

Test Report No.: Z118031403

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Client: 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

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

Sample Receiving date: Mar. 30th 2011

Delivery condition: Apparent good. Samples tested as received

Test specification:

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:

Test result:

PASS

PASS

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

Apr. 02nd 2011 Joby Sun / Project Chemist

Date

Name/Position

This result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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Material list

Material No.	Material	Color	Location
1	PVC	Black	PVC bar mat
2	PVC	Blue	PVC bar mat
3	PVC	White	PVC bar mat

Total Cadmium Content

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

Test result

Test No.	Material No.	Cadmium Content (mg/kg)		
		Trial 1	Trial 2	Average
1	1+2+3	n.d.	n.d.	n.d.

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

Remark:

*1. Regulations on Cadmium

Country	Legislation	Maximum Permissible Limit	
		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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Phthalates content

Test method: Organic solvent extraction, analyzed by GCMS (QMA 36.006.120 SZ)

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

Test result

Parameter	CAS No.	Unit	MDL	Test No.	1	2	3
				Material No.	1	2	3
Dibutyl phthalate (DBP)	84-74-2	%	0.005	n.d.	n.d.	n.d.	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	n.d.	n.d.	n.d.	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	0.009	0.018	0.017	0.017
Sum (DBP+BBP+DEHP)		%	NA	0.009	0.018	0.017	0.017
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	n.d.	n.d.	n.d.	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	n.d.	n.d.	n.d.	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	n.d.	n.d.	n.d.	n.d.
Sum (DNOP+DIDP+DINP)		%	NA	n.d.	n.d.	n.d.	n.d.
Summary		%	NA	pass	pass	pass	pass

Abbreviation: n.d. = Not Detected (< MDL)
MDL = Method Detection Limit
NA = Not Applicable
% denotes percentage

Remark:

*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. 1907/2006 and amendment no. 552/2009 Annex XVII Item 51 (formerly known as 2005/84/EC) and DNOP, DINP and DIDP content requirements of REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 52 (formerly known as 2005/84/EC) are summarized as below.

A. For toys and childcare articles:

Parameter	Unit	Maximum Allowable Limit
Dibutyl phthalate (DBP)	%	--
Butyl benzyl phthalate (BBP)	%	--
Di-2-ethylhexyl phthalate (DEHP)	%	--
Sum	%	0.1

B. Additional requirements for toys and childcare articles, which can be put in mouth by the children:

Parameter	Unit	Maximum Allowable Limit
Di-n-octyl phthalate (DNOP)	%	--
Di-iso-decyl phthalate (DIDP)	%	--
Di-iso-nonyl phthalate (DINP)	%	--
Sum	%	0.1

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Sample photo:



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