

## Test Report

Report No : CE/2006/83617A Date : 2006/08/17

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MACROBLOCK, INC.



F6-4 NO. 18, PU-TING RD., HSIN-CHU, TAIWAN, R. O. C.

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

Sample Description : LED DRIVER IC  
Style/Item No : MBI1009GP / MBI5026GP / MBI5027GP / MBI5028GP /  
MBI5029GP / MBI5026GPA / MBI5027GPA /  
MBI5028GPA / MBI5029GPA / MBI1802GD /  
MBI1804GD / MBI5026GD / MBI5027GD /  
MBI5028GD / MBI5029GD / MBI5026GN /  
MBI5027GN / MBI5028GN / MBI5029GN /  
MBI5026GNS / MBI5027GNS / MBI5028GNS /  
MBI5029GNS / MBI5168GP / MBI5169GP /  
MBI5170GP / MBI5171GP / MBI5168GD /  
MBI5169GD / MBI5170GD / MBI5171GD /  
MBI5168GDW / MBI5169GDW / MBI5170GDW /  
MBI5171GDW / MBI5168GN / MBI5169GN /  
MBI5170GN / MBI5171GN / MBI5024GP / MBI5025GP /  
MBI5024GPA / MBI5025GPA / MBI5024GD /  
MBI5025GD / MBI5024GN / MBI5025GN /  
MBI5024GNS / MBI5025GNS / MBI5167GP /  
MBI5167GD / MBI5167GDW / MBI5167GN /  
MBI5030GD / MBI5031GD / MBI5030GN /  
MBI5031GN / MBI5030GNS / MBI5031GNS /  
MBI6010GP / MBI6010GD / MBI6010GN


Buyer/Order No : GREATEK ELECTRONICS INC.

Sample Received : 2006/08/10

Testing Period : 2006/08/10 TO 2006/08/17

=====  
**Test Requested** : With reference to the RoHS Directive 2002/95/EC, and its amendment directives.

**Test Result(s)** : - Please see the next page(s) -

  
Daniel Yeh, M.R. / Operation Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.

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- Test Method** :
- (1) With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.
  - (2) With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP-AES.
  - (3) With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.
  - (4) With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrometry
  - (5) With reference to US EPA 3540C, Analysis was performed by GC/MS and screening via US EPA 3550C with HPLC/DAD/MS.

## Test Result(s)

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

Test Item (s):	Method (Refer to)	Result		MDL
		No.1	No.2	
Cadmium (Cd)	(1)	n.d.	n.d.	2
Lead (Pb)	(2)	n.d.	18.3	2
Mercury (Hg)	(3)	n.d.	n.d.	2
Chromium VI (Cr+6)	(4)	n.d.	n.d.	2
<b>Total PBBs</b>	(5)	n.d.	n.d.	-
Monobromobiphenyl		n.d.	n.d.	5
Dibromobiphenyl		n.d.	n.d.	5
Tribromobiphenyl		n.d.	n.d.	5
Tetrabromobiphenyl		n.d.	n.d.	5
Pentabromobiphenyl		n.d.	n.d.	5
Hexabromobiphenyl		n.d.	n.d.	5
Heptabromobiphenyl		n.d.	n.d.	5
Octabromobiphenyl		n.d.	n.d.	5
Nonabromobiphenyl		n.d.	n.d.	5
Decabromobiphenyl	n.d.	n.d.	5	

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Test Item (s):	Method (Refer to)	Result		MDL
		No.1	No.2	
<b>Total PBBEs(PBDEs)</b>	(5)	n.d.	n.d.	-
Monobromobiphenyl ether		n.d.	n.d.	5
Dibromobiphenyl ether		n.d.	n.d.	5
Tribromobiphenyl ether		n.d.	n.d.	5
Tetrabromobiphenyl ether		n.d.	n.d.	5
Pentabromobiphenyl ether		n.d.	n.d.	5
Hexabromobiphenyl ether		n.d.	n.d.	5
Heptabromobiphenyl ether		n.d.	n.d.	5
Octabromobiphenyl ether		n.d.	n.d.	5
Nonabromobiphenyl ether		n.d.	n.d.	5
Decabromobiphenyl ether		n.d.	n.d.	5
<b>Total of Mono to Nona(Note 5)</b>		n.d.	n.d.	-

## Test Part Description

PART NAME NO.1 : MIXED ALL PARTS OF BODY  
 PART NAME NO.2 : SILVER COLORED METAL PIN

- Note : (1) mg/kg = ppm, 0.1% = 1000 ppm(mg/kg), 0.0005% = 5 ppm(mg/kg)  
 (2) n.d. = N.D. = ND = Not Detected  
 (3) MDL = Method Detection Limit  
 (4) Sample was totally digested for Pb, Cd, Hg  
 (5) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.  
 (6) "-" = Not Regulated

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