SGS

Test Report

No. 2045482/EC Date : Jan 19 2006

MULTICOMP PRODUCTS MANUFACTURED BY
SWANN INDUSTRIES PTE LTD
Blk 4008, Ang Mo Kio Avenue 10,
#03-06 /10, Techplace 1,
Singapore 569625

Report on the submitted sample said to be Rear Panel Mounting Ned Kelly Neo Indicators.

SGS Job No.	:	1931705
Part Description	:	3151 Series
Buyer	:	PREMIER FARNELL ASIA PTE. LTD.
Supplier	:	SWANN INDUSTRIES PTE LTD
Sample Receiving Date	:	DEC 02 2005
Testing Period	:	DEC 03 - 09 2005

Test Requested : With reference to RoHS Directive 2002/95/EC

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

Test Method :

1) With reference to BS EN 1122:2001, Method B, analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).
2) With reference to EPA Method 3050B/ 3051/ 3052. Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).
3) With reference to EPA Method 3051/ 3052. Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).
4) With reference to in-house method. The sample was digested by acid. Analysis was performed by Atomic Absorption or Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES).
5) With reference to EPA Method 3060A & 7196A. The sample was alkaline digested by using EPA Method 3060A, and then analyzed by using Colorimetric method 7196A (by UV-Vis Spectrophotometer).
6) With reference to EPA Method 3540C/ 3550C. Analysis was performed by GC/MS or LC/ MS.

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

Conclusion : When tested as specified, the submitted sample complies with the requirements of Commission Decision of 18 Aug 2005 amending Directive 2002/95/EC notified under document 2005/618/EC.

Signed for and on behalf of
SGS Hong Kong Ltd

Wan Chi Wai, Leo
Technical Manager

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Test Results :

1-5)

Test Item	1	2	3	Detection Limit	Limit
Cadmium (Cd)	ND	ND	ND	2 ppm	100 ppm
Lead (Pb)	ND	ND	ND	2 ppm	1000 ppm
Mercury (Hg)	ND	ND	ND	2 ppm	1000 ppm
Hexavalent Chromium (Cr^{6+})	ND	ND	ND	2 ppm	1000 ppm

Test Item	4	5	Detection Limit	Limit
Cadmium (Cd)	ND	ND	2 ppm	100 ppm
Lead (Pb)	38ppm	19ppm	2 ppm	1000 ppm
Mercury (Hg)	ND	ND	2 ppm	1000 ppm
Hexavalent Chromium (Cr^{6+})	ND	ND	2 ppm	1000 ppm

Test Item	6	7	Detection Limit	Limit
Cadmium (Cd)	ND	ND	2 ppm	100 ppm
Lead (Pb)	14.27%*	ND	2 ppm	1000 ppm
Mercury (Hg)	ND	ND	2 ppm	1000 ppm
Hexavalent Chromium (Cr^{6+})	ND	ND	2 ppm	1000 ppm

(Results shown are of the total weight of samples)

Note : * = See Remark
ppm = mg/kg
ND = Not Detected
Not detected is reported when the reading is less than detection limit value

Remark: According to the product specification from supplier or manufacturer, it is possible the source of lead in item 6 could be from the glass material of that electronic component which is exempted by RoHS regulatory (Directive 2002/95/EC of The European Parliament and of The Council of 27 January 2003). However, the numerical result of detected restricted substances in item 6 cannot be related back to the concentration of the substances in the original homogeneous material.

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Test Result (Cont'd) :

6)

Flame Retardants	1	2	3	4	5	6	7	Detection Limit	Limit
Polybrominated Biphenyls (Mono – Deca)	ND	ND	ND	ND	ND	ND	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Dibromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Tribromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Tetrabromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Pentabromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Hexabromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Heptabromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Octabromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Nonabromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Decabromobiphenyl	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Polybrominated Diphenylethers (Mono – Nona)	ND	ND	ND	ND	ND	ND	ND	45 ppm	1000 ppm
Monobromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Dibromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Tribromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Pentabromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Hexabromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Heptabromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Octabromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Nonabromodiphenyl ether	ND	ND	ND	ND	ND	ND	ND	5 ppm	--
Decabromodiphenyl ether*	ND	ND	ND	ND	ND	ND	ND	5 ppm	See remark

Note : ppm = mg/kg
ND = Not Detected
Not detected is reported when the reading is less than detection limit value.

Remark: * Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.

Sample Description :

1. Black Plastic w/ Off White Printing (Cable Jacket)
2. Transparent Red Plastic (Light Bulb Protector)
3. Black Plastic (Light Bulb Case)
4. Bronze Metal (Light Bulb Pin) w/ Silvery Metal (Filament and Filament Holder) w/ Golden Metal (Terminal)
5. White Ceramic w/ Multi-Color Coating w/ Silvery Metal (Resistor)
6. Transparent Glass (Light Bulb)
7. Silvery Metal (Wire)

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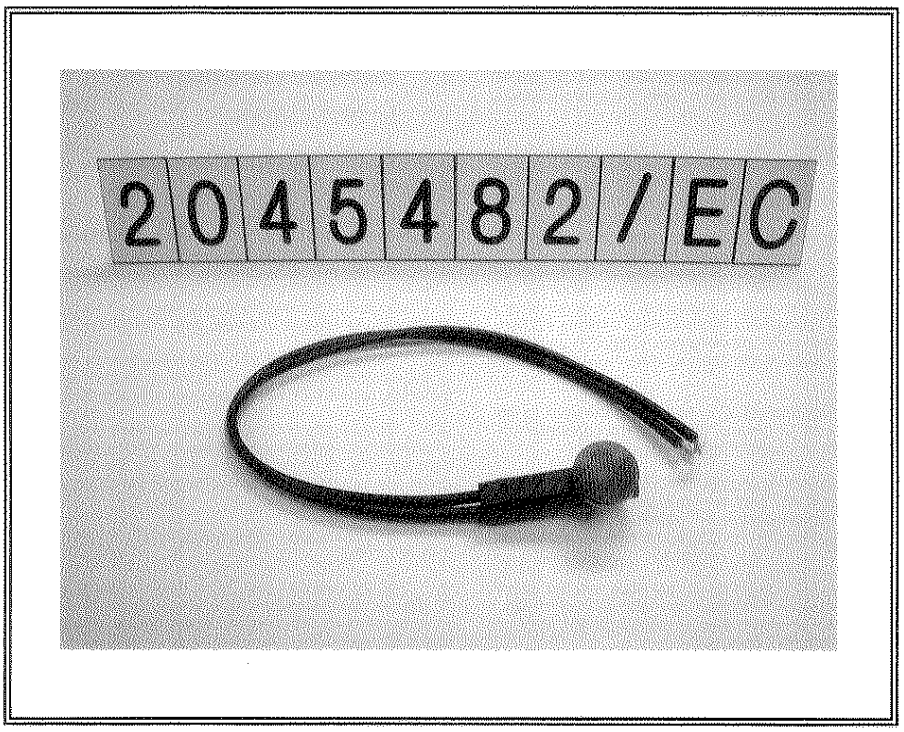
PHOTO APPENDIX



SGS authenticate the photo on original report only

*** End of Report ***