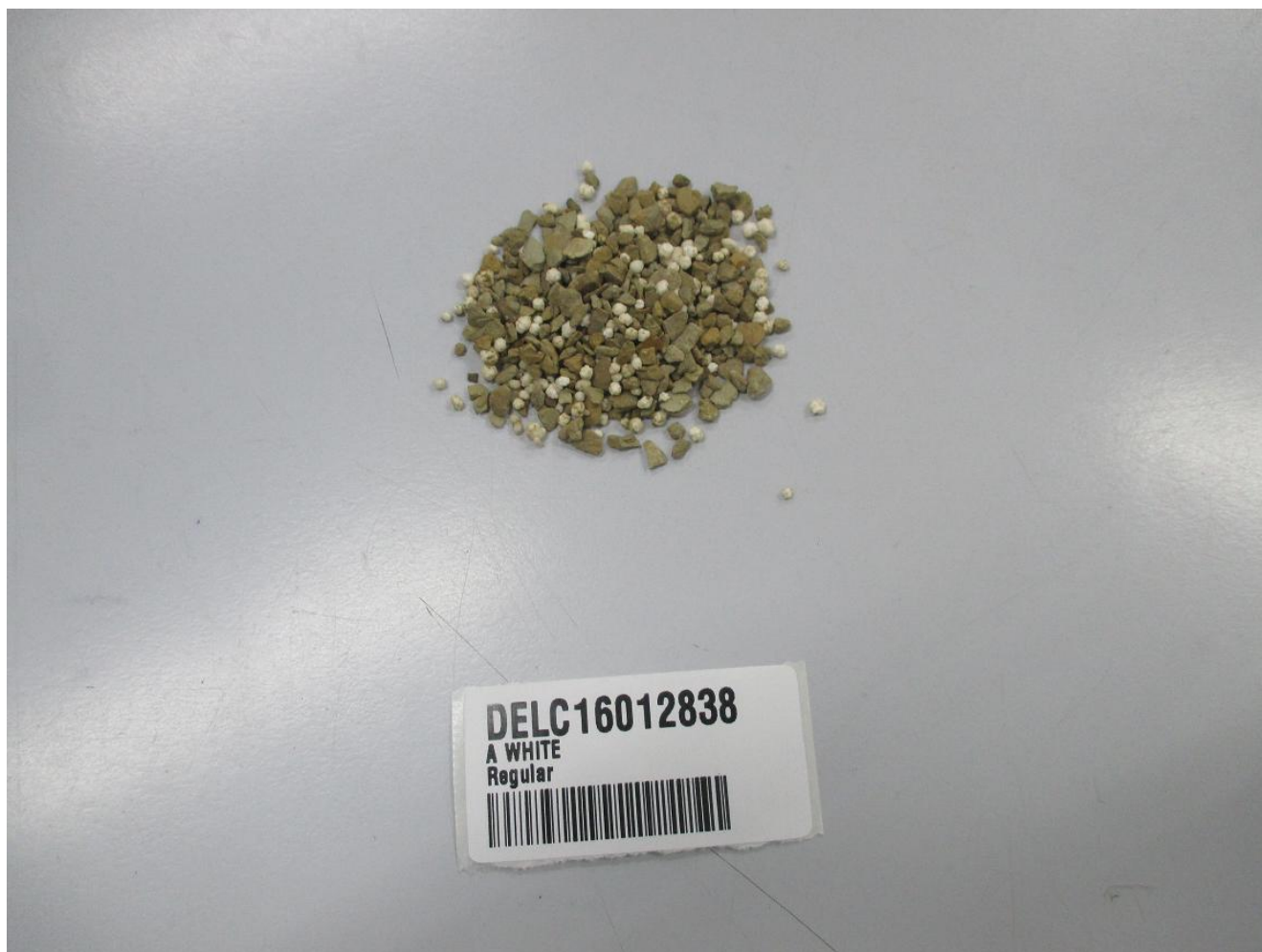


Report Number :

DELC16012838



APPLICANT : **HI TECH INTERNATIONAL**
B-31 OPP. POWER HOUSE, JAMALPUR,
CHANDIGARH ROAD,, LUDHIANA, PUNJAB,
141010, INDIA
ATTN : **SIDHARTH**

SAMPLE DESCRIPTION : THE SUBMITTED SAMPLE SAID TO BE ZORBIT.
COLOUR : WHITE
BASE MATERIAL/ RAW MATERIAL : -
RAW MATERIAL SUPPLIER : -
ARTICLE NO. / PART NO. : -
GRADE : -
BUYER'S NAME : HI-TECH
MANUFACTURER'S NAME : -
DATE SAMPLE RECEIVED : 09 Jun 2016
STYLE NO. : -
TYPE : -

TEST CONDUCTED: AS REQUESTED BY THE APPLICANT ROHS DIRECTIVE 2011/65/EU FOR DETAILS REFER TO ATTACHED PAGE(S).

AUTHORIZED BY
FOR INTERTEK INDIA PRIVATE LIMITED [ANALYTICAL - GURGAON]



PRAVIN MORE
LAB MANAGER

TEST REPORT

DATE : 13-Jun-2016

TEST CONDUCTED:

A] TEST RESULTS SUMMARY OF HEAVY METALS FOR ROHS DIRECTIVE 2011/65/EU

<u>TESTING ITEM</u>	<u>RESULT in ppm</u>
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

ND = NOT DETECTED

PPM = PARTS PER MILLION

B] TEST METHOD:

<u>TESTING ITEM</u>	<u>TESTING METHOD</u>	<u>REPORTING LIMIT</u>
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

C] ROHS REQUIREMENT:

<u>RESTRICTED SUBSTANCES</u>	<u>LIMITS</u>
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 2011/65/EU

<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)

< = LESS THAN

ND = NOT DETECTED

PPM = PARTS PER MILLION

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

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