



**TCR ENGINEERING SERVICES PVT. LTD.**

**TRUST - COMPETENCE - RELIABILITY**

Managing Director  
VIRENDRA K. BAFNA  
B. E. M. Eng. (Canada)  
M.S.I.M. (U.S.A.) M. A. S. T. M.

Regd : Office & Laboratory  
35, Pragati Industrial Estate,  
N.M. Joshi Marg, Mumbai-400 011.  
Tel.: 23097921, 23097923,  
23092347, 23091938  
Fax: 91-22-23080197  
Website : www.tcreng.com

Laboratory :  
Plot No. EL - 182, M.I.D.C., TTC,  
Electronic Zone, Mahape,  
Navi Mumbai - 400 710.  
Ph.: 022-67380900 / 9022137295  
Fax: 2761 2044  
Email : sales@tcreng.com

TCR / QF 5101

**TEST CERTIFICATE**

TEST CERTIFICATE No:	BD/7525	DATE :	31.08.2015	Page 01 of 01
ISSUED TO:	RAYCHEM RPG (P) LTD. VASAI			
TEST DATE:	31.08.2015			
TEST LOCATION:	TCR Engg. Services Pvt. Ltd., Mahape, Navi Mumbai.			
PARTY'S REFERENCE:	RRL Ref. No: RRPL/EBU/02/260815		Dt: 26.08.2015	
TEST METHOD:	With Reference to IEC - 62321/Ed 1.0/2008-12			
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.DIRECTIVE 2011/65/EU REQUIREMENTS			

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

**TEST FINDINGS**

Specified Elements	Hg	Br	Pb	Cr	Cd	REMARK
	← TEST REQUIREMENTS ----- Mg/Kg - (PPM) -----→					
Item Description	Max 1000	Max 1000	Max 1000	Max 1000	Max 100	
1 Raychem RPG GRP Junction Box	ND	ND	ND	ND	ND	PASS

Remark: The Materials mentioned above are ROHS compliance in accordance with ROHS directive 2011/65/EU & It's subsequent amendments directives.

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

For TCR ENGINEERING SERVICES PVT. LTD

cp/- 

*Mansel*  
Authorized Signatory  
A P INAMDAR (MGR. INT)

1) The results relate only to the sample tested.  
2) Test Certificate shall not be re - produced except in full without the written approval of laboratory.  
3) 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.