



周伟 0169-8733355

Test Report

No.: GZSCR050418305/LP

Date: APR 20, 2005

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BRIGHT LED ELECTRONICS CORP.
NO.8, GAO LONG DONG ROAD,
GAO BU TOWN, DONGGUAN CITY

Report on the submitted sample said to be LAMP LED

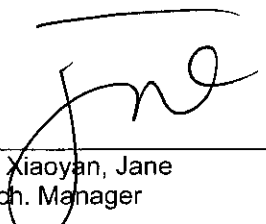
SGS Ref No. : SZ050405273EC-12.5
Sample Receiving Date : APR 04, 2005
Further Information : APR 15, 2005
Testing Period : APR 04, 2005 TO APR 20, 2005

Test Requested : (1) Sample 1 & 2: As specified by client, to determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted samples.
(2) Sample 1: Determination of PBBs (polybrominated biphenyls), PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test method : (1) Sample 1:
Cadmium content : With reference to BS EN 1122:2001 Method B see flowchart (1) .
Lead content : Ashing after wet decomposition see flowchart (2) .
Mercury content – With reference to EPA 3052: 1996.
Hexavalent Chromium content – with reference to EPA 3060A: 1996 & EPA 7196A: 1992 .
Sample 2:
Cadmium content – In-house method, with reference to BS EN1122: 2001 method B.
Lead content – In-house method, with reference to EPA method 3050B: 1996.
Mercury content – In-house method, with reference to EPA 3052: 1996.
Hexavalent Chromium content – with reference to EPA 3060A: 1996 & EPA 7196A: 1992 .
Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.
(2) With reference to SGS in-house method. Analysis was performed by GC/MS.

Results : Please refer to next page.

Signed for and on behalf of
SGS-CSTC Ltd.



He Xiaoyan, Jane
Tech. Manager

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Results :

(1)

	No. 1	No.2
Lead Content (Pb)	N.D.	N.D.
Cadmium Content (Cd)	N.D.	N.D.
Mercury Content (Hg)	N.D.	N.D.
Hexavalent Chromium Content [Cr(VI)]	N.D.	N.D.

Note : - N.D. = Not Detected (< 2 ppm)

- ppm = mg/kg

(2)

Flame Retardants	No. 1	Detection Limit (ppm)
Polybrominated Biphenyls (PBBs)		
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
Nonabromodiphenyl	N.D.	5
Decabromodiphenyl	N.D.	5
Polybrominated Diphenylether (PBDEs)		
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

Note : - N.D. = Not Detected (< 5 ppm)

- ppm = mg/kg

Specimen Description:

No.1 White translucent plastic part

No.2 Silvery metal pin

*** End of Report ***

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GZCM 223663

**Test Report**

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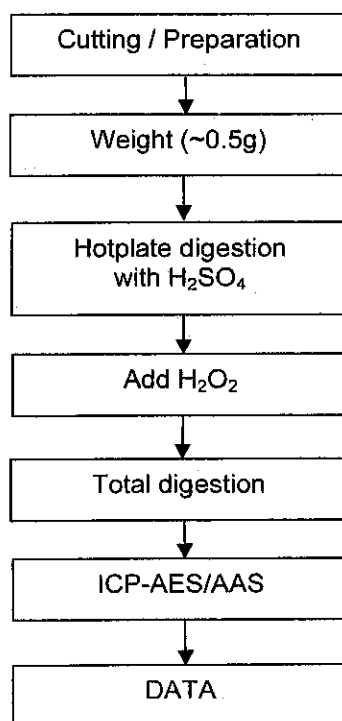
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ATTACHMENTS

(1)

Flow chart of digestion (Cadmium content) :



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator : Sams Deng
Leader : Joe Li

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GZCM 223662



Test Report

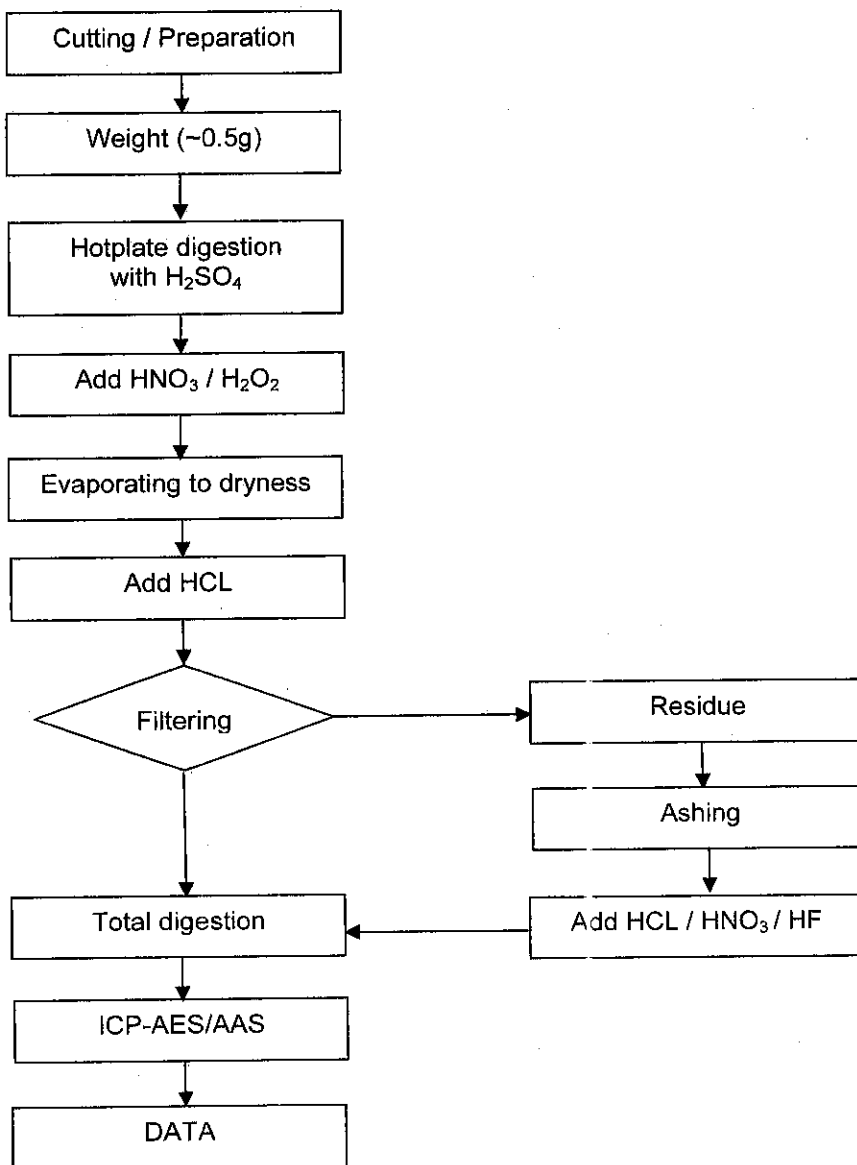
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(2)

Flow chart of digestion (wet decomposition and ashing) (Lead content) :



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator : Vincent Li
Leader : Adams Yu

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