



TEST REPORT

NUMBER : DELC12004941

DATE : 04-Jul-2012

APPLICANT : **HITECH INTERNATIONAL**  
B-31, CHANDIGARH ROAD, BEANT  
COLONY, VILLAGE KULYAWAL, BACK SIDE  
BLIND SCHOOL, FOCAL  
POINT, LUDHIANA, PUNJAB, INDIA, 141010  
ATTN : **MUKUL SAREEN**

SAMPLE DESCRIPTION : THE SUBMITTED SAMPLE SAID TO BE VCI EMIITERS/RUST  
POWDER.  
COLOUR : -  
BASE MATERIAL/ RAW MATERIAL : POUCHES  
RAW MATERIAL SUPPLIER : -  
ARTICLE NO. / PART NO. : -  
GRADE : -  
BUYER'S NAME : -  
MANUFACTURER'S NAME : -  
DATE SAMPLE RECEIVED : 02 Jul 2012  
STYLE NO. : -  
TYPE : -

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TEST CONDUCTED: AS REQUESTED BY THE APPLICANT FOR RoHS Directive 2002/95/EC, FOR  
DETAILS REFER TO ATTACHED PAGE(S).

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PREPARED & CHECKED BY :  
FOR INTERTEK INDIA PRIVATE LIMITED [GURGAON - C&H]



SHOBHIT SHRIVASTAV  
LAB MANAGER

**TEST REPORT**

**NUMBER : DELC12004941**

**DATE : 04-Jul-2012**

**TEST CONDUCTED:**

A] TEST RESULTS SUMMARY OF HEAVY METALS FOR ROHS DIRECTIVE 2002/95/EC

<b>TESTING ITEM</b>	<b>RESULT in ppm</b>
CADMIUM (Cd) CONTENT IN PPM	ND(<2)
LEAD (Pb) CONTENT IN PPM	ND(<2)
MERCURY (Hg) CONTENT IN PPM	ND(<2)
CHROMIUM (VI) CONTENT (BY ALKALINE DIGESTION ON NON-METAL IN PPM)	ND(<2)

Remark: < = LESS THAN  
ppm = PARTS PER MILLION  
ND = NOT DETECTED

**B] TEST METHOD:**

<b>TESTING ITEM</b>	<b>TESTING METHOD</b>	<b>REPORTING LIMIT</b>
CADMIUM (Cd) CONTENT	WITH REFERENCE TO IEC 62321-111/54/CDV, BY ACID DIGESTION AND DETERMINED BY AAS/ICP-OES	2 PPM
LEAD (Pb) CONTENT	WITH REFERENCE TO IEC 62321-111/54/CDV, BY ACID DIGESTION AND DETERMINED BY AAS/ICP-OES	2 PPM
MERCURY (Hg) CONTENT	WITH REFERENCE TO IEC 62321-111/54/CDV, BY ACID DIGESTION AND DETERMINED BY AAS/ICP-OES	2 PPM
CHROMIUM (VI) CONTENT (FOR NON-METAL)	WITH REFERENCE TO IEC 62321-111/54/CDV, BY ALKALINE DIGESTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	2 PPM

NOTE: TESTS WERE CONDUCTED FOR Cr +6 WITH REFERENCE TO 111/54/CDV VERSION 2008.

**C] RoHS REQUIREMENT:**

<b>RESTRICTED SUBSTANCES</b>	<b>LIMITS</b>
CADMIUM (Cd) CONTENT	100 ppm
LEAD (Pb) CONTENT	1000 ppm(40000 ppm FOR BRASS/COPPER MATERIAL) (3500 ppm FOR STEEL) (4000 ppm FOR ALUMINIUM)
MERCURY (Hg) CONTENT	1000 ppm
CHROMIUM (VI) CONTENT	1000 ppm

**TEST CONDUCTED:**

A] TEST RESULT SUMMARY OF BROMINATED FLAME RETARDANTS FOR ROHS DIRECTIVE 2002/95/EC

<u>TESTING ITEM</u>	<u>RESULT in ppm</u>
POLYBROMINATED BIPHENYLS (PBBs) IN ppm	
MONOBROMOBIPHENYL (MonoBB)	ND(<5)
DIBROMOBIPHENYL (DiBB)	ND(<5)
TRIBROMOBIPHENYL (TriBB)	ND(<5)
TETRABROMOBIPHENYL (TetraBB)	ND(<5)
PENTABROMOBIPHENYL (PentaBB)	ND(<5)
HEXABROMOBIPHENYL (HexaBB)	ND(<5)
HEPTA BROMOBIPHENYL (HeptaBB)	ND(<5)
OCTABROMOBIPHENYL (OctaBB)	ND(<5)
NONA BROMOBIPHENYL (NonaBB)	ND(<5)
DECABROMOBIPHENYL (DecaBB)	ND(<5)
POLYBROMINATED DIPHENYL ETHERS (PBDEs) IN ppm	
MONOBROMODIPHENYL ETHER (MonoBDE)	ND(<5)
DIBROMODIPHENYL ETHER (DiBDE)	ND(<5)
TRIBROMODIPHENYL ETHER (TriBDE)	ND(<5)
TETRABROMODIPHENYL (TetraBDE)	ND(<5)
PENTABROMODIPHENYL ETHER (PentaBDE)	ND(<5)
HEXABROMODIPHENYL ETHER (HexaBDE)	ND(<5)
HEPTABROMODIPHENYL ETHER (HeptaBDE)	ND(<5)
OCTABROMODIPHENYL ETHER (OctaBDE)	ND(<5)
SUM OF NONABROMODIPHENYL ETHERS (NonaBDE)	ND(<5)
DECABROMODIPHENYL ETHER (DecaBDE)	ND(<5)

B] TEST METHOD:

TESTING ITEM	TESTING METHOD	REPORTING LIMIT
POLYBROMINATED BIPHENYLS (PBB) & POLYBROMINATED DIPHENYL ETHERS (PBDE)	WITH REFERENCE TO IEC 62321 -111/95/CDV, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND FURTHER HPLC CONFIRMATION WHEN NECESSARY	5 PPM

C] RoHS REQUIREMENT:

RESTRICTED SUBSTANCES	LIMITS
POLYBROMINATED BIPHENYLS (PBBs)	0.1% (1000 ppm)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)	0.1% (1000 ppm)

THE ABOVE LIMITS WERE QUOTED FROM 2002/95/EC AND AMENDMENT 2005/618/EC FOR HOMOGENEOUS MATERIAL.

# END OF THE TEST REPORT #