



## SHANGHAI NANYA COPPER CLAD LAMINATE CO.,LTD

ADD:NO. 158 CHANGXIANG ROAD NANXIANG SHANGHAI, CHINA

HTTP:WWW.CCL-CHINA.COM

Tel:21-69178517 fax:21-69178833

# ROHS

Dear Customer:

Shanghai Nanya Copper Clad Laminate CO.,Ltd complies with the Waste of Electrical and Electronic Equipment(WEEE) directive 2002/96/EWG,which regulates the end of life disposal and recycling of electrical waste.This directive restricts the disposal of products containing specific halogen based.Flame retardants.We also comply with the Restriction of Hazardous Substance(RoHS) directive(2002/95/EWG)

Shanghai Nanya Copper Clad Laminate CO.,Ltd confirms that our products do not contain any substances restricted by the WEEE directive.Halogen compounds of the type Polybrominated biphenyls(PBB) or Polybrominated biphenylethers(PBBE or PBDE) restricted by WEEE are not used in Shanghai Nanya's products.

The Restriction of Hazardous Substances(RoHS) directive(2002/95/EWG) prohibits the use of the following substances:

**Cadmium**

**Hexa-valent Chromium**

**Lead**

**Mercury**

**Polybrominated biphenyls and Polybrominated biphenylethers**

Shanghai Nanya Copper Clad Laminate CO.,Ltd confirms that,to the best of our acknowledge,our products do not contain any of the substances prohibited by directive RoHS(2002/95/EWG)

For general information,please refer to the Material Safety Data Sheet for the specific product in use.

Thanks

Lijia Zhang

(Export Sales Manager)

Shanghai Nanya Copper Clad Laminate Co.,Ltd



**SHANGHAI NANYA COPPER CLAD LAMINATE CO.,LTD****NO.158 CHANGXIANG ROAD NANXIANG SHANGHAI P.R.CHINA**

The following samples(s) was/were submitted and identified on behalf of the applicant as:

Sample Name : CCL  
SGS Ref No. : SHEC0050613262-2  
Model : FR-4

Sample Receiving Date : June 08,2005  
Testing Period : June 08 to June 13,2005

Test Requested : 1)To determine the Cadmium Content of the submitted sample.  
2)To determine the Lead content of the submitted sample  
3)To determine Mercury Content of the submitted sample  
4)To determine Hexavalent Chromium content of the submitted sample  
5)To determine the PBBs(Polybrominated biphenyls) PBDEs(PBDES)  
(Polybrominated biphenyl ethers) Content of the submitted sample.

Test method : 1)With reference to BS EN 1 122:2001,Method B or other acid digestion.  
Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry(ICP-AES) or Atomic Absorption Spectrometry.  
2)With reference to US EPA Method 3050B or other acid digestion  
Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry(ICP-AES) or Atomic Absorption Spectrometry  
3)With reference to US EPA 3052/EPA7473 or other acid digestion  
Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry(ICP-AES)/Hg Analyzer  
4)With Reference to US EPA3060A and US EPA7196A  
Analysis was performed by UV-VIS Spectrometric method  
5)With reference to USEPA 8081/8270C/3540C/3550B,Analysis was performed by GC/MS.

Test Results : Pls refer to next page

Signed for and on behalf of  
SGS-CSTC Chemical Laboratory



Ella Zhang  
Supervisor

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**SHCH 285834**



Test Result:

No.	Item	Unit	MDL	A
1	Cadmium(Cd)	ppm	2	N.D.
2	Lead(Pb)	ppm	2	N.D.
3	Mercury(Hg)	ppm	2	N.D.
4	Hexavalent Chromium(Cr VI)	ppm	2	N.D.
5	PBBs(Polybrominated biphenyls)	---	---	---
	PBBs(Bromobiphenyl)	ppm	5	N.D.
	PBBs(Dibromobiphenyl)	ppm	5	N.D.
	PBBs(Tribromobiphenyl)	ppm	5	N.D.
	PBBs(Tetrabromobiphenyl)	ppm	5	N.D.
	PBBs(Pentabromobiphenyl)	ppm	5	N.D.
	PBBs(Hexabromobiphenyl)	ppm	5	N.D.
	PBBs(Heptabromobiphenyl)	ppm	5	N.D.
	PBBs(Octabromobiphenyl)	ppm	5	N.D.
	PBBs(Nonabromobiphenyl)	ppm	5	N.D.
	PBBs(Polybrominated biphenyls)	ppm	5	N.D.
	PBBEs(PBDEs)(Polybrominated biphenyl ethers)	---	---	---
	PBBEs(PBDEs)(Monobromobiphenyl ether)	ppm	5	N.D.
	PBBEs(PBDEs)(Dibromobiphenyl ether)	ppm	5	N.D.
	PBBEs(PBDEs)(Tribromobiphenyl ether)	ppm	5	N.D.
	PBBEs(PBDEs)(Tetrabromobiphenyl ether)	ppm	5	N.D.
	PBBEs(PBDEs)(Pentabromobiphenyl ether)	ppm	5	N.D.
	PBBEs(PBDEs)(Hexabromobiphenyl ether)	ppm	5	N.D.
	PBBEs(PBDEs)(Heptabromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Octabromobiphenyl ether)	ppm	5	N.D.	
PBBEs(PBDEs)(Nonabromobiphenyl ether)	ppm	5	N.D.	
PBBEs(PBDEs)(Decabromobiphenyl ether)	ppm	5	N.D.	

Sample Appearance Description:

A.White plastic board with copper metal

Note:

ppm=mg/kg

MDL=Method Detection Limit

N.D.=Not detected.(<MDL)



\*\*\*End of Report\*\*\*

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SHCH 285833

# Certificate of Green Partner

Presented To:

**SHANGHAI NANYA COPPER CLAD LAMINATE CO., LTD.**

(上海南亚覆铜箔板有限公司)

This is to certify that you have successfully established  
an environmental management system  
that has met the requirements of the Sony Green Partner Program

Term of Validity : **2003-9-1~2005-8-31**

Issued on : **2003-9-1**

Approved and Issued by : Procurement Global Head Office,  
Sony Corporation

Certificate Number: SCSC-GP006



**Shigeki Nomoto**

Head of Procurement Global Head Office, Global Professional Solutions, Sony Corporation



**Etsuo Sakata**

Sony Chemicals (Suzhou) Co., Ltd.

**SONY**