



Test Report

No. 2021809/EC

Date : May 20 2005

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KOUHI TECHNOLOGY (H.K) LIMITED
RM 1212., 12/F., HONGKONG PLAZA,
188 CONNAUGHT ROAD WEST, HONG KONG

Report on the submitted sample said to be LED LAMPS 發光二極管.


SGS Job No. : 1756223
Buyer : SIEMEMS AG
Supplier/Manufacturer : KOUHI TECHNOLOGY (HK) LIMITED
Country of Origin : CHINA
Sample Receiving Date : MAY 03 2005
Testing Period : MAY 04 - 19 2005

Test Requested : 1) To determine the Cadmium Content in the submitted sample.
2) To determine the Lead Content on the submitted sample.
3) To determine the Mercury Content on the submitted sample.
4) To determine the Hexavalent Chromium Content on the submitted sample.
5) To determine the Cadmium, Lead and Mercury content in the submitted metal sample.
6) Determination of PBBs (Polybrominated biphenyls), PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test Method : 1) As specified in BS EN 1122:2001, Method B, analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).
2) As specified in EPA Method 3050B. Analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).
3) As specified in EPA Method 3052. Analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).
4) As specified in EPA Method 3060A & 7196A. The sample was alkaline digested by using EPA Method 3060A, and then analyzed by using Colorimetric method 7196A.
5) In house method. Analysis was performed by Atomic Absorption or Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES).
6) With reference to SGS in-house method. Analysis was performed by GC/MS or LC/MS.

Test Results : 1-6) Please refer to next page.

Signed for and on behalf of
SGS Hong Kong Ltd


Lee Fung Mei, Miranda
Senior Manager

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Test Results :

1-5)

Element	1	2
Cadmium (Cd)	< 2 ppm	< 2 ppm
Lead (Pb)	< 2 ppm	< 2 ppm
Mercury (Hg)	< 2 ppm	< 2 ppm
Hexavalent Chromium (Cr ⁶⁺)	< 2 ppm	< 2 ppm

(Results shown are of the total weight of samples)

Note: < = Less than
ppm = mg/kg

6)

Flame Retardants	1	2	Detection Limit
Polybrominated Biphenyls (PBBs)	---	---	---
Monobromobiphenyl	ND	ND	5 ppm
Dibromobiphenyl	ND	ND	5 ppm
Tribromobiphenyl	ND	ND	5 ppm
Tetrabromobiphenyl	ND	ND	5 ppm
Pentabromobiphenyl	ND	ND	5 ppm
Hexabromobiphenyl	ND	ND	5 ppm
Heptabromobiphenyl	ND	ND	5 ppm
Octabromobiphenyl	ND	ND	5 ppm
Nonabromobiphenyl	ND	ND	5 ppm
Decabromobiphenyl	ND	ND	5 ppm
Polybrominated Diphenylethers (PBDEs)	---	---	---
Monobromodiphenyl ether	ND	ND	5 ppm
Dibromodiphenyl ether	ND	ND	5 ppm
Tribromodiphenyl ether	ND	ND	5 ppm
Tetrabromodiphenyl ether	ND	ND	5 ppm
Pentabromodiphenyl ether	ND	ND	5 ppm
Hexabromodiphenyl ether	ND	ND	5 ppm
Heptabromodiphenyl ether	ND	ND	5 ppm
Octabromodiphenyl ether	ND	ND	5 ppm
Nonabromodiphenyl ether	ND	ND	5 ppm
Decabromodiphenyl ether	ND	ND	5 ppm

Note: ND = Not Detected
Non-detected is lower than detection limit value.

Sample Description :

1. Green Plastic w/ Red Plastic w/ Transparent Plastic
2. Silvery Metal

*** End of Report ***

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