

## Test Report

No. : CE/2010/22915 Date : 2010/02/23 Page : 1 of 5

COMCHIP TECHNOLOGY CO., LTD.


NO. 31, YONG SHIN LANE, YING TAU ROAD, YINGEE TOWN, TAIPEI COUNTY, TAIWAN



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

Sample Description : SMD DIODES  
 Style/Item No. : CXXK, CXXF, CXXU, CXXQR, CXXER, CXXFR, CXXUR, CXXTR, CXXVR  
 Sample Receiving Date : 2010/02/10  
 Testing Period : 2010/02/10 TO 2010/02/23

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

  
 Chenyu Kung / Operation Manager  
 Signed for and on behalf of  
 SGS TAIWAN LTD.  
 Chemical Laboratory – Taipei

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**Test Result(s)**

PART NAME NO.1 : MIXED ALL PARTS (SIX TYPES)

Test Item (s):	Unit	Method	MDL	Result
				NO.1
Perfluorooctane sulfonates (PFOS) PFOS – Acid PFOS – Metal Salt PFOS – Amide	mg/kg	With reference to US EPA 3540C: 1996 method for PFOS Content. Analysis was performed by LC/MS.	10	n.d.
<b>Halogen</b>				
Halogen-Fluorine (F) (CAS No.: 014762-94-8)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	198
Halogen-Chlorine (Cl) (CAS No.: 022537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	179
Halogen-Bromine (Br) (CAS No.: 010097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	68
Halogen-Iodine (I) (CAS No.: 014362-44-8)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.

**Note :**

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

**PFOS Reference Information : Directive 2006/122/EC**

(1) May not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0.005 % by mass.

(2) May not be placed on the market in semi-finished products or articles, or parts thereof, if the concentration of PFOS is equal to or higher than 0.1 % by mass calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS or, for textiles or other coated materials, if the amount of PFOS is equal to or higher than  $1\mu\text{g}/\text{m}^2$  of the coated material.

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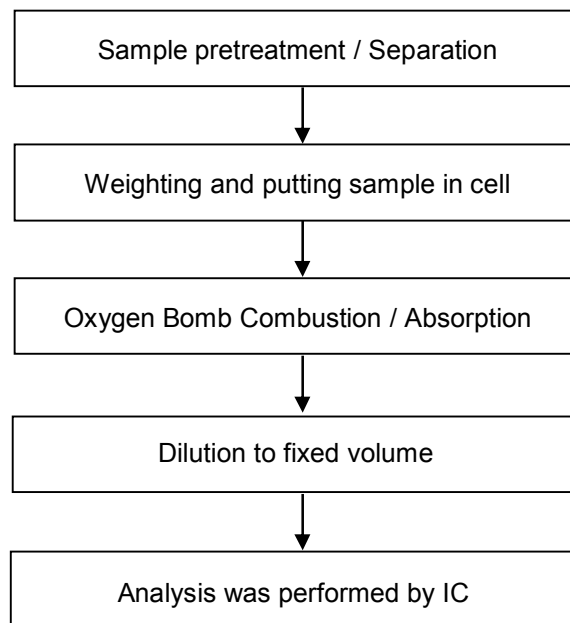
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### Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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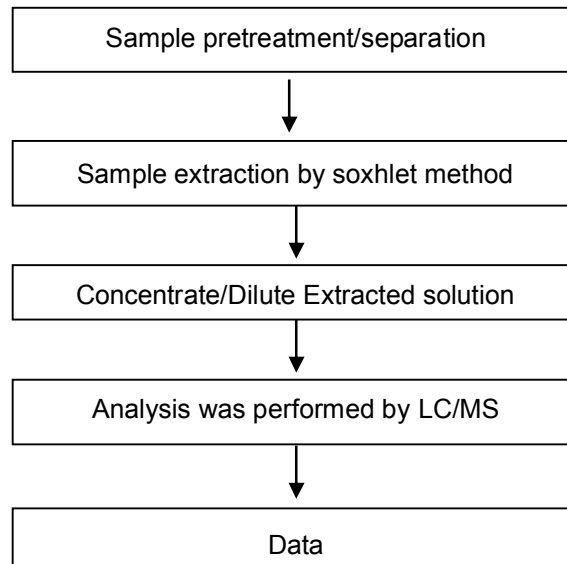
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### Analytical flow chart of Soxhlet extraction (LC/MS) procedure

- 1) Name of the person who made measurement: Lydia Fu
- 2) Name of the person in charge of measurement: Shinjyh Chen

#### ■ Test Items: PFOS/PFOA 、Benzotriazole



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

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