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## Technical Report No. 68.161.16.02454.01A

Dated 2016-06-17

Applicant:	Nanjing Micro One Electronics Inc
Address:	5F,1ST Building No.699-8 Xuanwu Avenue, Xuanwu District ,Nanjing
Sample Description:	IC
Model No.:	SOT23, SOT23-3L/5L/6L, SOT89-3L/5L, TO92, SOP8, DIP8, DFN6, TSSOP8, MSOP8, SOT353, SOT223, SOP24, QFN, TO-251, TO-252, TO-220, TO-126, TO263
Others:	Reference No.: SOP4/7/14/16, DIP7/14, TSSOP24, SSOP10/16/20/24, TO277
Sample Receive Date:	2016-06-12
Test Period:	From 2016-06-12 to 2016-06-16
Test Requested and Conclusion:	Compliance with RoHS (Restriction of Hazardous Substances) directive 2011/65/EU on submitted samples <ul style="list-style-type: none"><li>- Heavy Metal (Pb, Cd, Hg and CrVI) Content <b>PASS</b></li><li>- Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) Content <b>PASS</b></li></ul>
Test Result:	Refer to the following page(s)
Remark:	-The result relates only to the items tested. -The test item and sample were specified by the client.

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch  
Building 12&13, Zhiheng Wisdomland Business Park,  
Nantou Checkpoint Road 2, Nanshan District,  
Shenzhen City, 518052, P.R. China

Tel.: (86) 755 88286998  
Fax: (86) 755 88285299

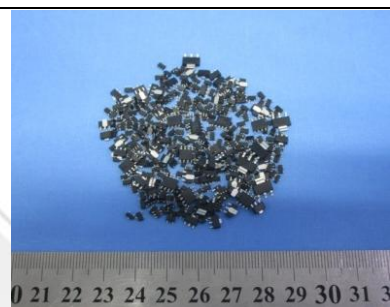


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1. TESTED SUBJECT DESCRIPTION

SAMPLE NUMBER	TESTED MATERIAL DESCRIPTION	PHOTO
001	Black plastic body (IC)	



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## 2. TEST RESULT

### 2.1 BROMINATED FLAME RETARDANTS CONTENT

Test Method: With reference to IEC 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 5mg/kg]

Test Item		Result [mg/kg]	Rohs Requirement [mg/kg]
		Sample 001	
PBBs	Monobromobiphenyl	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	
	Tribromobiphenyl	< 5	
	Tetrabromobiphenyl	< 5	
	Pentabromobiphenyl	< 5	
	Hexabromobiphenyl	< 5	
	Heptabromobiphenyl	< 5	
	Octabromobiphenyl	< 5	
	Nonabromobiphenyl	< 5	
	Decabromobiphenyl	< 5	
	Sum of PBBs	< 50	
PBDEs	Monobromodiphenyl Ether	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	
	Tribromodiphenyl Ether	< 5	
	Tetrabromodiphenyl Ether	< 5	
	Pentabromodiphenyl Ether	< 5	
	Hexabromodiphenyl Ether	< 5	
	Heptabromodiphenyl Ether	< 5	
	Octabromodiphenyl Ether	< 5	
	Nonabromodiphenyl Ether	< 5	
	Decabromodiphenyl Ether	< 5	
	Sum of PBDEs	< 50	

Note:

- “mg/kg” denotes miligram per kilogram
- “<” denotes less than



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### 2.2 HEAVY METAL CONTENT

Test method: With reference to IEC 62321-4:2013, IEC 62321-5:2013 and IEC 62321:2008 analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and UV-Vis spectrophotometer. [Reporting Limit: 2mg/kg for cadmium; 10mg/kg for hexavalent chromium, lead and mercury.]

SAMPLE NO.	RESULT [mg/kg]			
	TOTAL CADMIUM	HEXAVALENT CHROMIUM	TOTAL MERCURY	TOTAL LEAD
001	<2	<10	<10	<10
ROHS REQUIREMENT	100	1000	1000	1000

Note:

- “mg/kg” denotes milligram per kilogram
- “<” denotes less than

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Prepared by:

Eva Liang  
Senior Project Coordinator



Reviewed by:

Brady Yu  
Section Manager