

TEST REPORT: 7191157647-CHM17-MA

Date: 06 MAR 2017

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SUBJECT

Evaluation of composite granules

CLIENT

Perceptive Profile Sdn Bhd
PT 19251, Persiaran Batu Gajah Perdana 10,
Tmn Perindustrian Batu Gajah Perdana,
31550 Pusing, Perak, Malaysia

Attn : Mr. Pat Auluck

DESCRIPTION OF SAMPLE

One packet of sample were received on 13 Feb 2017

| Sample # | Description | Qty |
|----------|----------------------------------|-----|
| 1 | A/ Thermo Plastic Composite 26FP | 1 |



Picture 1: Sample as received

DATE OF ANALYSIS

21 Feb 2017 – 02 Mar 2017



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METHOD OF TEST

1) Elemental Analysis of Mercury (Hg), Lead (Pb), Cadmium (Cd), Arsenic (As), Selenium (Se), Tin (Sn)

The sample was digested by inorganic acid, followed by analysis using Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).

2) Analysis of Hexavalent Chromium (Cr⁶⁺)

The sample was analysed by UV-Vis spectrometer using 1,5-Diphenylcarbohydrazide as derivatizing agent.

RESULTS

Table 1. The elemental analytical results for "A/ Thermo Plastic Composite 26FP"

| Test | Result | Inferred Result |
|---------------------------------------|---------------------------|-----------------|
| Lead, Pb | Not Detected ^a | Pass |
| Cadmium, Cd | Not Detected ^a | Pass |
| Mercury, Hg | Not Detected ^a | Pass |
| Arsenic, As | Not Detected ^a | Pass |
| Selenium, Se | Not Detected ^a | Pass |
| Tin, Sn | Not Detected ^a | Pass |
| Hexavalent Chromium, Cr ⁶⁺ | Not Detected ^a | Pass |

^a The method detection limit was 50 ppm.

MS MARIANA AHMAD
CHEMIST

DR XIAO ZHOU
PRODUCT MANAGER
MICROCONTAMINATION DIAGNOSIS
CHEMICAL & MATERIALS

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July 2011

