



**TEST REPORT**

NUMBER: SZHH00466066

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

DATE: Mar 18, 2010

ATTN: RUDI HERYADI SUKARSA

**SAMPLE DESCRIPTION:**

TEN (10) PIECES OF SUBMITTED SAMPLE SAID TO BE **WHITE PAPER CARD**.

ITEM NAME : **SINARVANDA.**

BUYER : **MATTEL.**



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**TESTS CONDUCTED:**

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

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TO BE CONTINUED

AUTHORIZED BY:  
FOR INTERTEK TESTING SERVICES  
SHENZHEN LTD.



KARBON M.Y. WU  
GENERAL MANAGER



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CONCLUSION:

<u>TESTED SAMPLES</u> SUBMITTED SAMPLES	<u>STANDARD-</u> MATTEL QSOP NO. 0006-3600 REV. R CLAUSE 2.7 FOR HEAVY ELEMENTS TEST	<u>RESULT</u> PASS
	MATTEL QSOP NO. 0006-3610 REV.Y ON PHTHALATE CONTENT	SEE REMARK #
	MATTEL QSOP NO.0006-3618 REV. E "FORMALDEHYDE"	PASS
	MATTEL ENVIRONMENTAL OPERATING PROCEDURE #0006-5000 REV. C FOR HEAVY ELEMENTS TEST	PASS

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# = THE TESTING SCOPE OF THE STANDARD WAS NOT APPLICABLE TO THE TESTED SAMPLE.  
HOWEVER THE RESULT DID NOT EXCEED THE LIMIT OF THE STANDARD.

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1 HEAVY ELEMENTS ANALYSIS

AS PER MATTEL QUALITY AND SAFETY OPERATING PROCEDURE NO. 0006-3600 REV. R CLAUSE 2.7, 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	200	90
TOT. CADMIUM (Cd)	<5	--	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

DATE SAMPLE RECEIVED : MAR 11, 2010  
TESTING PERIOD : MAR 11, 2010 TO MAR 15, 2010

2 PHTHALATE CONTENT

AS PER MATTEL QUALITY AND SAFETY OPERATING PROCEDURE NO. 0006-3610 REV. Y 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	
DIETHYL HEXYL PHTHALATE (DEHP)	<0.01	
BENZYL BUTYL 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

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REMARK : DETECTION LIMIT = 0.01% (w/w)  
< = LESS THAN

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TESTING PERIOD : MAR 11, 2010 TO MAR 15, 2010

3 FREE FORMALDEHYDE CONTENT (PAPER)

AS PER MATTEL QUALITY AND SAFETY OPERATING PROCEDURE NO.0006-3618 REV.E & ISO EN 1541 AND EN 645.

RESULT : LESS THAN 5 ppm

REQUIREMENT : 30 ppm

REMARK : ppm = PARTS PER MILLION = mg/kg

DATE SAMPLE RECEIVED : MAR 11, 2010  
TESTING PERIOD : MAR 11, 2010 TO MAR 16, 2010

4 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 IN 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 = PARTS PER MILLION  
< = LESS THAN

DATE SAMPLE RECEIVED : MAR 11, 2010  
TESTING PERIOD : MAR 11, 2010 TO MAR 15, 2010

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TESTS CONDUCTED

(I) SVHC SCREENING ANALYSIS:

BY A COMBINATION OF X-RAY FLUORESCENCE SPECTROSCOPY, INDUCTIVELY COUPLED ARGON PLASMA SPECTROMETRY, GAS CHROMATOGRAPHIC - MASS SPECTROMETRY, HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND LIQUID CHROMATOGRPHIC - MASS SPECTROMETRY TECHNIQUES.

