

# Test Report

**Report No.** ECL01H067809002

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**Applicant** LITE-ON MICROELECTRONICS (WUXI) CO., LTD.  
LITE-ON SEMICONDUCTOR CORP.

**Address** LAND LOT J7、J8WEPZ, NEW DISTRICT, WUXI CITY, JIANGSU, CHINA  
9F,NO.233-2 PAO-CHIAO ROAD, HSIN-TIEN DISTRICT, NEW TAIPEI CITY 23145,  
TAIWAN, R.O.C

Sample Received Date Jan. 4, 2016  
Testing Period Jan. 4, 2016 to Jan. 8, 2016

**Test Requested** As specified by client, to test Polycyclic Aromatic Hydrocarbons (PAHs) ,  
Perfluorooctanoic Acid (PFOA), Perfluorooctane Sulfonates(PFOS) in the  
submitted sample(s).

**Test Method**

Tested Item(s)	Test Method	Measured Equipment(s)
Polycyclic Aromatic Hydrocarbons (PAHs)	ZEK 01.4-08	GC-MS
Perfluorooctanoic Acid (PFOA)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Perfluorooctane Sulfonates (PFOS)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS

**Test Result(s)** Please refer to the following page(s).

Tested by Tang Shi hui

Reviewed by Hu Hongmei

Approved by Su Hongwei  
Su Hongwei  
Senior Laboratory Manager

Date Jan. 8, 2016



No. R153060067

Centre Testing International Pinbiao(Shanghai) Co., Ltd. No.1996,Xinjinqiao Road, Pudong New District,Shanghai,China

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

No.	Sample Name	The sample description
1	GPP BRIDGE: GREEN MOLDING	MIXED ALL PARTS OF BODY
2	COMPOUND	SILVER COLORED METAL PIN

Part No.                    GBJ\_HF PACKAGE FAMILY (GBJXXX\_HF, GBJXXXL\_HF, GBJXXX\_HF ETC)  
                               GBU\_HF PACKAGE FAMILY (GBUXXX\_HF, GBUXXX\_HF, ETC)  
                               GBL\_HF PACKAGE FAMILY (GBLXXX\_HF, GBLXXXL\_HF, GBLXXXM\_HF ETC)  
                               GBP PACKAGE FAMILY ( GBPXXX, GBPXXX ETC)  
                               KBP\_HF PACKAGE FAMILY  
                               (KBPXXG\_HF, KBPXXXG\_HF, KBPXXXGL\_HF ETC)  
                               KBJ\_HF PACKAGE FAMILY (KBJXXXG\_HF , KBJXXXL\_HF , KBJXXXG\_HF ETC)  
                               DF\_HF PACKAGE FAMILY (DFXXS\_HF, DFXXSH\_HF, DFXXXXS\_HF, DFXXM\_HF, DFXXMH\_HF, DFXXXXM\_HF ETC)  
                               HDDF\_HF PACKAGE FAMILY (RHXX\_HF, HDXX\_HF, ETC)  
                               MINI GPP PACKAGE FAMILY (TTXXX\_HF, TDXXJN\_HF, TDXXKN\_HF, TDXXM\_HF , ETC)

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**Test Result(s)**

Tested Item(s)	Result(Unit: mg/kg)		MDL
	1	2	
Perfluorooctanoic Acid (PFOA)	N.D.	N.D.	5mg/kg
Perfluorooctane Sulfonates(PFOS)	N.D.	N.D.	5mg/kg

Tested Item(s)	Result(Unit: mg/kg)	MDL
	1	
<b>Polycyclic Aromatic Hydrocarbons(PAHs)</b>		
Naphthalene	N.D.	0.2mg/kg
Acenaphthylene	N.D.	0.2mg/kg
Acenaphthene	N.D.	0.2mg/kg
Fluorene	N.D.	0.2mg/kg
Phenanthrene	N.D.	0.2mg/kg
Anthracene	N.D.	0.2mg/kg
Fluoranthene	N.D.	0.2mg/kg
Pyrene	N.D.	0.2mg/kg
Chrysene	N.D.	0.2mg/kg
Benzo[a]anthracene	N.D.	0.2mg/kg
Benzo[b]fluoranthene	N.D.	0.2mg/kg
Benzo[k]fluoranthene	N.D.	0.2mg/kg
Benzo[j]fluoranthene	N.D.	0.2mg/kg
Benzo[a]pyrene	N.D.	0.2mg/kg
Benzo[e]pyrene	N.D.	0.2mg/kg
Indenol[1,2,3-cd]pyrene	N.D.	0.2mg/kg
Dibenz[a,h]anthracene	N.D.	0.2mg/kg
Benzo[g,h,i]perylene	N.D.	0.2mg/kg

