

Test Report No. LPCI/07400/08 Date: 2008/04/14 Page: 1 of 4

CTS Ref. CTS/08/1691/Petlin

PETLIN (MALAYSIA) SDN. BHD. LEVEL 16, TOWER 1, KLCC, KUALA LUMPUR.

The following merchandise was (were) submitted and identified by the client as:

Sample Description : PE A080003 Sample Receiving Date : 2008/04/08

Testing Period : 2008/04/08 to 2008/04/14

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its

amendment directives.

Test Method : (1) With reference to BS EN 1122:2001, Method B for Cadmium

Content.

Analysis was performed by ICP

(2) With reference to EPA Method 3051A for Lead Content.

Analysis was performed by ICP

(3) With reference to EPA Method 3051A for Mercury Content.

Analysis was performed by ICP

(4) With reference to EPA Method 3060A & 7196A for Hexavalent

Chromium.

Analysis was performed by UV/Vis Spectrophotometry.

(5) With reference to EPA Method 3540C/3550B for PBB / PBDE

Content.

Analysis was performed by GC/MS.

Test Results : Please refer to next page.

Analysts : Lim Meng Hoe & Jocelyn Christmas

SGS LABORATORY SERVICES (M) SDN. BHD.

CHONG KIEN LEN B.Sc.(HONS) AMIC LAB MANAGER

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Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	Result	<u>MDL</u>
Cadmium(Cd)	(1)	N.D.	2
Lead (Pb)	(2)	N.D.	2
Mercury (Hg)	(3)	N.D.	2
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	N.D.	2
Sum of Polybrominated Biphenyl (PBBs)	(5)	N.D.	-
Monobromobiphenyl		N.D.	5
Dibromobiphenyl		N.D.	5
Tribromobiphenyl		N.D.	5
Tetrabromobiphenyl		N.D.	5
Pentabromobiphenyl		N.D.	5
Hexabromobiphenyl		N.D.	5
Heptabromobiphenyl		N.D.	5
Octabromobiphenyl		N.D.	5
Nonabromobiphenyl		N.D.	5
Decabromobiphenyl		N.D.	5
Sum of Polybrominated Diphenylethers (PBDEs)		N.D.	-
Monobromodiphenyl ether		N.D.	5
Dibromodiphenyl ether		N.D.	5
Tribromodiphenyl ether		N.D.	5
Tetrabromodiphenyl ether		N.D.	5
Pentabromodiphenyl ether		N.D.	5
Hexabromodiphenyl ether	]	N.D.	5
Heptabromodiphenyl ether	]	N.D.	5
Octabromodiphenyl ether	]	N.D.	5
Nonabromodiphenyl ether	]	N.D.	5
Decabromodiphenyl ether		N.D.	5

### Test Part Description:

As per page 3

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Test Part Description:

Sample Description : PE A080003

Note: (a) mg/kg = ppm

(b) N.D. = Not Detected

(c) MDL = Method Detection Limit

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#### 1. DETERMINATION OF HEXAVALENT CHROMIUM BY **METHOD US EPA 3060A/7196A**

Sample Preparation Add colour-developing reagent Acidify with H2SO4 Let stand for 5-10 min Analyses by UV- Spectrophotometer (540 nm)

## 2. MICROWAVE ASSISTED ACID DIGESTION OF ORGANICALLY BASED METRICES (US EPA 3051A)

Cut sample in small pieces Weight sample (0.2-0.5g) into digestion vessel Acid digestion (HNO<sub>3</sub>) - Microwave "Totally Dissolved" Filtration Analyses by ICP

### 3. PLASTIC - DETERMINATION OF CADMIUM - WET **DECOMPOSITION METHOD (EN 1122) - METHOD B**

Cut sample in small pieces Weight sample (1.0g) into Kjeldahl flask Acid digestion (H<sub>2</sub>SO<sub>4</sub>) "Totally Dissolved" Filtration Analyses by ICP

### 4. DETERMINATION OF PBB/PBDE WITH GC-MS

Cut sample in small pieces Weight sample (2g) into extraction thimble Soxhlet Extraction with Toluene Filter through 0.45 um membrane filter Analyses by GC-MS (with appropriate dilution)

\*\*\*\* End of Report \*\*\*\*

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