



Test Report

Number: SZHH00571477

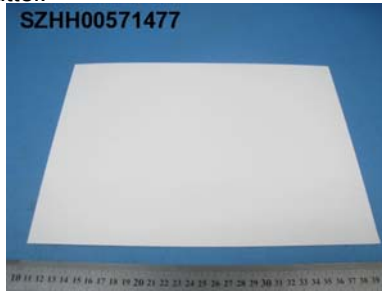
Applicant: PT.INDAH KIAT PULP&PAPER TBK.
JI.RAYA SERANG KM.76,KRAGILAN,KAB.
SERANG 42184,BANTEN-INDONESIA

Date: Mar 21, 2011

Attn: RUDI HERYADI SUKARSA

Sample Description:

One (1) submitted sample said to be **White Paper**.
Reference No. : SAVVICOAT.
Production : 2011 years.
Buyer : Mattel.



Tests conducted:

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

To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Ben N.L. Lin
General Manager



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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted sample	Mattel QSOP No. 0006-3600 rev. U clause 2.3.3 for heavy elements test	Pass
	Mattel Environmental Operating Procedure #0006-5000 rev. C for heavy elements test	Pass
	Mattel QSOP No. 0006-3610 Rev.Z on phthalate content	See Comment
	Mattel QSOP No.0006-3618 Rev. F "Formaldehyde"	Pass

Comment:

The testing scope of the standard was not applicable to the tested sample. However the result did not exceed the limit of the standard.

This report is exclusive for Mattel program. any other unauthorised usage of this report is strictly prohibited due to the grounds that the testing results are privileged and proprietary assets of Mattel.

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



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Tests Conducted

1 Heavy Elements Analysis

As per Mattel Quality and Safety Operating Procedure No. 0006-3600 rev. U clause 2.3.3, acid digestion method was used and heavy elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

Total Elements Content

	<u>Result (ppm)</u>	<u>Limit (ppm)</u>	
		<u>Tot.</u>	<u>Soluble method 1</u>
Tot. Barium (Ba)	<5	--	500
Tot. Lead (Pb)	<5	90	90
Tot. Cadmium (Cd)	<5	75	75
Tot. Antimony (Sb)	<5	--	60
Tot. Selenium (Se)	<5	--	300
Tot. Chromium (Cr)	<5	--	60
Tot. Mercury (Hg)	<5	--	60
Tot. Arsenic (As)	<5	--	25

ppm = parts per million
Tot. = Total
< = Less than

Tested sample : White paper card.

Date sample received : Mar 14, 2011
Testing period : Mar 14, 2011 to Mar 16, 2011



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Tests Conducted

2 Heavy Elements Analysis

As per Mattel Environmental Operating Procedure No. 0006-5000 Rev. C for packaging materials, acid digestion method was used and heavy elements content were determined by Inductively Coupled Argon Plasma Spectrometry, and Hexavalent Chromium content was determined by UV-Visible Spectrophotometry.

	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
Lead (Pb)	<5	--
Cadmium (Cd)	<5	--
Mercury (Hg)	<5	--
Chromium VI (Cr (VI))	<1	--
Total	<16	100

The total sum of Pb, Cd, Hg & Cr (VI) in entire package (not including carton box) :

Result :

Limit : 100 ppm

ppm = part per million
< = Less than

Tested sample : White paper card.

Date sample received : Mar 14, 2011
Testing period : Mar 14, 2011 to Mar 16, 2011



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3 Phthalate Content Test

As per Mattel Quality and Safety Operating Procedure No. 0006-3610 Rev. Z and with reference to CPSC-CH-C1001-09.2, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

For accessible materials

	<u>Result (% , w/w)</u>	<u>Mattel's requirement (% ,w/w)</u>
Dibutyl phthalate (DBP)	<0.01	
Di-(2-ethyl hexyl) phthalate (DEHP)	<0.01	
Benzylbutyl phthalate (BBP)	<0.01	
Sum of three phthalates :	<0.01	0.1

	<u>Result (% , w/w)</u>	<u>Mattel's requirement (% , w/w)</u>
Di-(iso-nonyl) phthalate (DINP)	<0.01	
Di-(n-octyl) phthalate (DNOP)	<0.01	
Di-iso-decyl phthalate (DIDP)	<0.01	
Sum of three phthalates :	<0.01	0.1

	<u>Result (% , w/w)</u>	<u>Mattel's requirement (% ,w/w)</u>
Di-n-hexyl phthalate (DnHP)	<0.01	0.1

Detection limit = 0.01% (w/w)
< = Less than

Tested sample : White paper card.

Date sample received : Mar 14, 2011
Testing period : Mar 14, 2011 to Mar 16, 2011

4 Free Formaldehyde Content (Paper)

As per Mattel Quality and Safety Operating Procedure No.0006-3618 Rev.F & EN 1541 and EN 645.

<u>Result (mg/kg)</u>	<u>Client's Requirement (mg/kg)</u>
12	30

mg/kg=milligram per kilogram

Date sample received : Mar 14, 2011
Testing period : Mar 14, 2011 to Mar 17, 2011

End of report