

TEST REPORT: 719169344-CHM10-CSY-CR01

Date: 1 MAR 2010

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SUBJECT

Analysis of Prohibited Substances for "CT WOOD" Product Sample

CLIENT

CT Wood Marketing Sdn Bhd
5, Lorong Perda Timur 4,
Bandar Perda,
14000 Bukit Mertajam,
Pulau Pinang,
Malaysia.

Attn: Mr. Alfred Fok

DESCRIPTION OF SAMPLE

One bag of wood-based sample labelled "Composite Powder" was received 8 Feb 2010

DATE OF TEST

11 Feb 2010 – 1 Mar 2010

METHOD OF TEST

- 1. Elemental Analysis for Cadmium(Cd),Lead (Pb) and Mercury (Hg)**
The sample was digested by inorganic acid, followed by analysis using Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).
- 2. Hexavalent Chromium Analysis (Cr⁶⁺)**
The sample was analysed by UV-Vis spectrometer using 1,5-Diphenylcarbohydrazide as derivatizing agent.
- 3. Analysis of Halogenated Solvents and Aromatic Solvents**
The sample was cut into small pieces and then analyzed by Headspace-Gas Chromatography with Mass Selective Detector (GC-MSD).



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TÜV[®]



RESULTS

Table 1. The analytical results for the "Composite Powder".

| Test Item | Results |
|---|---------------------------|
| Cadmium (Cd) | Not Detected ^a |
| Lead (Pb) | Not Detected ^a |
| Mercury (Hg) | Not Detected ^a |
| Hexavalent Chromium (Cr ⁶⁺) | Not Detected ^a |

^a The method detection limit was 10 ppm.

Table 2. The analytical results for the "Composite Powder".

| Test Item | Results |
|----------------------|---------------------------|
| Halogenated Solvents | Not Detected ^b |
| Aromatic Solvents | Not Detected ^b |

^b The method detection limit was 250 ppm.

MS CHOO SEOW YAH
TECHNICAL EXECUTIVE

DR ZHANG YI
CHEMIST
MICROCONTAMINATION DIAGNOSIS
CHEMICAL & MATERIALS



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PSB Singapore

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March 2009