

Test Report

No. SH7136710/CHEM

Date: Nov. 16, 2007

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SHANGHAI YUSHENG SPECIAL MAGNET WIRE CO., LTD.
NO.335 LUTONG ROAD, LIANTANG ECONOMIC DEVELOPING ZONE, QINGPU DISTRICT, SHANGHAI

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name : ENAMELED WIRE
SGS Ref No. : 10686959-6
Part No. : UEW(N) QA/ (X)

Sample Receiving Date : Nov.12, 2007
Testing Period : Nov.12 – 16, 2007

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives

Test Method : (1) With reference to IEC 62321 Ed.1 111/54/CDV for Cadmium content.
Analysis was performed by ICP.
(2) With reference to IEC 62321 Ed.1 111/54/CDV for Lead content.
Analysis was performed by ICP and AAS.
(3) With reference to IEC 62321 Ed.1 111/54/CDV for Mercury content.
Analysis was performed by ICP.
(4) With reference to IEC 62321 Ed.1 111/54/CDV for Hexavalent Chromium by
Colorimetric Method.
(5) With reference to IEC 62321 Ed.1 111/54/CDV for PBBs / PBDEs content.
Analysis was performed by GC/MS.

Test Results : Please refer to next pages

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Ella Zhang
Section Manager

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Sandy Hao
Lab Manager

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Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	1	MDL	RoHS Limit
Cadmium(Cd)	(1)	ND	2	100
Lead (Pb)	(2)	ND	2	1000
Mercury (Hg)	(3)	ND	2	1000
Hexavalent Chromium (CrVI)	(4)	ND☼	2	1000
Sum of PBBs	(5)	ND	-	1000
Monobromobiphenyl		ND	5	-
Dibromobiphenyl		ND	5	-
Tribromobiphenyl		ND	5	-
Tetrabromobiphenyl		ND	5	-
Pentabromobiphenyl		ND	5	-
Hexabromobiphenyl		ND	5	-
Heptabromobiphenyl		ND	5	-
Octabromobiphenyl		ND	5	-
Nonabromobiphenyl		ND	5	-
Decabromobiphenyl		ND	5	-
Sum of PBDEs (Note 4)		ND	-	1000
Monobromodiphenyl ether		ND	5	-
Dibromodiphenyl ether		ND	5	-
Tribromodiphenyl ether		ND	5	-
Tetrabromodiphenyl ether		ND	5	-
Pentabromodiphenyl ether		ND	5	-
Hexabromodiphenyl ether		ND	5	-
Heptabromodiphenyl ether		ND	5	-
Octabromodiphenyl ether		ND	5	-
Nonabromodiphenyl ether	ND	5	-	
Decabromodiphenyl ether	ND	5	-	
Sum of PBDEs (Mono to Deca)	ND	-	-	

Test Part Description:

1. Copper enamelled wire

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Note:

- (1) mg/kg = ppm
- (2) ND = Not Detected
- (3) MDL = Method Detection Limit
- (4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.
- (5) "-" = Not Regulated
- (6) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC
- (7) ⚡ Hexavalent Chromium was absent on the surface of the metal sample. Analysis was performed by IEC 62321, Ed 111/54/CDV spot-test/boiling-water-extraction.

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***