

Test Report

No. 2095161/EC

Date : Jan 02 2009

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MATRIX SOURCE LTD. 1/F, YUE THAI COMMERCIAL BUILDING 128 CONNAUGHT ROAD, CENTRAL, HONG KONG

The following sample was submitted and identified on behalf of the client as RACE $\ensuremath{\mathsf{PIN}}$

	of Origin of Origin of Destination receipt		1235353 RACE PIN MATRIXSOURCE CHINA USA DEC 22 2008 DEC 22 - 31 2008
Test Re	quested :	(1)	To determine the total lead content in the submitted sample.
		(2)	To determine total lead, cadmium, mercury and hexavalent chromium content in the submitted packaging samples as specified in US CONEG Model Toxic Legislation.
Test Me	thod :	(1)	With reference to EPA Method 3051A/ 3052. Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES). With reference to IEC 62321/ 2 nd CDV (111/95/CDV) for metal sample. Analysis was performed by ICP/ AAS.
		(2)	With reference to SGS in-house Method – CONEG4E. Analysis was performed by Atomic Absorption Spectrometry or Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES).
Test Re	sults :		Please refer to next Page
Conclus	ion :	(2)	The Total Lead, Cadmium, Mercury and Hexavalent Chromium Content in the submitted packaging samples comply with the Limit of US CONEG Model Toxic Legislation that effective from 1994 of New York, Iowa & Maine and 1995 of Minnesota, Washington & Vermont and 1996 of New

Signed for and on behalf of SGS Hong Kong Ltd

Hui Ying Ngai, Alex Section Manager

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Hampshire, Rhode Island, Wisconsin & Connecticut..

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS Hong Kong Ltd. 5/F - 8/F & 28/F -29/F, Metropole Square, 2 On Yiu Street, Siu Lek Yuen, Shatin, N.T., Hong Kong. t (852) 2334 4481-9 f (852) 2764 3126 www.hk.sgs.com



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Test Result:								
(1)								
<u>Element</u> <u>1</u> Lead (Pb) Content 14		<u>2</u> 18	<u>3</u> 64	<u>MDL</u> 5 ppm				
Note : (1) mg/kg = ppm; 0.1% = 1000 ppm (2) MDL = Method Detection Limit (3) n.d. = Not Detected (Less than MDL)								
(2)								
Individual Sample								
Test Item			<u>4</u>					
Lead (Pb)		< 5						
Hexavalent Chromium (Cr		<10						
Cadmium (Cd)		< 5						
Mercury (Hg)		<u><10</u>						
Total (Pb + Cd + Cr VI + Hg)			< 30					

100

The unit of results is part per million (ppm).

Note : < = Less than

Remark

Total Limit

: The limit is set in legislation by the following states, Connecticut, New York, Iowa, Rhode Island, Maine, Vermont, New Hampshire, Wisconsin, Washington and Minnesota.

Sample Description:

- 1. Transparent Plastic w/ Blue and Pink Plastic (Surface)
- 2. Metal w/ Silvery Plating (Base: Coppery Metal) (Metal Plate)
- 3. Metal w/ Silvery Plating (Base: Coppery Metal) (Pin Holder)
- 4. Transparent Plastic

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Sample photo :



2095161/EC (Item 2)



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Sample photo :





SGS authenticate the photo on original report only

End of Report

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