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## Tested Sample/Part Description

1. Black body (Tested as a whole)
2. Silvery metal pin

**Note:** -MDL= Method Detection Limit

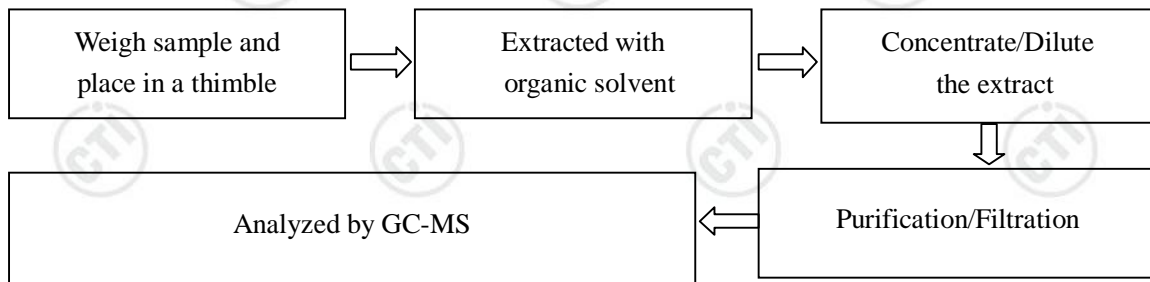
-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

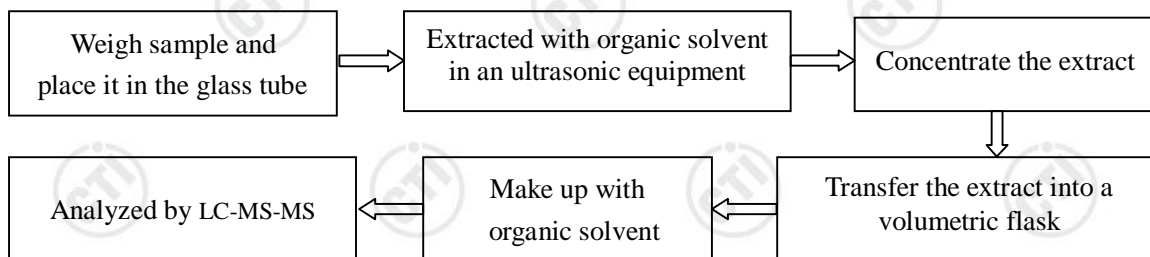
The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of any homogeneous material.

## Test Process

### 1. Polycyclic Aromatic Hydrocarbons(PAHs)



### 2. Perfluorooctanoic Acid (PFOA), Perfluorooctane Sulfonates(PFOS)

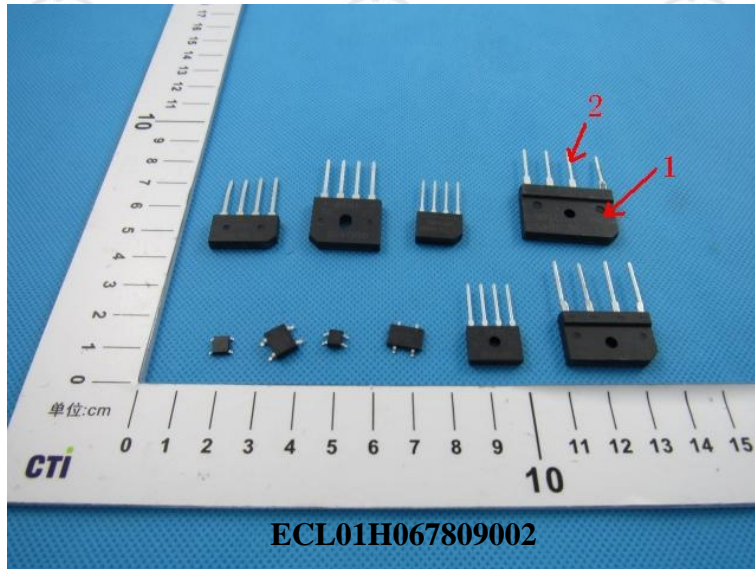


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## Photo(s) of the sample(s)



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

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