RESULTS OF 29 SVHC

CHEMICAL SUBSTANCE	RESULT (w/w)
COBALT DICHLORIDE #	<0.02%
DIARSENIC PENTAOXIDE #	<0.02%
DIARSENIC TRIOXIDE #	<0.02%
LEAD HYDROGEN ARSENATE #	<0.02%
TRIETHYL ARSENATE #	<0.02%
SODIUM DICHROMATE #	<0.02%
BIS (TRIBUTYLTIN) OXIDE	<0.02%
ANTHRACENE	<0.02%
4,4-DIAMINODIPHENYLMETHANE	<0.02%
HEXABROMOCYCLODODECANE (HBCDD)	<0.02%
5-TERT-BUTYL-2,4,6-TRINITRO-m-XYLENE (MUSK XYLENE)	<0.02%
BIS (2-ETHYLHEXYL) PHTHALATE (DEHP)	<0.02%
DIBUTYL PHTHALATE (DBP)	<0.02%
BENZYL BUTYL PHTHALATE (BBP)	<0.02%
SHORT CHAIN CHLORINATED PARAFFINS (C <sub>10-13</sub> )	<0.02%
ALUMINOSILICATE, REFRACTORY CERAMIC FIBRES #	<0.02%
ZIRCONIA ALUMINOSILICATE, REFRACTORY CERAMIC FIBRES #	<0.02%
LEAD CHROMATE #	<0.02%
LEAD CHROMATE MOLYBDATE SULFATE RED (C.I. PIGMENT RED 104) #	<0.02%
LEAD SULFOCHROMATE YELLOW (C.I. PIGMENT YELLOW 34) #	<0.02%
TRIS (2-CHLOROETHYL) PHOSPHATE	<0.02%
2,4-DINITROTOLUENE	<0.02%
DIISOBUTYL PHTHALATE (DIBP)	<0.02%
COAL TAR PITCH, HIGH TEMPERATURE	<0.02%
ANTHRACENE OIL	<0.02%
ANTHRACENE OIL, ANTHRACENE PASTE, DISTN. LIGHTS	<0.02%
ANTHRACENE OIL, ANTHRACENE PASTE, ANTHRACENE FRACTION	<0.02%
ANTHRACENE OIL, ANTHRACENE-LOW	<0.02%
ANTHRACENE OIL, ANTHRACENE PASTE	<0.02%

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REMARKS :

- SVHC = SUBSTANCE OF VERY HIGH CONCERN
- % = % (w/w)
- < = LESS THAN
- # = THE SUBSTANCE WAS DETERMINED BY ANALYSIS OF SPECIFIC ELEMENT CONTENTS, SUCH AS Co, Cl, As, Pb, Cr(VI), Si, Mo, Zr AND Al.

DATE SAMPLE RECEIVED : MAR 13, 2010  
 TESTING PERIOD : MAR 13, 2010 TO MAR 16, 2010

(II) LIST OF SVHC:

LIST OF 29 SVHC

CHEMICAL SUBSTANCE	EC NO.	CAS NO.
COBALT DICHLORIDE	231-589-4	7646-79-9
DIARSENIC PENTAOXIDE	215-116-9	1303-28-2
DIARSENIC TRIOXIDE	215-481-4	1327-53-3
LEAD HYDROGEN ARSENATE	232-064-2	7784-40-9
TRIETHYL ARSENATE	427-700-2	15606-95-8
SODIUM DICHROMATE	234-190-3	7789-12-0, 10588-01-9
BIS (TRIBUTYL TIN) OXIDE	200-268-0	56-35-9
ANTHRACENE	204-371-1	120-12-7
4,4-DIAMINODIPHENYLMETHANE	202-974-4	101-77-9
HEXABROMOCYCLODODECANE (HBCDD)	247-148-4	25637-99-4 AND 3194-55-6(134237-51-7, 134237-50-6, 134237-52-8)
5-TERT-BUTYL-2,4,6-TRINITRO-m-XYLENE (MUSK XYLENE)	201-329-4	81-15-2
BIS (2-ETHYLHEXYL) PHTHALATE (DEHP)	204-211-0	117-81-7
DIBUTYL PHTHALATE (DBP)	201-557-4	84-74-2
BENZYL BUTYL PHTHALATE (BBP)	201-622-7	85-68-7

