

Report No :	BSTDG15013	315222RR-4	Date: Jan. 06, 2015	Page 1 of 6			
Applicant Address	: Flat B07 F	 MAKO SEMICONDUCTOR CO., LIMITED Flat B07 Floor23, Hover Industrial Building, No. 26-38 Kwai Cheong Road, N.T, Hong Kong. 					
The following s	ample(s) was /v	vere submitte	d and identified on behalf	f of the clients as :			
Sample Name	:	Darlington	onductor (Diodes, trans transistors, single-junction and contain semiconduc	on transistor, LED,			
Trade Name	:	美科半導量	8				
Sample Model	:	SOT/SOD/ /1210 ALL		S/MBS/DB/0402/0603/0805/1206			
Sample Receiv	ved Date :	Jan. 03, 201	5				
Testing Period	l :	Jan. 03, 201	5 To Jan. 06, 2015				
Test Requested	d :	selected tes 2011/65/EU		as requested by client with			
Test Method	:	Please refer	to next page(s).				
Test Result	:	Please refer	to next page(s).				

Signed for and on behalf of



Andy Zheng/ Technical Director

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Sample Description:

No.	Description	Name	
1	Metal	Pin	
2	Plastic	Package Body	

Test Result(No.1):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	10	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chrormium(CrVI)	mg/kg	IEC 62321:2008, UV-Vis	N.D.	2	1000
Sum of PBBs	mg/kg	IEC 62321:2008, GC-MS			1000
Monobromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Dibromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Tribromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Tetrabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Pentabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Hexabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Heptabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Octabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Nonabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Decabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS		5	
Sum of PBDEs	mg/kg	IEC 62321:2008, GC-MS			1000
Monobromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Dibromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Tribromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Tetrabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Pentabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Hexabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Heptabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Octabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Nonabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	
Decabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS		5	

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Test Result(No.2):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chrormium(CrVI)	mg/kg	IEC 62321:2008, UV-Vis	N.D.	2	1000
Sum of PBBs	mg/kg	IEC 62321:2008, GC-MS	N.D.		1000
Monobromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Dibromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Tribromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Tetrabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Pentabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Hexabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Heptabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Octabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Nonabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Decabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Sum of PBDEs	mg/kg	IEC 62321:2008, GC-MS	N.D.		1000
Monobromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Dibromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Tribromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Tetrabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Pentabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Hexabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Heptabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Octabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Nonabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Decabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	

Note:

- 1. mg/kg= ppm
 - 2. N.D.= No Detection(<MDL)
 - 3. MDL = Method Detection Limit
 - 4. -- = No Testing

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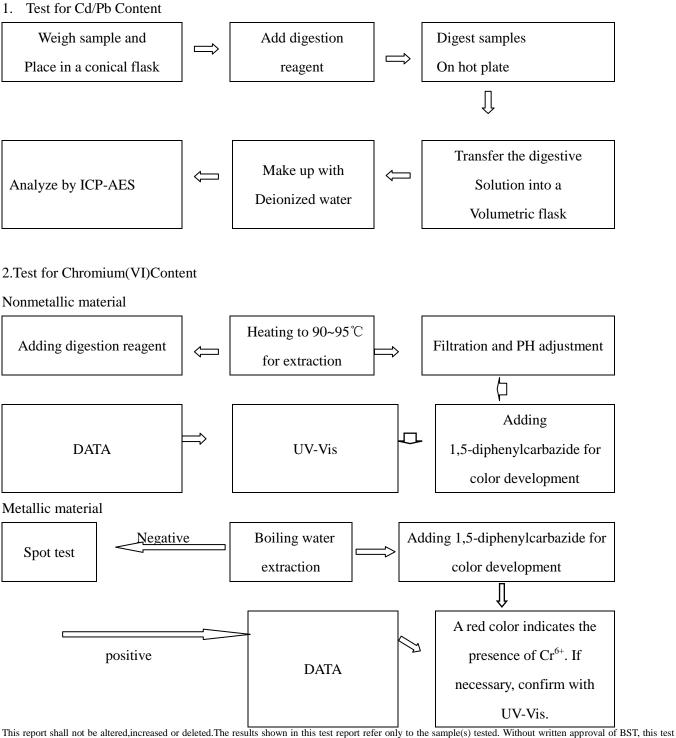
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Test Process:



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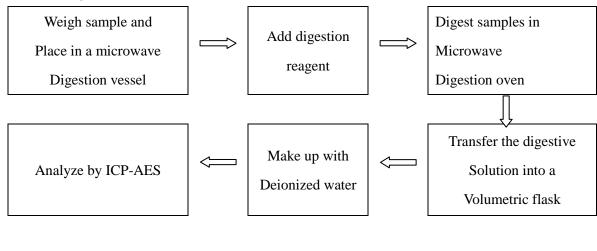
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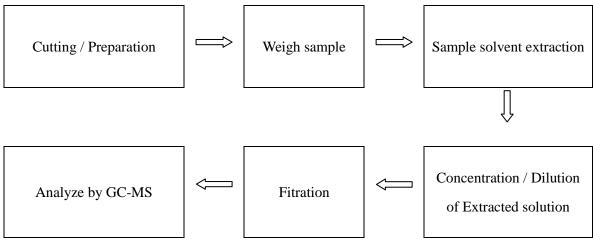
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3.Test for Hg Contents



4.Test for PBBs, PBDES



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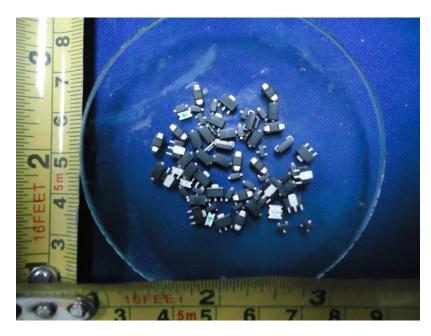
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Sample Photo:



*** End of Report ***

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