

# Test Report

SOLNET METAL INDUSTRY CO., LTD.  
9, LANE 83, HWA CHENG RD., HSIN CHUANG, TAIPEI  
HSIEN, TAIWAN.

Report No. : CE/2006/43588  
Date : 2006/04/20  
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**The following merchandise was (were) submitted and identified by the client as :**

Type of Product : LEAD-FREE SOLDER  
Style/Item No : M705E (Sn96.5/3Ag/0.5Cu)  
Sample Received : 2006/04/13  
Testing Date : 2006/04/13 TO 2006/04/20

=====  
**Conclusion** : The test results of Pb, Cd, Hg, PBB and PBDE for the submitted sample comply with the requirements of RoHS (2002/95/EC).

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

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## Test Result

PART NAME NO.1 : SILVER COLORED SOLDER

PASS

Test Item (s):	Unit	Method	MDL	Result	Limit of ROHS
				No.1	
Monobromobiphenyl	%	With reference to IEC 62321. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	-
Dibromobiphenyl	%		0.0005	N.D.	-
Tribromobiphenyl	%		0.0005	N.D.	-
Tetrabromobiphenyl	%		0.0005	N.D.	-
Pentabromobiphenyl	%		0.0005	N.D.	-
Hexabromobiphenyl	%		0.0005	N.D.	-
Heptabromobiphenyl	%		0.0005	N.D.	-
Octabromobiphenyl	%		0.0005	N.D.	-
Nonabromobiphenyl	%		0.0005	N.D.	-
Decabromobiphenyl	%		0.0005	N.D.	-
<b>Total PBBs (Polybrominated biphenyls)/Sum of above</b>	%		-	N.D.	0.1
Monobromobiphenyl ether	%	With reference to IEC 62321. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	-
Dibromobiphenyl ether	%		0.0005	N.D.	-
Tribromobiphenyl ether	%		0.0005	N.D.	-
Tetrabromobiphenyl ether	%		0.0005	N.D.	-
Pentabromobiphenyl ether	%		0.0005	N.D.	-
Hexabromobiphenyl ether	%		0.0005	N.D.	-
Heptabromobiphenyl ether	%		0.0005	N.D.	-
Octabromobiphenyl ether	%		0.0005	N.D.	-
Nonabromobiphenyl ether	%		0.0005	N.D.	-
Decabromobiphenyl ether	%		0.0005	N.D.	-
<b>Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above</b>	%		-	N.D.	-
<b>Total of Mono to Nona-brominated biphenyl ether. (Note 4)</b>	%		-	N.D.	0.1

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PASS

Test Item (s):	Unit	Method	MDL	Result	Limit of ROHS
				No.1	
Chromium VI (Cr+6)	**	UV-VIS after reference to IEC 62321.	0.02µg/g with 50 cm <sup>2</sup> surface area	Negative	-
Cadmium (Cd)	ppm	ICP-AES after reference to IEC 62321.	2	N.D.	100
Mercury (Hg)	ppm	ICP-AES after reference to IEC 62321.	2	N.D.	1000
Lead (Pb)	ppm	ICP-AES after reference to IEC 62321.	2	210.5	1000

- NOTE: (1) N.D. = Not detected (<MDL)  
 (2) ppm = mg/kg  
 (3) MDL = Method Detection Limit  
 (4) " - " = Not Regulation  
 (5) Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.  
 (6) PBBEs=PBDEs=Polybrominated Diphenyl Ethers=PBDOs=PBBOs.  
 (7) \*\* = Qualitative analysis (No Unit)  
 (8) Negative = Undetectable / Positive = Detectable

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