

ICP analyzed data of heavy metals in the plastic materials  
which are used in correspondence capacitors.

Examination Center: SGS

Item	Material name	Type	Maker	Report NO.	Cd(ppm)	Pb(ppm)
RV2 series	Winding tape	PPS	NITTO DENKO Corp.	2087203/LD	<2	<2
	Sealing rubber	IIR	YU FENG RUBBER INDUSTRY Co.,Ltd.	2075466/LD	<2	<2
	Pedestal	PPS	SHINAGAWA GOUSEI CO.,LTD.	2085345/LD	<2	<2
	Printing ink	Black	KUBOI INK Co.,Ltd.	2087200/LD	<2	<2



# Test Report

No. 2087203/LD

Date : Jul 08 2004

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ELNA CO., LTD.  
ENGINEERING & DEVELOPMENT DEPT.  
9-32, SUGIYAME, NISHIGORNURA, FUKUSIMA, 961-8031, JAPAN

Report on the submitted sample said to be E04-010.

SGS Job No. : 1565031  
Elna Ref. No. : E04-010  
Sample Receiving Date : JUN 25 2004  
Testing Period : JUN 26-JUL 07 2004

Test Requested : 1) To determine the Cadmium content on the submitted sample in accordance with the EEC Directive 91/338/EEC.  
2) To determine the Lead content on 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).

Test Results	Tests	1	Limit
	1) Cadmium (Cd)	< 2 ppm	100 ppm
	2) Lead (Pb)	< 2 ppm	--

(Results shown are of the total weight of sample)

### Sample Description :

1. Almond Plastic [D04-008, Encapsulant (PPS)]

Note: < = Less than  
ppm = mg/kg

Conclusion : When tested as specified method, the submitted sample complies with the Cadmium Requirements of the EEC Directive 91/338/EEC.

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

Signed for and on behalf of  
SGS Hong Kong Ltd.

素子止めテープ (PPS) : 日東電工(株)  
Winding tape (PPS) : NITTO DENKO Corp.

Lee Fung Mei, Miranda  
Senior Manager

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**Test Report**

No. 2075466/LD

Date : Feb 19 2004

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ELNA CO., LTD.  
ENGINEERING & DEVELOPMENT DEPT.  
9-32, SUGIYAMA,  
NISHIGOMURA,  
FUKUSIMA,  
961-8031, JAPAN

Report on the submitted samples said to be SEALING RUBBER.

SGS Job No. : 1482578  
ELNA Ref. No. : E04-001  
Sample Receiving Date : FEB 11 2004  
Testing Period : FEB 12-17 2004

Test Requested : 1) To determine the Cadmium content on the submitted sample in accordance with the EEC Directive 91/338/EEC.  
2) To determine the Lead content on 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).

Test Results	Tests	1	Limit
	1) Cadmium (Cd)	< 2 ppm	100 ppm
	2) Lead (Pb)	< 2 ppm	--

(Results shown are of the total weight of the sample)

Sample Description :

1. Black Plastic (A04-001) (IIR/YU FENG)

Note : < = Less than  
ppm = mg/kg

Conclusion : When tested as specified, the submitted sample complies with the Cadmium Requirements of the EEC Directive 91/338/EEC.

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

Signed for and on behalf of  
SGS Hong Kong Ltd.

封口ゴム (IIR) : 毅豊 (株)  
Sealing rubber (IIR) : YU FENG RUBBER INDUSTRY Co., Ltd.

Lee Fung Mei, Miranda  
Senior Manager

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**Test Report**

No. 2085345/LD

Date : Jul 06 2004

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ELNA CO., LTD.  
9-32, SUGIYAMA, NISHIGOMURA,  
FUKUSIMA, 961-8031,  
JAPAN

Report on the submitted sample said to be PLASTIC.

SGS Job No. : 1551929  
Elna Ref. No. : E04-006  
Sample Receiving Date : JUN 07 2004  
Testing Period : JUN 08 - 16 2004

Test Requested : 1) To determine the Cadmium content on the submitted sample in accordance with the EEC Directive 91/338/EEC.  
2) To determine the Lead content on 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).

Test Results	Tests	1	Limit
	1) Cadmium (Cd)	< 2 ppm	100ppm
	2) Lead (Pb)	< 2 ppm	--

(Results shown are of the total weight of the sample)

Sample Description :

1. Black Plastic [Pedestal (Shinagawa)] (A04-16)

Notes : < = Less than  
ppm = mg/kg

Conclusion : When tested as specified, the submitted sample complies with the Cadmium Requirements of the EEC Directive 91/338/EEC.

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

Signed for and on behalf of  
SGS Hong Kong Ltd

座板 : 品川合成 (株) Pedestal : SHINAGAWA GOUSEI CO., LTD.
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Lee Fung Mei, Miranda  
Senior Manager

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H10840605



## Test Report

No. 2087200/LD

Date : Jul 08 2004

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ELNA CO., LTD.  
ENGINEERING & DEVELOPMENT DEPT.  
9-32, SUGIYAME, NISHIGORNURA, FUKUSIMA, 961-8031, JAPAN

Report on the submitted sample said to be E04-010.

SGS Job No. : 1565031  
Elna Ref. No. : E04-010  
Sample Receiving Date : JUN 25 2004  
Testing Period : JUN 26-JUL 07 2004

Test Requested : 1) To determine the Cadmium content on the submitted sample in accordance with the EEC Directive 91/338/EEC.  
2) To determine the Lead content on 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).

Test Results	Tests	1	Limit
	1) Cadmium (Cd)	< 2 ppm	100 ppm
	2) Lead (Pb)	< 2 ppm	--

(Results shown are of the total weight of sample)

### Sample Description :

1. Black Paint [A04-024, Printing Ink (RV)]

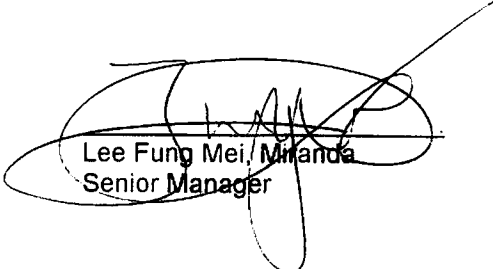
Note: < = Less than  
ppm = mg/kg

Conclusion : When tested as specified method, the submitted sample complies with the Cadmium Requirements of the EEC Directive 91/338/EEC.

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

Signed for and on behalf of  
SGS Hong Kong Ltd.

印刷インク(RV) : 久保井インク(株)  
Printing ink : KUBOI INK Co.,Ltd.

  
Lee Fung Mei, Miranda  
Senior Manager

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H10845935