



**TCR ENGINEERING
SERVICES PVT. LTD.**

**ENGINEERING MATERIAL TESTING, CERTIFICATION, INSPECTION,
SAMPLING, SURVEYING & STANDARDISATION,
PHYSICAL, CHEMICAL & METALLURGICAL TESTING.**
APPROVED BY GOVT. OF INDIA - DEPT. OF SCIENCE & TECHNOLOGY
CERTIFICATE NO. NABL-T-367 and NABL-T-368 DATED 21-12-2004
FOR CHEMICAL and MECHANICAL TESTING

TRUST - COMPETENCE - RELIABILITY

Managing Director
VIRENDRA K. BAFNA
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Laboratory :
Plot No. EL - 182, M.I.D.C., TTC, Electronic Zone,
Mahape, Navi Mumbai - 400 705,
Ph.: 2761 2324, 2761 0921/22/23 Fax.: 2761 2044

TEST CERTIFICATE

TEST CERTIFICATE No :	AM-3579	Dated :	04.07.2011	Page	01 of 01
ISSUED TO :	G.V. ELECTRONICS Andheri Marol (E) Mumbai - 400059				
TEST DATE :	04.07.2011				
TEST LOCATION :	TCR Engg. Services Pvt. Ltd., Mahape, Navi Mumbai.				
PARTY'S REFERENCE :	Lt. Dt. 29.06.2011				
TEST INSTRUMENT :	PORTABLE XRF SPECTROMETER, MODEL INNOV - X Mfg By INNOV-X SYSTEMS EUROPE B V				
TEST PURPOSE :	TO SCREEN FOR R.O.H.S. REQUIREMENTS				

Requirement	Hg	Br	Pb	Cr	Cd
Polymer Materials	P=(700-3d)<X<(1300+3 d)=F	P=(300-3d)<X	P=(700-3d)<X<(1300+3 d)=F	P=(700-3d)<X	P=(70-3d)<(130+3 d)=F
Metallic Materials	P=(700-3d)<X<(1300+3 d)=F	---	P=(700-3d)<X<(1300+3 d)=F	P=(700-3d)<X	P=(70-3d)<(130+3 d)=F
Electronics	P=(500-3d)<X<(1500+3 d)=F	P=(250-3d)<X	P=(500-3d)<X<(1500+3 d)=F	P=(500-3d)<X	LOD<X <(250+3 d)=F

TEST FINDINGS

ITEM DESCRIPTION	Specified Elements					REMARK
	Hg	Br	Pb	Cr	Cd	
	← TEST REQUIREMENTS ----- Mg/Kg - (PPM) -- -----→					
	Max	Max	Max	Max	Max	
1 Porcilien Tube	ND	ND	23 (P)	46 (P)	36 (P)	PASS
2 Resistance Wire	ND	ND	ND	22.78% (INC)	ND	INC
3 M.S. Bracket	ND	ND	ND	645 (P)	ND	PASS
4 Brass Screw	ND	ND	*2554 (P)	ND	ND	PASS
5 Brass Plain Washer	ND	ND	700 (P)	ND	ND	PASS
6 Spring Washer	ND	ND	54 (P)	150 (P)	65 (P)	PASS
7 Brass Nut	ND	ND	*3.54% (P)	ND	ND	PASS

NOTE : *Acceptable Under European Union Directive

P = Pass F = Fail INC. = Inconclusive ND = Not Detected

Pm/-

For TCR ENGINEERING SERVICES PVT. LTD

Authorized Signatory

MD. ISRAIL (DH. WA)

- The results relate only to the sample tested.
- Test Certificate shall not be re-produced except in full without the written approval of laboratory.
- While 'TCR' has made their best endeavors to provide accurate and reliable information, 'TCR' is not responsible for any financial liability due to any act of omission or error made.