

Test Report No.:

Z118031403

FUJIAN EHOME-GIFTS MANUFACTURING CO., LTD R2021, 27/F, China Tower, North Bldg, No162 Wusi Rd, Fuzhou, Fujian, China.

Test item(s):

3 PVC materials

PVC BAR MAT, COLOR: BLACK Identification/ Model No(s):

Test specification:

Sample Receiving date: Mar. 30th 2011

Delivery condition: Apparent good, Samples tested as received

Total Cadmium Content according to REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 23 (formerly known as 91/338/EEC)

BBP, DBP, DEHP content and DNOP, DINP, DIDP content according to REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 51 & 52 respectively (formerly known as 2005/84/EC)

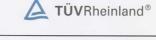
Other Information:

PASS

For and on behalf of TÜV Rheinland (Shenzhen) Co., Ltd.

Joby Sun. Apr. 02nd 2011 Joby Sun / Project Chemist

TÜV Rheinland (Shenzhen) Co. Ltd. - Industrial Products Testing Center - Unit 28&6B&6C - 2nd Bu 7th High-tech South Avenue - High-tech Industrial Park - 518057 Shenzhen - P.R.China Tel.: (86) 755 8268 1188 Ext: 1522 - Fax: (86) 755 2803 7102 - Mail: <u>Toys-chem-sz@sz-chen</u>



Test Report No.: Z118031403 Material list

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Material No. Material

1	PVC	Black	PVC bar mat	
2	PVC	Blue	PVC bar mat	
3	PVC	White	PVC bar mat	
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Total Cadmi	um Content			

Color

Test method: For plastic: EN1122: 2001 method B (QMA 36.006.101 SZ)

For other material: sample digested with acid and determined by AAS (QMA 36.006.139 SZ) $\,$

Testing Period: Mar. 30th 2011 – Apr. 01st 2011

		+ C	admium Content (mg/l	(g)
			MDL: 10 mg/kg	
Test No.	Material No.	Trial 1	Trial 2	Average
1	1+2+3	n.d.	n.d.	n.d.

n.d. = Not Detected (< MDL) MDL = Method Detection Limit mg/kg denotes milligram per kilogram

*1. Regulations on Cadmium

		Maximum Permissible Limit		
Country	Legislation	Paint, plastic, plating/coating of surface treatment	Paint (high zinc content)	
EC	REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 23 (formerly known as 91/338/EEC)	100mg/kg	1000mg/kg	



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Test Report No.: Z118031403 Phthalates content Organic solvent extraction, analyzed by GCMS (QMA 36.006.120 SZ)

Testing period: Mar. 30th 2011 – Apr. 01st 2011

Test result Test No.
Material No.
MDL

CAS No. Unit

Diethylhexyl phthalate (DEHP) 117-81-7	%	0.005	0.009	0.018	0.017
Sum (DBP+BBP+I	DEHP)	%	NA	0.009	0.018	0.017
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	n.d.	n.d.	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	n.d.	n.d.	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	* 0.005	n.d.	n.d.	n.d.
Sum (DNOP+DIDE	P+DINP)	%	NA	n.d.	n.d.	n.d.
Summary		%	NA	pass	pass	pass

*1. Single components with an amount of <0.005% were not considered by the calculation of the sum In the case of all 6 Phthalates were not detected, the result is stated n.d.

- *2. Requirement according to BBP, DBP and DEHP content requirements of REACH regulation (EC) No. 1997/2006 and amendment no. 552/2009 Annex XVII Item 51 (formerly known as 2005/84/EC) and DNOP; DINP and DIPD content requirements of REACH regulation (EC) No. 1997/2006 and amendn no. 552/2009 Annex XVII Item 52 (formerly known as 2005/84/EC) are summarized as below.
- A. For toys and childcare articles:
 Parameter
 Dibutyl phthalate (DBP)
 Butyl benzyl phthalate (BBP)
 Di-2-ethylhexyl phthalate (DEHP)

Sum	, A	%	0.1	
Additional requirements for toys	s and childe	care articles, which o	an be placed in mouth by the ch	
Di-n-octyl phthalate (DNOP)		%	-	
Di-iso-decyl phthalate (DIDP)		%	- (Shenza	
Di-iso-nonyl phthalate (DINP)		%	- (SA)	1

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Sample photo:

