

No. LPCI/03975/08

Date: 2008/02/29

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CTS Ref. CTS/08/0855/Group

GROUP STEEL CORP. (M) SDN. BHD. 180, KAWASAN INDUSTRI AYER KEROH, AIR KEROH, 75450 MELAKA.

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

Sample Description Pre-Painted Galvanizing Strip

> PEE Ocean Blue BMT 0.38mm

Sample Receiving Date

2008/02/25 **Testing Period** 2008/02/25 to 2008/02/29

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

amendment directives.

Test Method (1) With reference to EPA Method 3051A 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.

Lim Meng Hoe & Jocelyn Christmas Analysts

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	MDL
Cadmium(Cd)	(1)	N.D.	2
Lead (Pb)	(2)	130	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 : Pre-Painted Galvanizing Strip

PEE Ocean Blue BMT 0.38mm



Note: (a) mg/kg = ppm

(b) N.D. = Not Detected

(c) MDL = Method Detection Limit

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1. <u>DETERMINATION OF HEXAVALENT CHROMIUM BY</u> <u>METHOD US EPA 3060A/7196A</u>

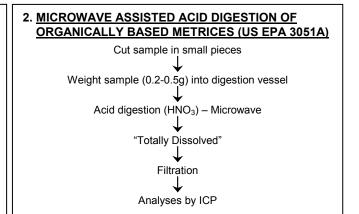
Sample Preparation

Add colour-developing reagent

Acidify with H₂SO₄

Let stand for 5-10 min

Analyses by UV- Spectrophotometer (540 nm)



3. 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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