

Test Report

Number: GZHH0030671501

Applicant:

Date: Jan 03, 2019

Sample Description:

One (1) set of submitted sample said to be :
Item Name : **Magnetic Whiteboard**
Reference No. :
Manufacturer :
Country of Destination : Germany
Country of Origin : China



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines

Ben N.L. Lin
General Manager



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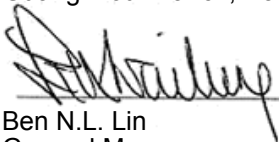
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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted sample set	94/62/EC and amendment 2004/12/EC & 2005/20/EC & 2013/2/EU & (EU) 2015/720 Directive (packaging waste) on toxic elements test	See Comment
	Phthalates content requirement in Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 (formerly known as Directive 2005/84/EC)	See Comment
	Nickel release requirement in Annex XVII Item 27 of the REACH Regulation (EC) No. 1907/2006 & amendment No.552/2009 (formerly known as Directive 94/27/EC and 2004/96/EC)	Pass
	<u>Test Item</u> Formamide content	See test conducted 4

Comment: The testing scope of the standard was not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

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General Manager



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Tests Conducted

1 Toxic Elements Analysis

As per 94/62/EC and amendment 2004/12/EC & 2005/20/EC & 2013/2/EU & (EU) 2015/720 Directive on packaging and packaging waste, Hexavalent Chromium was used alkaline digestion method and determined by UV-Visible Spectrophotometry; Lead, Cadmium and Mercury was used acid digestion method and determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)				Reporting limit (ppm)	Limit (ppm)
	Tested component					
	(1)to(6)	(7)	(8)to(9)	(10)		
Lead (Pb)	ND	32	ND	57	5	--
Cadmium (Cd)	ND	ND	ND	ND	5	--
Mercury (Hg)	ND	ND	ND	ND	5	--
Chromium VI (Cr (VI))	ND	ND	ND	ND	1	--
Sum of Pb, Cd, Hg and Cr (VI)	ND	32	ND	57	--	100

ppm = part per million = mg/kg
 ND = Not detected (less than reporting limit)

Tested components: See component list in the last section of this report

Date sample received: Dec 07, 2018
 Testing period: Dec 07, 2018 to Dec 13, 2018

2 Phthalate Content

With reference to EN 14372:2004, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

For 6 phthalate

Test Item	CAS No.	Result (%)		Reporting Limit (%)	Limit (%)
		Tested component			
		(6), (7)			
Dibutyl phthalate (DBP)	84-74-2	ND		0.01	--
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND		0.01	--
Benzyl butyl phthalate (BBP)	85-68-7	ND		0.01	---
Sum of DBP,DEHP and BBP	--	ND		--	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND		0.01	--
Di-n-octyl phthalate(DNOP)	117-84-0	ND		0.01	--
Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND		0.01	--
Sum of DINP, DNOP and DIDP	--	ND		--	0.1



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The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009(formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.

ND = Not detected (less than reporting limit)

Tested Component(s): See component list in the last section of this report

Date sample received: Dec 07, 2018
Testing period: Dec 07, 2018 to Dec 12, 2018

3 Release of Nickel for Coated Item

As per test method EN 12472: 2005 + A1: 2009 and EN 1811: 2011+A1: 2015, and followed by Inductively Coupled Argon Plasma Spectrometry analysis.

<u>Tested Component /Sample</u>	<u>Trial</u>	<u>Sample Area (cm²)</u>	<u>Volume of Test Solution (ml)</u>	<u>Result # (µg/cm²/week)</u>
(10)	1	27.0	27.0	ND
	2	27.0	27.0	ND
	3	27.0	27.0	ND
(11)	1	11.5	11.5	ND
	2	11.5	11.5	ND
	3	11.5	11.5	ND

Limit = 0.5 µg/cm²/week

= The compliance decision is pass based on EN 1811: 2011+A1: 2015 when the result less than 0.88µg/cm²/week

ND = Not detected
Reporting limit = 0.05 µg/cm²/week

Tested component (s): See component list in the last section of this report

Date sample received: Dec 07, 2018
Testing period: Dec 07, 2018 to Dec 17, 2018



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Tests Conducted

4 Formamide Content

By solvent extraction, followed by Gas Chromatographic – Mass Spectrometric (GC-MS) analysis.

Test item	CAS No	Result (mg/kg)	Reporting limit (mg/kg)
		Tested component (6+7)	
Formamide	75-12-7	ND	2

ND = Not detected(less than reporting limit)

Tested Component(s): See component list in the last section of this report

Date sample received: Dec 07, 2018
Testing period: Dec 07, 2018 to Dec 11, 2018

Component list:

- (1) White coating on metal (surface of board).
- (2) Grey plastic (corner of frame).
- (3) Red plastic (body of holder of red style).
- (4) Black plastic (body of holder of black style).
- (5) Blue plastic (body of holder of blue style).
- (6) Blue foam (body of eraser).
- (7) Black foam (interlayer of eraser).
- (8) Black magnet (base of holder of all styles).
- (9) Silver color metal excluding coating (board).
- (10) Silver color metal (frame).
- (11) Silver color metal sheet (back of board).

End of report

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