



TEST REPORT

NUMBER: SZHH00466059

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

DATE: Mar 18, 2010

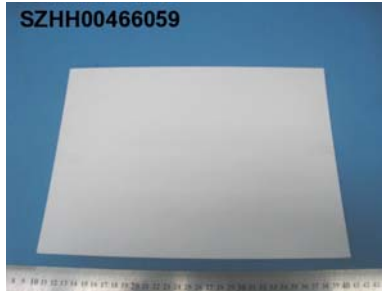
ATTN: RUDI HERYADI SUKARSA

SAMPLE DESCRIPTION:

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

ITEM NAME : **SIANRBOARD**.

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.



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 |

= 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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TESTS CONDUCTED

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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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 : 14 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</u> <u>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
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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 ₁₀₋₁₃) | <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 (TRIBUTYLTIN) 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 ₁₀₋₁₃) | 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.

 END OF REPORT