

Test Report

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PT. INDAH KIAT PULP & PAPER TBK.
JL. RAYA SERANG KM. 76, SERANG 42184 BANTEN-INDONESIA



The following sample(s) was/were submitted and identified by/on behalf of the client as :

| | | |
|-----------------------|---|--------------------------|
| Sample Description | : | PAPER BOARD |
| PART NO. | : | SINARVANDA |
| Color | : | WHITE |
| Job No. | : | JKT-ML/HL/06/11/906 |
| ID No. | : | ML0611906-4285 |
| Sample Receiving Date | : | 2011/06/24 |
| Testing Period | : | 2011/06/24 TO 2011/06/29 |
| Sample Submitted By | : | P.T. SGS INDONESIA |

Test Result(s) : Please refer to next page(s).


Ray Chang / Asst. Manager
Signed for and on behalf of
SGS Taiwan Limited



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Test Result(s)

PART NAME NO.1 : WHITE PAPER BOARD

| Test Item (s): | Unit | Method | MDL | Result | Limit |
|--|-------|--|-----|--------|-------|
| | | | | No.1 | |
| 94/62/EC (Heavy metal content) | | | | | |
| Cadmium (Cd) | mg/kg | With reference to IEC 62321: 2008 and performed by ICP-AES. | 2 | n.d. | - |
| Lead (Pb) | mg/kg | With reference to IEC 62321: 2008 and performed by ICP-AES. | 2 | n.d. | - |
| Mercury (Hg) | mg/kg | With reference to IEC 62321: 2008 and performed by ICP-AES. | 2 | n.d. | - |
| Hexavalent Chromium Cr(VI) by alkaline extraction | mg/kg | With reference to IEC 62321: 2008 and performed by UV-VIS. | 2 | n.d. | - |
| Total Cadmium + Lead + Mercury + Hexavalent Chromium Cr(VI) | mg/kg | Total Cadmium + Lead + Mercury + Hexavalent Chromium Cr(VI) (94/62/EC) | - | n.d. | 100 |
| TPCH (Heavy metal content) | | | | | |
| Cadmium (Cd) | mg/kg | Acid Digestion Followed By Analysis With Inductively Coupled Argon Plasma Spectrometry | 2 | n.d. | - |
| Lead (Pb) | mg/kg | Acid Digestion Followed By Analysis With Inductively Coupled Argon Plasma Spectrometry | 2 | n.d. | - |
| Mercury (Hg) | mg/kg | Acid Digestion Followed By Analysis With Inductively Coupled Argon Plasma Spectrometry | 2 | n.d. | - |
| Hexavalent Chromium Cr(VI) by alkaline extraction | mg/kg | Acid Digestion Followed By Analysis With Inductively Coupled Argon Plasma Spectrometry | 2 | n.d. | - |
| Total Cadmium + Lead + Mercury + Hexavalent Chromium Cr(VI) | mg/kg | Total Cadmium + Lead + Mercury + Hexavalent Chromium Cr(VI) (TPCH) | - | n.d. | 100 |

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| Test Item (s): | Unit | Method | MDL | Result | RoHS Limit | | |
|---|-------|---|-------|---|------------|------|------|
| | | | | No.1 | | | |
| Cadmium (Cd) | mg/kg | With reference to IEC 62321: 2008 and performed by ICP-AES. | 2 | n.d. | 100 | | |
| Lead (Pb) | mg/kg | With reference to IEC 62321: 2008 and performed by ICP-AES. | 2 | n.d. | 1000 | | |
| Mercury (Hg) | mg/kg | With reference to IEC 62321: 2008 and performed by ICP-AES. | 2 | n.d. | 1000 | | |
| Hexavalent Chromium Cr(VI) by alkaline extraction | mg/kg | With reference to IEC 62321: 2008 and performed by UV-VIS. | 2 | n.d. | 1000 | | |
| Sum of PBBs | mg/kg | With reference to IEC 62321: 2008 and performed by GC/MS. | - | n.d. | 1000 | | |
| Monobromobiphenyl | | | 5 | n.d. | - | | |
| Dibromobiphenyl | | | 5 | n.d. | - | | |
| Tribromobiphenyl | | | 5 | n.d. | - | | |
| Tetrabromobiphenyl | | | 5 | n.d. | - | | |
| Pentabromobiphenyl | | | 5 | n.d. | - | | |
| Hexabromobiphenyl | | | 5 | n.d. | - | | |
| Heptabromobiphenyl | | | 5 | n.d. | - | | |
| Octabromobiphenyl | | | 5 | n.d. | - | | |
| Nonabromobiphenyl | | | 5 | n.d. | - | | |
| Decabromobiphenyl | | | 5 | n.d. | - | | |
| Sum of PBDEs | | | mg/kg | With reference to IEC 62321: 2008 and performed by GC/MS. | - | n.d. | 1000 |
| Monobromodiphenyl ether | | | | | 5 | n.d. | - |
| Dibromodiphenyl ether | 5 | n.d. | | | - | | |
| Tribromodiphenyl ether | 5 | n.d. | | | - | | |
| Tetrabromodiphenyl ether | 5 | n.d. | | | - | | |
| Pentabromodiphenyl ether | 5 | n.d. | | | - | | |
| Hexabromodiphenyl ether | 5 | n.d. | | | - | | |
| Heptabromodiphenyl ether | 5 | n.d. | | | - | | |
| Octabromodiphenyl ether | 5 | n.d. | | | - | | |
| Nonabromodiphenyl ether | 5 | n.d. | | | - | | |
| Decabromodiphenyl ether | 5 | n.d. | | | - | | |

- Note :
1. mg/kg = ppm ; 0.1wt% = 1000ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit
 4. " - " = Not Regulated
 5. The test(s) was/were subcontracted to SGS Taiwan.

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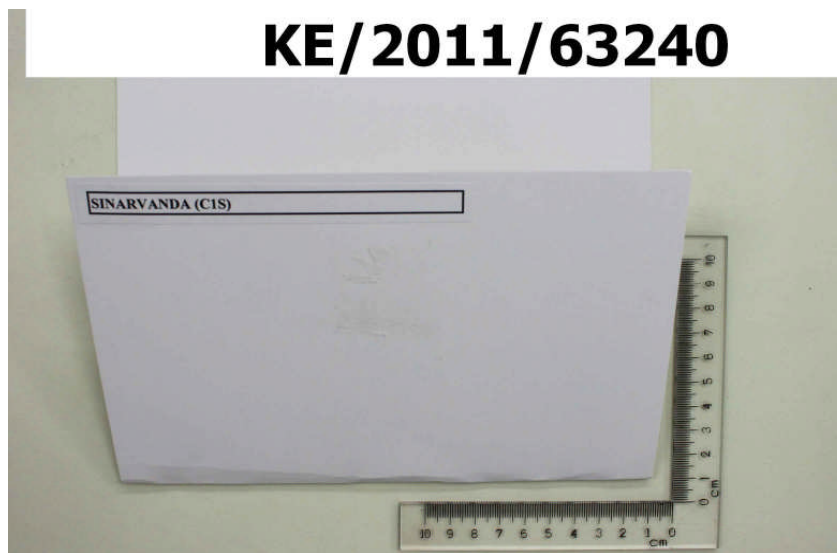
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**** End of Report ****

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