

Test Results (Cont'd) :

No.	Forbidden Amines Substances	CAS-No.	Red Paste
1.	4-aminodiphenyl/xenylamine/ Biphenyl-4-ylamine	92-67-1	n.d.
2.	Benzidine	92-87-5	n.d.
3.	4-chlor- <i>o</i> -toluidine	95-69-2	n.d.
4.	2-naphthylamine	91-59-8	n.d.
5.	<i>o</i> -aminoazotoluene/ 4- <i>o</i> -tolylazo- <i>o</i> -toluidine/ 4-amino-2',3'-dimethylazobenzene	97-56-3	n.d.
6.	2-amino-4-nitrotoluol/5-nitro- <i>o</i> -toluidine	99-55-8	n.d.
7.	<i>p</i> -chloranilin/4-chloroaniline	106-47-8	n.d.
8.	2,4-diaminoanisol/ 4-methoxy- <i>m</i> -phenylenediamine	615-05-4	n.d.
9.	4,4'-diaminodiphenylmethane/ 4,4'-methylenedianiline	101-77-9	n.d.
10.	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	n.d.
11.	3,3'-dimethoxybenzidine/ <i>o</i> -dianisidine	119-90-4	n.d.
12.	3,3'-dimethylbenzidine/4,4'-bi- <i>o</i> -Toluidine	119-93-7	n.d.
13.	3,3'-dimethyl-4,4'-diaminodipenylmethane/ 4,4'-methylenedi- <i>o</i> -toluidine	838-88-0	n.d.
14.	<i>p</i> -cresidin/6-methoxy- <i>m</i> -toluidine	120-71-8	n.d.
15.	4,4'-methylen-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	n.d.
16.	4,4'-oxydianiline	101-80-4	n.d.
17.	4,4'-thiodianiline	139-65-1	n.d.
18.	<i>o</i> -toluidine/2-aminotoluene	95-53-4	n.d.
19.	2,4-toluyldiamine/ 4-methyl- <i>m</i> -phenylenediamine	95-80-7	n.d.
20.	2,4,5-trimethylaniline	137-17-7	n.d.
21.	4-aminoazobenzene*	60-09-3	n.d.
22.	<i>o</i> -anisidine/ 2-methoxyaniline	90-04-0	n.d.
23.	2,4-Xylidine	95-68-1	n.d.
24.	2,6-Xylidine	87-62-7	n.d.
Overall Rating			PASS

Relevant Requirement (2002/61/EC) :

No relevant amine exceeding 30 ppm (mg/kg)

Note : n.d. = not detectable

Detection Limit = 5 ppm (mg/kg)

*: the EN 14362 - 1 method will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine, therefore, the test method of § 35 LMBG 82.02.Z was employed to verify the presence of 4-aminoazobenzene

*** End of Report ***

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57F 119023



Test Report

No. 2036560/EC

Date : Sep 22 2005

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Test Results

1)

<u>Compounds</u>	<u>Red Paste</u>	<u>Detection Limit</u>
PCBs (Polychlorinated Biphenyls)	ND	5 ppm

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

2)

<u>Compounds</u>	<u>Red Paste</u>	<u>Detection Limit</u>
1-Chloronaphthalene	ND	0.5 ppm
2-Chloronaphthalene	ND	0.5 ppm
1,4-Dichloronaphthalene	ND	0.5 ppm
1,2,3-Trichloronaphthalene	ND	0.5 ppm
1,2,3,4-Tetrachloronaphthalene	ND	0.5 ppm
1,2,3,4,5-Pentachloronaphthalene	ND	0.5 ppm
Octachloronaphthalene	ND	1.0 ppm

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

3)

<u>Compounds</u>	<u>Red Paste</u>	<u>Detection Limit</u>
Chlorinated Paraffin	ND	50 ppm

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

4)

<u>Test Item</u>	<u>Red Paste</u>	<u>Detection Limit</u>
Tributyltin (TBT)	ND	0.02 ppm
Triphenyltin (TPT)	ND	0.02 ppm

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

5)

<u>Formaldehyde Content</u>	<u>Red Paste</u>	<u>Detection Limit</u>
	ND	10 mg/kg

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

6)

<u>Sample</u>	<u>Conclusion</u>
Red Paste	The sample does not contain Poly (Vinyl chloride)

7)

<u>Compounds</u>	<u>Red Paste</u>
Asbestos Fibres	Not - detected

Remark : Test was conducted by outsider laboratory

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Test Report

No. 2036560/EC

Date : Sep 22 2005

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FUJI CHEMICAL INDUSTRIAL CO., LTD.
2-3-2, NAGATA HIGASHI
HIGASHI OSAKA-CITY,
OSAKA 577-0012 JAPAN

Report on the submitted sample said to be SEAL-GLO NE3000S.

SGS Job No. : 1861492
SGS Ref. No. : SZECO050918868EC-3.1
Item No. : JAPAN
Sample Receiving Date : SEP 09 2005
Testing Period : SEP 09 - 20 2005

Test Requested : 1) To determine of PCBs (Polychlorinated biphenyl) of submitted sample.
2) To determine of Polychlorinated Naphthalene of the submitted sample.
3) To determine of Chlorinated Paraffin (C10~C13) of the submitted sample.
4) To determine the Tributyltin (TBT), Triphenyltin (TPT) of the submitted sample.
5) To determine Formaldehyde Content in the submitted sample.
6) Identification of PVC Material.
7) To determine the Asbestos Fibres in the submitted sample.
8) Analysis of Azo Dye on the submitted sample.

