

Test Report No. TJTC 0830049-2/CHEM Date: September 12, 2008 Page 1 of 8

U-TRON(BEIJING)ELECTRONICS CO. LTD. EAST 5TH FLOOR, 10 LANG JIA YUAN, JIAN GUO MEN WAI AVENUE, BEIJING, CHINA, 100022

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.TJTC 0830049-1/CHEM, DATE:2008/09/05.

The following sample(s) was/were submitted and identified by/on behalf of the client as: LED STREET LIGHTS FRAME (NO.1: 6800-102, NO.2: 6800-103, NO.3: 6800-201)

SGS Ref No. : 11255601 Main substance : ALUMINUM

Part No. : 6800 LIGHTS FRAME

: U-TRON(BEIJING)ELECTRONICS CO. LTD. Supplier

Sample Receiving Date: August 26, 2008

Testing Period : August 26 to August 29, 2008

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

: With reference to IEC 62321/2nd CDV (111/95/CDV) Test method

Procedures for the Determination of Levels of Regulated Substances in

Electrotechnical Products

1) Determination of Cadmium by ICP-AES/AAS 2) Determination of Lead by ICP-AES/AAS 3) Determination of Mercury by ICP-AES

4) Determination of Hexavalent Chromium by Spot test / Colorimetric Method

5) Determination of PBBs and PBDEs by GC/MS

Test Results : Please refer to next pages

Conclusion : The results of submitted samples (item No.1, No.2 and No.3) comply with the RoHS

Directive 2002/95/EC and its subsequent.

Signed for and on behalf of SGS-CSTC Chemical Laboratory

> Lucid Qi Manager

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

rest results by electrical method (orlit: mg/kg)						
Test Item(s):	Method (refer to)	<u>No.1</u>	<u>No.2</u>	<u>MDL</u>	RoHS Limit	
Cadmium (Cd)	(1)	n.d.	n.d.	2	100	
Lead (Pb)	(2)	28	28	2	1000	
Mercury (Hg)	(3)	n.d.	n.d.	2	1000	
Hexavalent Chromium (CrVI) by Spot test / boiling water extraction	(4)	Negative	Negative	See Note (4)	#	

Test Item(s):	Method (refer to)	<u>No.3</u>	MDL	RoHS Limit
Cadmium (Cd)	(1)	n.d.	2	100
Lead (Pb)	(2)	12	2	1000
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	n.d.	2	1000
Sum of PBBs	(5)	n.d.	ı	1000
Monobromobiphenyl		n.d.	5	-
Dibromobiphenyl		n.d.	5	-
Tribromobiphenyl		n.d.	5	-
Tetrabromobiphenyl		n.d.	5	-
Pentabromobiphenyl		n.d.	5	-
Hexabromobiphenyl		n.d.	5	-
Heptabromobiphenyl		n.d.	5	-
Octabromobiphenyl		n.d.	5	-
Nonabromobiphenyl		n.d.	5	-
Decabromobiphenyl		n.d.	5	-
Sum of PBDEs		n.d.	-	1000
Monobromodiphenyl ether		n.d.	5	-
Dibromodiphenyl ether		n.d.	5	-
Tribromodiphenyl ether		n.d.	5	-
Tetrabromodiphenyl ether		n.d.	5	-
Pentabromodiphenyl ether		n.d.	5	-
Hexabromodiphenyl ether		n.d.	5	-
Heptabromodiphenyl ether		n.d.	5	-
Octabromodiphenyl ether		n.d.	5	-
Nonabromodiphenyl ether		n.d.	5	-
Decabromodiphenyl ether ##		n.d.	5	-

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Test Part Description:

No.1: metal matrix with charcoal grey coating (coating excluded)

No.2: silvery metal No.3: black rubber

Note: (1) mg/kg = ppm

(2) n.d. = Not Detected

(3) MDL = Method Detection Limit

(4) Spot-test:

Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result is Negative or cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

- (5) # = Positive indicates the presence of Hexavalent Chromium on the tested areas. Negative indicates the absence of CrVI on the tested areas.
- (6) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
- (7) "-"= Not regulated
- (8) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

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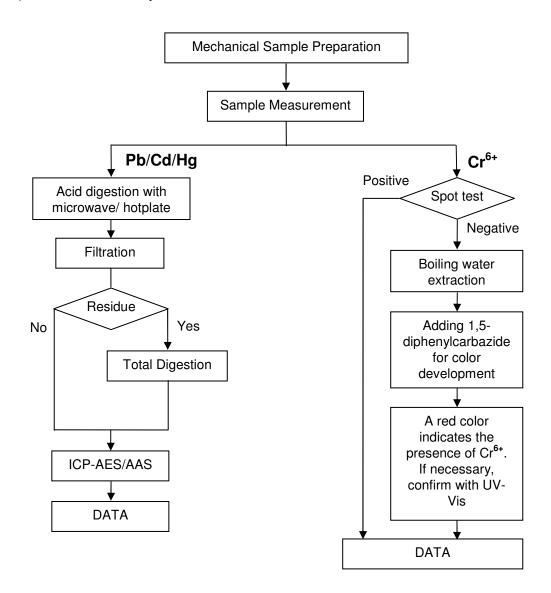
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Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart (Sample No.1, No.2)

1) Operator : Amy Wang 2) Section Chief: Cindy Yin



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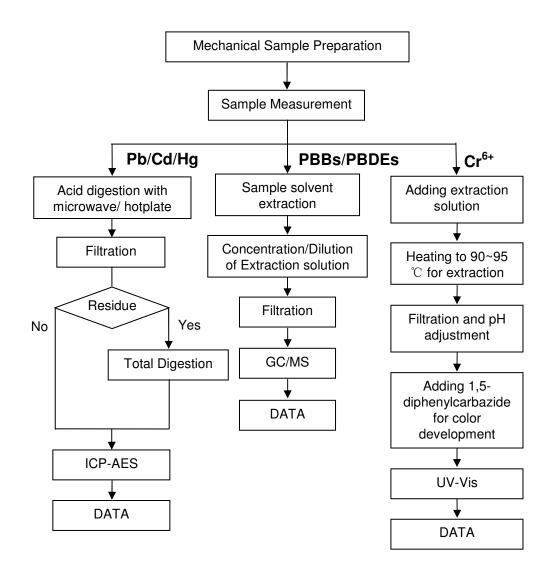
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Pb/Cd/Hg/Cr⁶⁺/PBBs&PBDEs Testing Flow Chart (Sample No.3)

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Sample photo:





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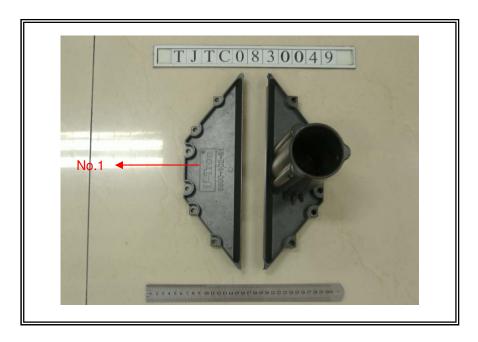
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*** End of Report ***

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