



TEST REPORT

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1 General information

1.1 Application details

1.1.1 Details of applicant

Name : ZHEJIANG TIANQI ELECTRIC CO., LTD.
Address : NO.8 LINGFENG SOUTH ROAD, ECONOMIC DEVELOPMENT
ZONE, ANJI, ZHEJIANG
Country : CHINA
Telephone : +86-572-5119090
Fax : +86-572-5118861
Teletex : ./.
Contact : MR. WANG GUOXUAN
Telephone : +86-572-5119090

1.1.2 Details of wanted approval holder

Name : ZHEJIANG TIANQI ELECTRIC CO., LTD.
Address : NO.8 LINGFENG SOUTH ROAD, ECONOMIC DEVELOPMENT
ZONE, ANJI, ZHEJIANG
Country : CHINA
Telephone : +86-572-5119090
Fax : +86-572-5118861
Teletex : ./.
Contact : MR. WANG GUOXUAN
Telephone : +86-572-5119090

1.2 Description of the test item

Type of product : PLASTIC ENCLOSURE
Type identification : TJ
Brand name : SFIM



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1.3 Directive

2002/95/EC

Restriction of the use of certain hazardous substances in electrical and electronic equipment

27 January 2003

in connection with:

2002/96/EC

Waste electrical and electronic equipment

27 January 2003

2005/618/EC

Establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

18 August 2005



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2 Technical test

2.1 Summary of test results

No deviations from the directive(s) were ascertained in the course of the tests performed.



or

The deviations as specified in 2.2 were ascertained in the course of the tests performed.



2.2 Non-conformance items

No.	Non-conformance items
1.	No non-conformances noticed.
2.	
3.	
4.	
- over -	

2.3 Test report approval

Jan. 11, 2007

Xiao wen feng

Date



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3 Test results

3.1 General Information

Test Report No: CTS061230-01386-C
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3.1.1 Description of the sample

Product: PLASTIC ENCLOSURE
 Type: TJ
 Brand name: SFIM

3.1.2 Date of sample received

Dec. 30, 2006

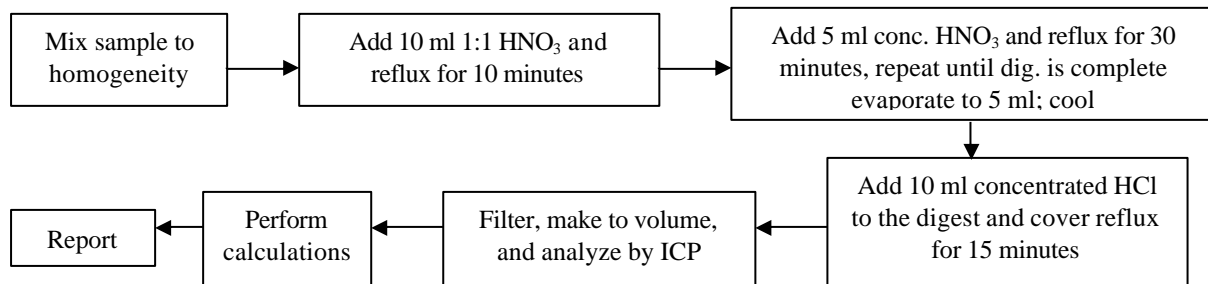
3.1.3 Date tested

Jan. 2, 2007 to Jan. 8, 2007

3.1.4 Test method

Testing Item	Pretreatment method	Measuring method	Report Limit
Lead (Pb)	EPA3050B or EPA3052	EPA6010 (ICP-OES)	2ppm
Cadmium (Cd)	EN1122: 2001 or EPA3052	EPA6010 (ICP-OES)	2ppm
Mercury (Hg)	EPA3052	CV-AAS	2ppm
Chromium (Cr)	EPA3060A or EPA3052	EPA7196A (UV-Vis)	2ppm
PBBs	EPA3540C	EPA8082 (GC-MS)	5ppm
PBDEs	EPA3540C	EPA8082 (GC-MS)	5ppm