Test Method : 1) With reference to SGS in-house method. Analysis was performed by GC/ECD.
2) With reference to SGS in-house method. Analysis was performed by GC/MS.
3) With reference to SGS in-house method. Analysis was performed by GC/ECD.
4) With reference to DIN 38407-13. Analysis was performed by GC/MS.
5) With reference to BS EN ISO 14184-1:1999 – Determination of Formaldehyde Part 1: Free and hydrolyzed formaldehyde (water extraction method).
6) With reference to SGS in-house method. Analysis was performed by Fourier Transform Infrared Spectroscopy.
7) In-house method-TPE/002/A of "Identification of Asbestos Bulk Samples" which is based on the Asbestosis Research Council's Technical Note 3, "Recommendations for the Sampling and Identification of Asbestos in Asbestos Products".
8) As per EN 14362-1:2003 & § 35 LMBG 82.02.Z (July 2004) - Direct test on coloured textiles – Detection of the use of certain azo colorants that are accessible to reducing agents without extraction with the use of Gas Chromatographic Mass Spectrometry (GC-MS)/Thin Layer Chromatography (TLC) Technique

Test Results : 1-8) Please refer to next page.

Comment : 8) Based on the test result, azo colorants which can release one or more of the listed amines by cleavage of their azo group/s were not detected in sample (s) or the commodity submitted.

Forbidden Arylamines for Azo Dye Regulations

- No. 1-22 – Commission of the European Communities: Directive 2002/61/EC adopted by the Council on 19 July 2002
- No. 1-20, 22-24 – Client requirement

Remark : Test was conducted in SGS Hong Kong Limited

Signed for and on behalf of
SGS Hong Kong Ltd


Ho Ka Ting, Family
Laboratory Executive

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SF 119021



Test Report

No. 2035828/EC

Date : Sep 22 2005

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Test Results :

Test Item	1	Detection Limit	Limit of RoHS Consultant Document
1) Cadmium (Cd)	ND	2 ppm	100 ppm
2) Lead (Pb)	ND	2 ppm	1000 ppm
3) Mercury (Hg)	ND	2 ppm	1000 ppm
4) Hexavalent Chromium (Cr ⁶⁺)	ND	2 ppm	1000 ppm

(Results shown are of the total weight of samples)

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

5)

Flame Retardants	1	Detection Limit	Limit of RoHS Consultant Document
Polybrominated Biphenyls (PBBs)	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	5 ppm	--
Dibromobiphenyl	ND	5 ppm	--
Tribromobiphenyl	ND	5 ppm	--
Tetrabromobiphenyl	ND	5 ppm	--
Pentabromobiphenyl	ND	5 ppm	--
Hexabromobiphenyl	ND	5 ppm	--
Heptabromobiphenyl	ND	5 ppm	--
Octabromobiphenyl	ND	5 ppm	--
Nonabromobiphenyl	ND	5 ppm	--
Decabromobiphenyl	ND	5 ppm	--
Polybrominated Diphenylethers (PBDEs)	ND	50 ppm	1000 ppm
Monobromodiphenyl ether	ND	5 ppm	--
Dibromodiphenyl ether	ND	5 ppm	--
Tribromodiphenyl ether	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	5 ppm	--
Pentabromodiphenyl ether	ND	5 ppm	--
Hexabromodiphenyl ether	ND	5 ppm	--
Heptabromodiphenyl ether	ND	5 ppm	--
Octabromodiphenyl ether	ND	5 ppm	--
Nonabromodiphenyl ether	ND	5 ppm	--
Decabromodiphenyl ether	ND	5 ppm	--

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

Sample Description :
 1. Red Paste

*** End of Report ***

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119020

Test Report

No. 2035828/EC

Date : Sep 22 2005

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FUJI CHEMICAL INDUSTRIAL CO., LTD.
2-3-2, NAGATA HIGASHI
HIGASHI OSAKA-CITY,
OSAKA 577-0012 JAPAN

Report on the submitted sample said to be SEAL-GLO NE3000S.

SGS Job No. : 1861492
SGS Ref. No. : SZECO050918868EC-3.1
Item No. : JAPAN
Sample Receiving Date : SEP 09 2005
Testing Period : SEP 09 - 20 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 Hexavalent Chromium Content on the submitted sample.
5) 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 EPA Method 3060A & 7196A. The samples were alkaline digested by using EPA Method 3060A, and then analyzed by using Colorimetric method 7196A.
5) With reference to SGS in-house method. Analysis was performed by GC/MS or LC/ MS.

Test Results : 1-5) Please refer to next page.

Conclusion : When tested as specified, the submitted sample complies with the requirements of RoHS Directive Consultation document on 2002/95/EC.

Remark : Test was conducted in SGS Hong Kong Limited

Signed for and on behalf of
SGS Hong Kong Ltd



Ho Ka Ting Family
Laboratory Executive

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REF 119019

2/F Oastar Building, Zhongkang Road, Shangmeilin, Shenzhen China 518049 t (86-755)83114358 f (86-755)83182782 www.sgscstc.com

中国·深圳·上梅林中康路奥士达大厦2楼 邮编: 518049 t (86-755)83114358 f (86-755)83182782 e sgs_china@sgs.com