



NM LABORATORY SDN. BHD. (563645-P)

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LABORATORY TESTINGS AND ANALYSIS CONSULTANCY



CERTIFICATE OF ANALYSIS

Certificate No : SP/08-01/0250

TO : ITW MERITEX SDN.BHD.
Bayan Lepas FIZ, Phase 3,
11900 Bayan Lepas,
Pulau Pinang.

Page No : Page 1 of 2

Date Of Issue : 14/01/2008

Attn : Ms. Joanne

Customer's Sample Description

TPR END PLUGS

Date Of Sample Received : 08/01/2008

Date Of Testing : 08/01/2008 To 14/01/2008

Type Of Analysis/Parameters/ Properties Measured;Unit	Analysis Results	Preconditioning Method/ Technique	Measurement Method/ Equipment
Cadmium (as Cd) ; mg/kg	ND(<0.5)	BS EN 1122B : 2001	ICP-AES
Lead (as Pb) ; mg/kg	ND(<1)	USEPA METHOD 3052	USEPA METHOD 6010B
Mercury (as Hg) ; mg/kg	ND(<5)	USEPA METHOD 3052	USEPA METHOD 6010B
Hexavalent Chromium ; mg/kg	ND(<1)	USEPA METHOD 3060A	USEPA METHOD 7196A

Remarks: The test portion was "Totally Dissolved" for Cadmium, Lead & Mercury test by using pre-conditioning method as mentioned above.

for NM LABORATORY SDN BHD

Job No : SP801/0216

Test Performed By : Ms Ashley Hoo
Mr. Mourali

Certified By : _____

Yeap Cheo Mooi, M.Sc., AMIC
Chemist



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Standard Method/Equipment/Technique Description

BS EN 1122B : 2001	Plastic-Determination of Cadmium by wet decomposition method
ICP-AES	Inductively Coupled Plasma-Atomic Emission Spectroscopy
USEPA METHOD 3052	Microwave assisted acid digestion of siliceous & organically based matrices
USEPA METHOD 6010B	Inductively Coupled Plasma-Atomic Emission Spectroscopy
USEPA METHOD 3060A	Alkaline digestion for Hexavalent Chromium
USEPA METHOD 7196A	Chromium Hexavalent-Colorimetric measurement by UV/Vis Spectroscopy

Measurement Information

Refer to Appendix A & B

Job No : SP801/0216



Certificate No.: SP/ 08-01 / 0284

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Date of Issue : 15 / 01 / 2008

Customer : ITW MERITEX SDN.BHD.

Analysis Result

Chemical compound		Analysis Results	Preconditioning Method	Measurement Method	MDL ; mg/kg	RoHS Limit ; mg/kg
Polybrominated Biphenyls (PBBs)	Monobromobiphenyl	Not Detected	USEPA Method 3540C	GC/MS	5	-
	Dibromobiphenyl	Not Detected				
	Tribromobiphenyl	Not Detected				
	Tetrabromobiphenyl	Not Detected				
	Pentabromobiphenyl	Not Detected				
	Hexabromobiphenyl	Not Detected				
	Heptabromobiphenyl	Not Detected				
	Octabromobiphenyl	Not Detected				
	Nonabromobiphenyl	Not Detected				
	Decabromobiphenyl	Not Detected				
Total PBBs					-	1000

Chemical compound		Analysis Results	Preconditioning Method	Measurement Method	MDL ; mg/kg	RoHS Limit ; mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	Monobromodiphenyl ether	Not Detected	USEPA Method 3540C	GC/MS	5	-
	Dibromodiphenyl ether	Not Detected				
	Tribromodiphenyl ether	Not Detected				
	Tetrabromodiphenyl ether	Not Detected				
	Pentabromodiphenyl ether	Not Detected				
	Hexabromodiphenyl ether	Not Detected				
	Heptabromodiphenyl ether	Not Detected				
	Octabromodiphenyl ether	Not Detected				
	Nonabromodiphenyl ether	Not Detected				
	Decabromodiphenyl ether	Not Detected				
Total PBDEs					-	1000

Conclusion : The sample analysis results were not exceed the maximum concentration values for PBB and PBDE as stipulated in amendment 2005/618/EC of EU Directive 2002/95/EC (RoHS).