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Date : 2014/01/10

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MINMAX TECHNOLOGY CO.,LTD 18,SHIN-SIN ROAD,TAINAN 702,TAIWAN

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

Sample Description Style/Item No. Sample Receiving Date Testing Period Sample Submitted By	 DC-DC CONVERTER MIAR03-XXXXX SERIES 2014/01/06 2014/01/06 TO 2014/01/10 MINMAX TECHNOLOGY CO.,LTD 	
Test Requested	: As specified by client, to test Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs contents in the submitted sample.	
Test Method Test Result(s)	Please refer to next pages.Please refer to next page(s).	

Ray Chang / Asst. Manag Signed for and on behalf SGS Taiwan Limited Chemical Laboratory-Kaohsiung

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Test Result(s)

PART NAME No.1

MIXED ALL PARTS:DC-DC CONVERTER •

Test Item(s)	Unit	Method	MDL	Result	
				No.1	
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.	
Lead (Pb)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	26.0	
Mercury (Hg)	mg/kg	With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n.d.	
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.	
Sum of PBBs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.	
Monobromobiphenyl	mg/kg		5	n.d.	
Dibromobiphenyl	mg/kg		5	n.d.	
Tribromobiphenyl	mg/kg		5	n.d.	
Tetrabromobiphenyl	mg/kg		5	n.d.	
Pentabromobiphenyl	mg/kg		5	n.d.	
Hexabromobiphenyl	mg/kg		5	n.d.	
Heptabromobiphenyl	mg/kg		5	n.d.	
Octabromobiphenyl	mg/kg		5	n.d.	
Nonabromobiphenyl	mg/kg		5	n.d.	
Decabromobiphenyl	mg/kg		5	n.d.	
Sum of PBDEs	mg/kg		-	n.d.	
Monobromodiphenyl ether	mg/kg		5	n.d.	
Dibromodiphenyl ether	mg/kg		5	n.d.	
Tribromodiphenyl ether	mg/kg		5	n.d.	
Tetrabromodiphenyl ether	mg/kg		5	n.d.	
Pentabromodiphenyl ether	mg/kg		5	n.d.	
Hexabromodiphenyl ether	mg/kg		5	n.d.	
Heptabromodiphenyl ether	mg/kg		5	n.d.	
Octabromodiphenyl ether	mg/kg		5	n.d.	
Nonabromodiphenyl ether	mg/kg		5	n.d.	
Decabromodiphenyl ether	mg/kg		5	n.d.	

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Note :

- 1. mg/kg = ppm ; 0.1wt% = 1000ppm
- 2. n.d. = Not Detected
- 3. MDL = Method Detection Limit
- 4. " " = Not Regulated
- 5. 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.

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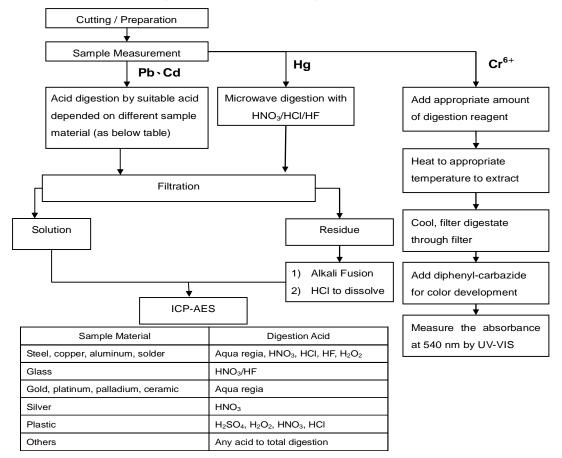
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr6+ test method excluded)
- 2) Name of the person who made measurement: Jony Liu
- Name of the person in charge of measurement: Ray Chang 3)



Note** : (1) For non-metallic material, add alkaline digestion reagent and heat to 90~95

°C

(2) For metallic material, add pure water and heat to boiling.

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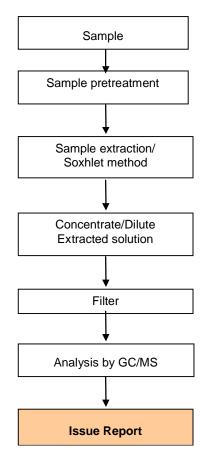
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PBB/PBDE analytical FLOW CHART

1) Name of the person who made measurement: Dorothy Chen

2) Name of the person in charge of measurement: Ray Chang



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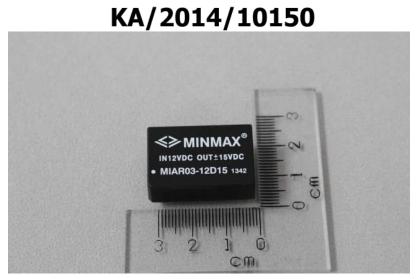
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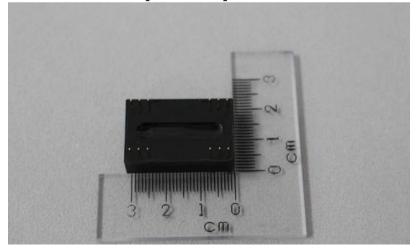
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* The tested sample / part is marked by an arrow if it's shown on the photo. *



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** End of Report **

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