

Test Report

Report No. ECL01H067814002

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Applicant SHANGHAI SEEFULL ELECTRONIC CO., LTD
LITE-ON SEMICONDUCTOR CORP.

Address 6 ZHENYE RD. DONGJING INDUSTRIAL AREA SONGJIANG DISTRICT,
SHANGHAI, 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 Hongwei

Approved by Su Hongwei
Su Hongwei
Senior Laboratory Manager

Date Jan. 8, 2016

No. R153063842

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

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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	TO BRIDGE: LEAD FREE	MIXED ALL PARTS OF BODY
2	PLATING	SILVER COLORED METAL PIN

Part No. TO-3P PACKAGE FAMILY (SBLXXXXPT, MBRXXXXPT, MBRXXXXPT, ETC)
 TO-220 PACKAGE FAMILY (SBLXXX, SBLXXX, SBLXXXCT, SBLXXXXCT, MBRXXX, MBRXXX, MBRXXXX, MBRXXXL, MBRXXXCT, MBRXXXXCT, MBRXXXCTL, MBRXXXCTL, MBRXXH100CT, STPRXXXD, STPRXXXD, STPRXXXCT, STPRXXXD, STPRXXXD, STPRXXXCT, LTTHXXXD, LTTHXXXD, LTTHXXXL, LXPXXNXX, LVPXXX, SXXMXX-600B, TXXMXXF-XXXB, TXXMXXT-XXXB, TXXMXXT-XXXHC ETC),
 ITO-220 PACKAGE FAMILY (SBFXXX, SBFXXX, SBFXXXCT, MBRFXXX, MBRFXXX, MBRF10100, MBRFXXXCT, MBRFXXXXCT, LTTHXXXF, LTTHXXXF, STPFXXXD, STPFXXXD, STPFXXXCT, 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	
Polycyclic Aromatic Hydrocarbons(PAHs)		
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

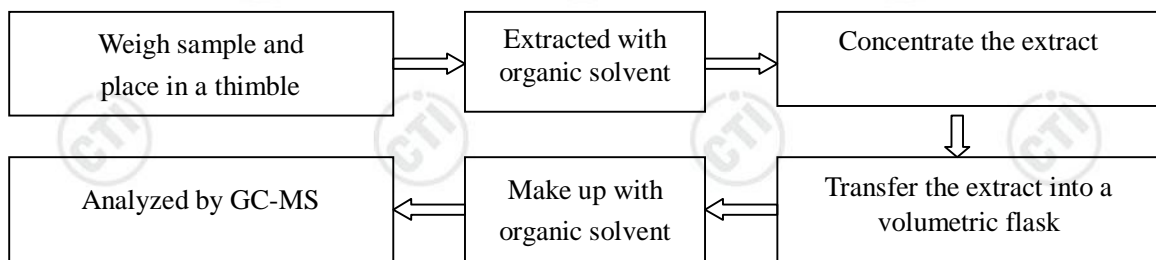
-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

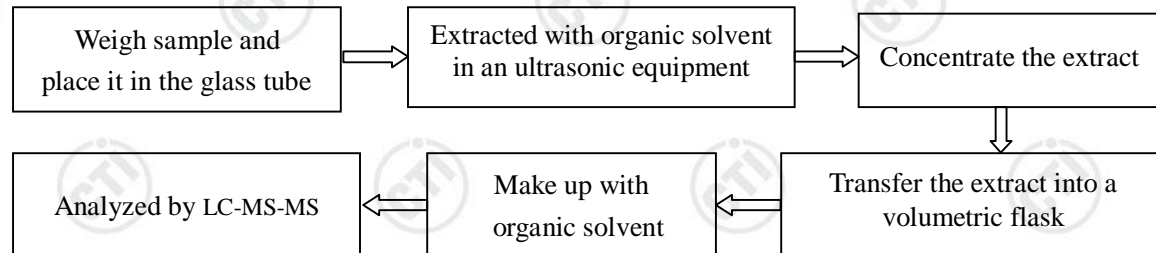
The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of any homogeneous material.

Test Process

1. Polycyclic Aromatic Hydrocarbons(PAHs)



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

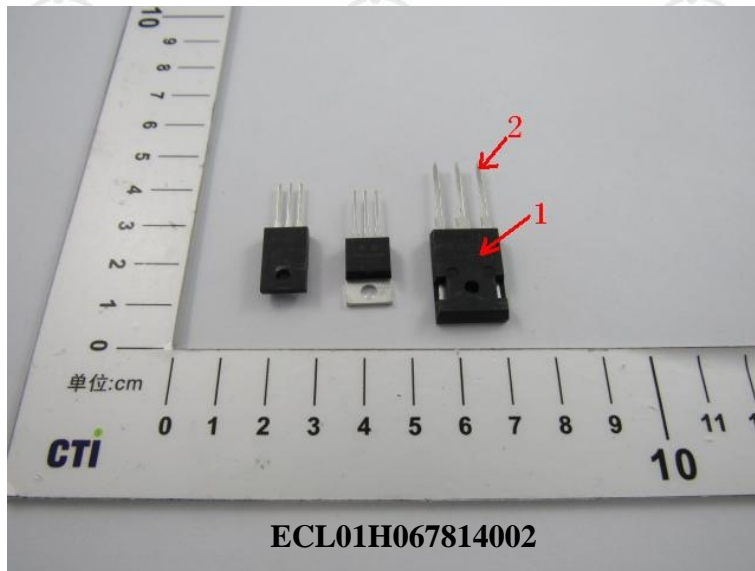


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Photo(s) of the sample(s)



*** End of Report ***

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