Cadmium			
Test Method			BS EN 1122: 2001, Method B			
Maximum Allowable Limit:			100 mg/kg (0.01% by weight)			
Sample Description			Reading 1	Reading 2	Average	Conclusion
Color / Component	Location	Style	Result (mg/kg)			
(A) Multi color printed white foam	Puzzle mat		LT 10	LT 10	LT 10	Pass

LT = Less than

= Insufficient sample for duplicate analyses

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

Operator: Tsang lut wai Philip



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TEST RESULT

Formamide Content in Ethylene Vinyl Acetate (EVA) Foam - French Arrêté of 26 October 2015 on Placing on the Market of Toy Foam "Puzzle Mats" containing Formamide

Test Method : With reference to French Arrêté of 20 July 2011, Annex, Part A.

Maximum Allowable Limit :	200 mg/kg		
Test Item(s)	Result	Unit	Conclusion
1	13.2	mg/kg	PASS

ITEM 1: Off white foam with multi-color print (all puzzle mats)

Note / Key :

ND = Not detected

">" = Greater than

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

Detection Limit (mg/kg) : 20



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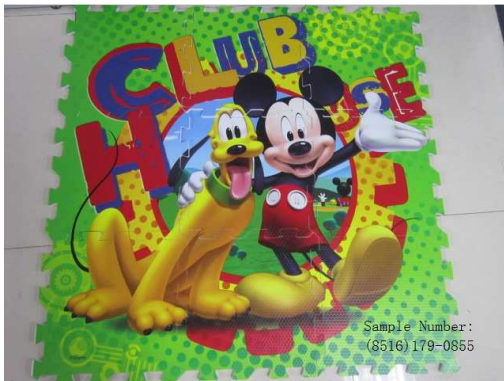
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RESULTS:





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RESULTS:

