

TEST REPORT

APPLICANT : Jeong Woo Chemical
BUYER : SAMSUNG ELECTRONICS CO., LTD

KATRI NO : SPHA15-00000702
RECEIVED DATE : JUN. 10, 2015
ISSUED DATE : JUN. 16, 2015
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APPLICANT'S PROVIDED SAMPLE DESCRIPTION :
ONE(1) SAMPLE OF LIQUID

STYLE NO. : J-279A (Rust Preventative)

TEST ITEM	TEST RESULT
	#1
Heavy Metal Content (mg/kg) : KS C IEC 62321:2009	
Cd	< 5
Pb	< 10
CrVI	< 2
Hg	< 1
Sb	< 1
* Detection Limit : Cd - 5 mg/kg, Pb - 10 mg/kg, CrVI - 2 mg/kg, Hg - 1 mg/kg	
<Remark> 1. Sample Preparation : IEC 62321 Ed. 1.0 b : 2008	
2. Instrument	
1) Cd, Pb, Hg : ICP/AES	
2) CrVI : UV/VIS	

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Seungyoon Leem

Leem, Seung yoon
Director General



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TEST ITEM	TEST RESULT
	#1

PBBs (mg/kg) : KS C IEC 62321:2009

PBBs

Monobrominated biphenyl	< 1
Dibrominated biphenyl	< 1
Tribrominated biphenyl	< 1
Tetrabrominated biphenyl	< 1
Pentabrominated biphenyl	< 1
Hexabrominated biphenyl	< 1
Heptabrominated biphenyl	< 1
Octabrominated biphenyl	< 5
Nonabrominated biphenyl	< 5
Decabrominated biphenyl	< 5

* PBBs : Polybrominated Biphenyls

* Detection Limit : PBBs (7 Compounds) - 1 mg/kg, PBBs (3 Compounds) - 5 mg/kg

* Note) 1. Sample Preparation : Test sample was extracted by organic solvent
2. Instrument : GC-MS

PBDEs (mg/kg) : KS C IEC 62321:2009

PBDEs

Monobromodiphenyl ether	< 1
Dibromodiphenyl ether	< 1
Tribromodiphenyl ether	< 1
Tetrabromodiphenyl ether	< 1
Pentabromodiphenyl ether	< 1
Hexabromodiphenyl ether	< 1
Heptabromodiphenyl ether	< 1
Octabromodiphenyl ether	< 5
Nonabromodiphenyl ether	< 5
Decabromodiphenyl ether	< 5

* PBDEs : Polybrominated Diphenyl Ethers

* Detection Limit : PBDEs (7 Compounds) - 1 mg/kg, PBDEs (3 Compounds) - 5 mg/kg

* Note) 1. Sample Preparation : Test sample was extracted by organic solvent
2. Instrument : GC-MS

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TEST ITEM	TEST RESULT
	#1
Halogen content (mg/kg) : KS M 0180:2009	
Chlorine(Cl)	< 50
Bromine(Br)	< 50
<Remark> 1. Detection Limit : 50 mg/kg	
2. Test Instrument : Combustion-Ion Chromatograph	

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#1



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IMAGE

#1