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<u>CHEMICAL SUBSTANCE</u>	<u>EC NO.</u>	<u>CAS NO.</u>
SHORT CHAIN CHLORINATED PARAFFINS (C <sub>10-13</sub> )	287-476-5	85535-84-8
ALUMINOSILICATE, REFRACTORY CERAMIC FIBRES	(650-017-00-8)	-
ZIRCONIA ALUMINOSILICATE, REFRACTORY CERAMIC FIBRES	(650-017-00-8)	-
LEAD CHROMATE	231-846-0	7758-97-6
LEAD CHROMATE MOLYBDATE SULFATE RED (C.I. PIGMENT RED 104)	235-759-9	12656-85-8
LEAD SULFOCHROMATE YELLOW (C.I. PIGMENT YELLOW 34)	215-693-7	1344-37-2
TRIS (2-CHLOROETHYL) PHOSPHATE	204-118-5	115-96-8
2,4-DINITROTOLUENE	204-450-0	121-14-2
DIISOBUTYL PHTHALATE (DIBP)	201-553-2	84-69-5
COAL TAR PITCH, HIGH TEMPERATURE	266-028-2	65996-93-2
ANTHRACENE OIL	292-602-7	90640-80-5
ANTHRACENE OIL, ANTHRACENE PASTE, DISTN. LIGHTS	295-278-5	91995-17-4
ANTHRACENE OIL, ANTHRACENE PASTE, ANTHRACENE FRACTION	295-275-9	91995-15-2
ANTHRACENE OIL, ANTHRACENE-LOW	292-604-8	90640-82-7
ANTHRACENE OIL, ANTHRACENE PASTE,	292-603-2	90640-81-6

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REMARKS:

1. SUBSTANCES OF VERY HIGH CONCERN (SVHC) ARE CLASSIFIED AS:
  - a. CARCINOGENIC, MUTAGENIC OR TOXIC TO REPRODUCTION CATEGORY 1 (PROVEN ON HUMANS) AND CATEGORY 2 (PROVEN ON ANIMALS)
  - b. PERSISTENT, BIOACCUMULATIVE AND TOXIC CHEMICALS (PBT)
  - c. VERY PERSISTENT AND VERY BIOACCUMULATIVE CHEMICALS (VPVB)
  - d. OTHER SIMILAR SUBSTANCES SUCH AS ENDOCRINE DISRUPTERS
2. IF THE IMPORTED OR MANUFACTURED VOLUME OF EACH INDIVIDUAL SVHC IN ARTICLE IS MORE THAN 0.1% (w/w) AND IF IT EXCEEDS 1 TONNE PER YEAR ACROSS ALL PRODUCT RANGES, THEN IMPORTER OR MANUFACTURER REQUIRE NOTIFICATION TO THE EUROPEAN CHEMICAL AGENCY (ECHA). NOTIFICATION SHOULD BE DONE BY JUNE 2011, WHICH IS 4 YEARS AFTER REACH HAS BEEN IMPLEMENTED. FOLLOWING INFORMATION HAS TO BE SUBMITTED FOR NOTIFICATION:
  - a. IDENTIFICATION OF THE REGISTRANT AND THE SUBSTANCE
  - b. CLASSIFICATION AND LABELLING OF THE SUBSTANCE
  - c. DESCRIPTION OF USE OF THE SUBSTANCE AND THE ARTICLE
  - d. REGISTRATION NUMBER, IF AVAILABLE
  - e. TONNAGE RANGE
3. AS PER ARTICLE 33 OF REGULATION (EC) NO. 1907/2006 (REACH), RECIPIENTS OF PRODUCT MUST BE PROVIDED WITH INFORMATION OF SAFE USE IF ANY OF THE TESTED SUBSTANCES (SVHC) EXCEEDED 0.1% (w/w). A PRODUCT MEETS THE REQUIREMENT OF ARTICLE 33(1) BY DEFAULT WHEN NO SVHC EXCEEDS 0.1% (w/w).
4. AS PER ARTICLE 31 OF REGULATION (EC) NO. 1907/2006 (REACH), SUPPLIERS OF PREPARATIONS NOT CLASSIFIED AS DANGEROUS ACCORDING TO DIRECTIVE 1999/45/EC HAVE TO PROVIDE THE RECIPIENTS, AT THEIR REQUEST, WITH A SDS IF THE PREPARATIONS CONTAIN AT LEAST ONE OF THE TESTED SUBSTANCES (SVHC) WITH CONCENTRATION AT 0.1% (w/w) OR ABOVE FOR NON-GASEOUS PREPARATIONS.

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END OF REPORT