

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No : HY/2016/30179

Page : 1 of 3

Date : 2016/03/25

Magmate Taiwan Ltd.

No. 333, Sec. Minsheng North Road, Guei Shan Shiang, Taoyuan Hsien, 33393, Taiwan

The following merchandise was submitted & identified by the applicant as:

Type of Product: Permanent Flexible Magnet
Style/Item No: MR-939/MR-950
Country of Origin: Taiwan
Date of Sample received: 2016/03/16
Test Performing Period: 2016/03/17 – 03/24

We have tested the submitted sample(s) as requested and the following results were obtained:**Test Requested**

EN 71-3: 2013+A1:2014- Migration of Certain Elements

Test methods / Results

- Please see the next page(s)

**Signed for and on behalf of
SGS Taiwan Ltd.**
Iris Huang
Asst. Manager

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested

SGS Taiwan Ltd. No.127, Wu Kung Road, New Taipei Industrial Park, New Taipei City, Taiwan / 新北市新北產業園區五工路 127 號
台灣檢驗科技股份有限公司 t (886-2) 2299-3279 f (886-2) 2299-2920 www.tw.sgs.com

Member of SGS Group

● P: 1300 851 033 ● F: 1300 658 889 ● graphics@hvg.net.au ● www.hvggraphics.com.au

Test Methods / Results

European Standard - Safety of Toys : EN 71 Part 3: 2013+A1:2014 - Migration of Certain Element

Category III: Scrapped-off toy material

Method: With reference to EN 71 Part 3:2013+A1:2014. Analysis was performed by ICP-AES.

Extractable Organic Tin was analyzed by GC-MS. Extractable Chromium III & Chromium VI were analyzed by LC-ICP-MS.

Test Items		Result(mg/kg)	MDL (mg/kg)	Limit (mg/kg)
		1		
Soluble Aluminum	(Al)	N.D.	50	70,000
Soluble Antimony	(Sb)	N.D.	10	560
Soluble Arsenic	(As)	N.D.	10	47
Soluble Barium	(Ba)	N.D.	50	18,750
Soluble Boron	(B)	N.D.	50	15,000
Soluble Cadmium	(Cd)	N.D.	5	17
Soluble Cobalt	(Co)	N.D.	10	130
Soluble Copper	(Cu)	N.D.	50	7,700
Soluble Lead	(Pb)	N.D.	10	160
Soluble Manganese	(Mn)	N.D.	50	15,000
Soluble Mercury	(Hg)	N.D.	10	94
Soluble Nickel	(Ni)	N.D.	10	930
Soluble Selenium	(Se)	N.D.	10	460
Soluble Strontium	(Sr)	672	50	56,000
Soluble Tin	(Sn)	N.D.	4.9	180,000
Soluble Zinc	(Zn)	N.D.	50	46,000
Soluble Chromium (III)	(Cr (III))	N.D.	1	460
Soluble Chromium (VI)	(Cr (VI))	N.D.	0.18	0.2
Soluble Organic Tin [#]	--	N.D.	--	12

Remark: #

Test Items		Soluble Organic Tin Result(s)	MDL (mg/kg)
		1	
Methyl tin	(MeT)	N.D.	0.5
Di-n-propyl tin	(DProT)	N.D.	0.5
Butyl tin	(BuT)	N.D.	0.5
Dibutyl tin	(DBT)	N.D.	0.5
Tributyl tin	(TBT)	N.D.	0.5
n-Octyl tin	(MOT)	N.D.	0.5
Tetrabutyl tin	(TeBT)	N.D.	0.5
Di-n-octyl tin	(DOT)	N.D.	0.5
Diphenyl tin	(DPhT)	N.D.	0.5
Triphenyl tin	(TPhT)	N.D.	0.5

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

SGS Taiwan Ltd. No.127, Wu Kung Road, New Taipei Industrial Park, New Taipei City, Taiwan / 新北市新北產業園區五工路 127 號
 台灣檢驗科技股份有限公司 t (886-2) 2299-3279 f (886-2) 2299-2920 www.tw.sgs.com

Member of SGS Group

 • P: 1300 851 033 • F: 1300 658 889 • graphics@hvg.net.au • www.hvggraphics.com.au

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No : HY/2016/30179

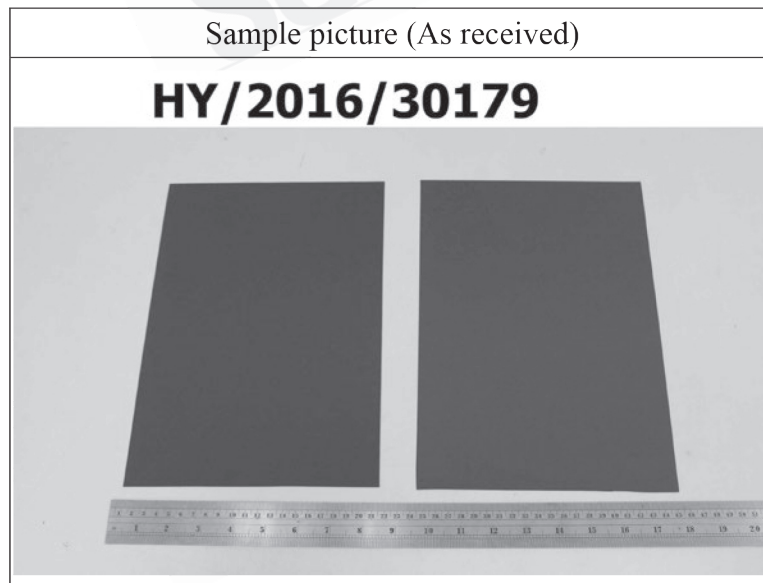
Page : 3 of 3

Description:

1. Black soft plastic of sample.

NOTE:

1. mg/kg = ppm
2. N.D. = Not Detected
3. MDL =Method Detection Limit
4. "--" =Not Conducted
5. The chemical analysis was conducted in SGS Taiwan Ltd. Chemical Laboratory-Taipei



** End of Report **

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested