



ISOCOM
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UNITED KINGDOM

Date: 21 August 2006

Attn: Ron Clarke

REPORT **BAE 103126/1** ON SUBMITTED SAMPLE RECEIVED ON 10/08/2005
Testing Conducted Between 10/08/05 and 17/08/05

Sample Description: Photo Coupler

Sample Reference: 4N/CNW/CNX/CNY/H11/ILD/ILQ/IS/ISD/ISP/ISPD/ISQ/MCA/MCT/MOC/PC/PS/
SFH/TIL/TL/TLP

Tests Required: For determination of total Cadmium, Chromium(VI), Lead and Mercury in accordance with Directive 2002/95/EC as amended by Directive 2005/618/EC.
(please note that this testing was conducted at another laboratory in the SGS group of companies)

Please note that the materials of each sample were mixed together and the sample was tested as a homogenous material at the request of ISOCOM.

Results:

Analysis of samples for total elements was carried out using Inductively Coupled Plasma Mass Spectrometry or Ultra-Violet Visible Spectrometry.

Element	Limit (mg/Kg)	Detection Limit (mg/Kg)	Results (mg/Kg)
			Sample 1
Cadmium	100	2	<5
Lead	1000	2	<5
Mercury	1000	2	<5
Chromium (VI)	1000	2	<5


Details of Analytical Samples:

1. Photo Coupler -

4N/CNW/CNX/CNY/H11/ILD/ILQ/IS/ISD/ISP/ISPD/ISQ/MCA/MCT/MOC/PC/PS/SFH/TIL/TL/TLP

Conclusion:

The homogenised samples as tested complied with the heavy metals requirements of Directive 2002/95/EC as amended by Directive 2005/618/EC.

Signed 

Jean Pine, BSc (Hons)
Analytical Chemist, Hardlines Department

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**Tests Required:**

Detection of Polybrominated Biphenyls and Polybrominated Diphenyl Ethers in accordance with Directive 2002/95/EC as amended by Directive 2005/618/EC.
(please note that this testing was conducted at another laboratory within the SGS group of companies)

Please note that the materials of each sample were mixed together and the sample was tested as a homogenous material at the request of ISOCOM.

Results:

PBB and PBDE detection was carried out by LC-MS and GC-MS with a detection limit of 5 mg/kg.

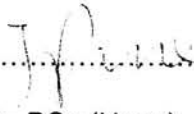
Test Items	Limit (mg/kg)	Result (mg/kg)
Polybrominated Biphenyls (PBBs)		
		Sample 1
Bromobiphenyl	1000	<5
Dibromobiphenyl	1000	<5
Tribromobiphenyl	1000	<5
Tetrabromobiphenyl	1000	<5
Pentabromobiphenyl	1000	<5
Hexabromobiphenyl	1000	<5
Heptabromobiphenyl	1000	<5
Octabromobiphenyl	1000	<5
Nonabromobiphenyl	1000	<5
Decabromobiphenyl	1000	<5
Polybrominated Diphenyl Ethers (PBDEs)		
		Sample 1
Bromodiphenyl ether	1000	<5
Dibromodiphenyl ether	1000	<5
Tribromodiphenyl ether	1000	<5
Tetrabromodiphenyl ether	1000	<5
Pentabromodiphenyl ether	1000	<5
Hexabromodiphenyl ether	1000	<5
Heptabromodiphenyl ether	1000	<5
Octabromodiphenyl ether	1000	<5
Nonabromodiphenyl ether	1000	<5

Details of Analytical Samples:

1. Photo Coupler -
4N/CNW/CNX/CNY/H11/ILD/ILQ/IS/ISD/ISP/ISPD/ISQ/MCA/MCT/MOC/PC/PS/SFH/TIL/TL/TLP

Conclusion:

The homogenised samples as tested complied with the PBB and PBDE requirements of Directive 2002/95/EC as amended by Directive 2005/618/EC.

Signed 

Jean Pine, BSc (Hons)
Analytical Chemist, Hardlines Department

*** End of Report ***