1. To Determine Lead Content:



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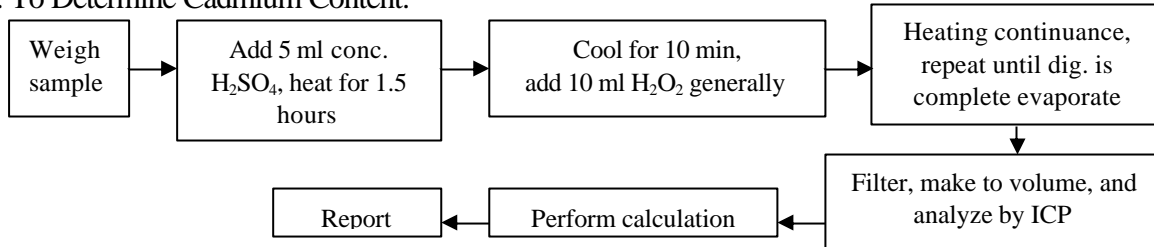
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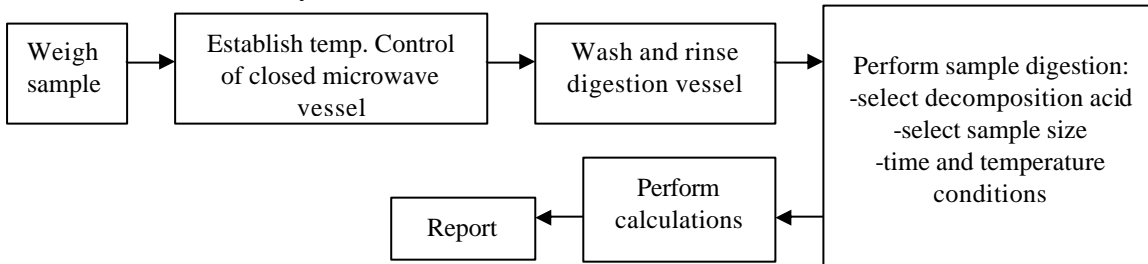
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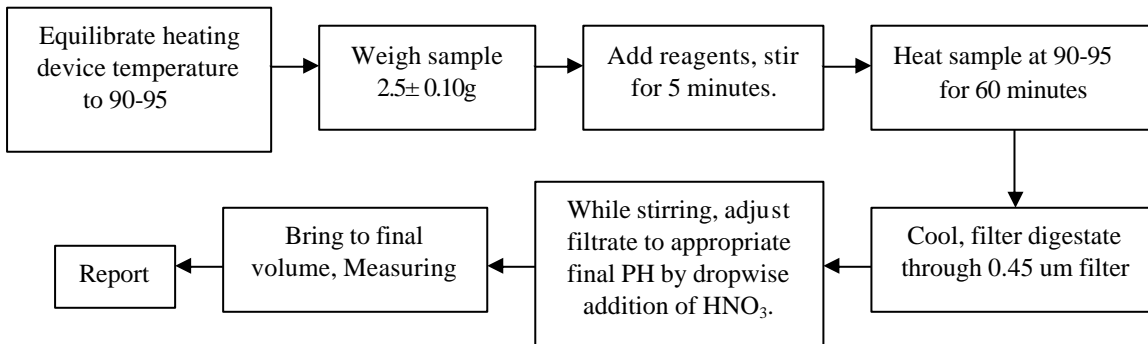
2. To Determine Cadmium Content:



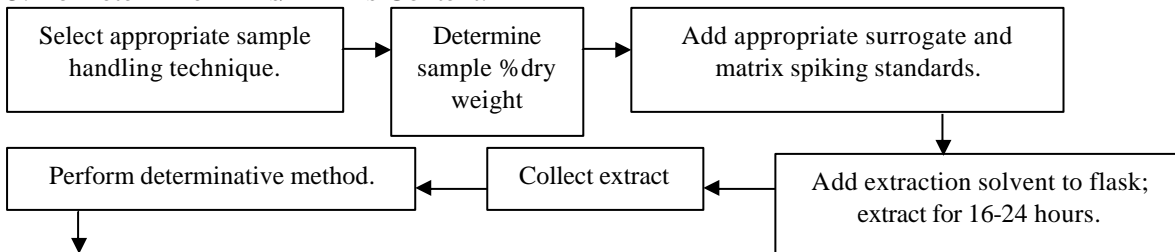
3. To Determine Mercury Content:



4. To Determine Hexavalent Chromium Content:



5. To Determine PBBs/PBDEs Content:



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3.2 Results

3.2.1 Investigation requested

- 1) As specified by client, to determine the Lead, Cadmium, Mercury and Hexavalent Chromium content in the submitted sample in accordance with Directive 2002/95/EC (RoHS).
- 2) As specified by client, to determine the PBB & PBDE content in the submitted sample in accordance with Directive 2002/95/EC (RoHS).

3.2.2 Conclusion

When tested as specified, the submitted sample complied with the requirement of commission Decision of 18 Aug 2005 amending Directive 2002/95/EC notified under document 2005/618/EC.

Item	Unit	Acceptable Limit	No.1	No.2	No.3	No.4
Lead (Pb)	ppm	1000	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	ppm	100	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	ppm	1000	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	ppm	1000	N.D.	N.D.	N.D.	N.D.
Flame Retardants	---	---	---	---	---	---
PolybrominatedBiphenyle (PBBs)	ppm	1000	N.D.	N.D.	N.D.	N.D.
Monobromobiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Tibromobiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl	ppm	1000	N.D.	N.D.	N.D.	N.D.
PolybrominatedDiphenyl ether(PBDEs)	ppm	1000	N.D.	N.D.	N.D.	N.D.
Monobromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.
Tibromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.

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Octabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.	N.D.

Item	Unit	Acceptable Limit	<u>No.5</u>	<u>No.6</u>	<u>No.7</u>
Lead (Pb)	ppm	1000	N.D.	N.D.	64
Cadmium (Cd)	ppm	100	N.D.	N.D.	N.D.
Mercury (Hg)	ppm	1000	N.D.	N.D.	N.D.
Chromium (Cr)	ppm	1000	N.D.	N.D.	N.D.
Flame Retardants	---	---	---	---	---
PolybrominatedBiphenyle (PBBs)	ppm	1000	N.D.	N.D.	N.D.
Monobromobiphenyl	ppm	1000	N.D.	N.D.	N.D.
Dibromobiphenyl	ppm	1000	N.D.	N.D.	N.D.
Tibromobiphenyl	ppm	1000	N.D.	N.D.	N.D.
Tetrabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.
Pentabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.
Hexabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.
Heptabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.
Octabromobiphenyl	ppm	1000	N.D.	N.D.	N.D.
Nonabromodiphenyl	ppm	1000	N.D.	N.D.	N.D.
Decabromodiphenyl	ppm	1000	N.D.	N.D.	N.D.
PolybrominatedDiphenyl ether(PBDEs)	ppm	1000	N.D.	N.D.	N.D.
Monobromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Dibromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Tibromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Octabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.
Decabromodiphenyl ether	ppm	1000	N.D.	N.D.	N.D.

Specimen Description:

No.1 Gray plastic above cover

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- No.2 Gray plastic underside cover
- No.3 Gray plastic bolt
- No.4 Beige plastic above cover
- No.5 Beige plastic underside cover
- No.6 Beige plastic bolt
- No.7 Black soft plastic sealing ring

Note:

-Specimens, which requested to determine Cadmium, Mercury and Lead Content, have been dissolved completely

-ppm = mg/kg

-N.D. = not detected

-N.A. = not applicable

-The measurement results only apply to the submitted samples.

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4 Sample reference photo



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TEST PROTOCOL

RoHS 2002/95/EC

Project no.:

CTS061230-01386-C

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