



# Test Report

SHIXING KINGBOARD MANUFACTURING FACTORY  
BAOSHI INDUSTRIAL DISTRICT, SHISHIXIA AREA,  
TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
CITY, CHINA


Report No. : CE/2004/C4465  
Date : 2004/12/30  
Page : 1 of 14

**The following merchandise was (were) submitted and identified by the client as :**

Type of Product : COPPER CLAD LAMINATE  
Style/Item No : KB-3150  
Buyer/Order No : SONY  
Sample Received : 2004/12/23  
Testing Date : 2004/12/23 TO 2004/12/30

=====

**Test Result** : - Please see the next page -

  
Daniel Yeh, M.R. / Operation Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.

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 CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 2 of 14

## Test Result

PART NAME NO.1 : BROWN LAMINATE

| Test Item (s):                     | Unit | Method   | MDL | Result   |  |  |  |  |
|------------------------------------|------|--|-----|----------|--|--|--|--|
|                                    |      |  |     | No.1     |  |  |  |  |
| Asbestos                           |      |  |     |          |  |  |  |  |
| Anthrophyllite(CAS NO.017068-78-9) | **   | As per NIOSH 9000 method. Analysis was performed by XRD. | -   | Negative |  |  |  |  |
| Crocodolite(CAS NO.012001-28-4)    | **   | As per NIOSH 9000 method. Analysis was performed by XRD. | -   | Negative |  |  |  |  |
| Amosite(CAS NO.012172-73-5)        | **   | As per NIOSH 9000 method. Analysis was performed by XRD. | -   | Negative |  |  |  |  |
| Tremolite(CAS NO.014567-73-8)      | **   | As per NIOSH 9000 method. Analysis was performed by XRD. | -   | Negative |  |  |  |  |
| Chrysotile(CAS NO.012001-29-5)     | **   | As per NIOSH 9000 method. Analysis was performed by XRD. | -   | Negative |  |  |  |  |
| Actinolite(CAS NO.013768-00-8)     | **   | As per NIOSH 9000 method. Analysis was performed by XRD. | -   | Negative |  |  |  |  |

| Test Item (s):                        | Unit | Method                           | MDL | Result |  |  |  |  |
|---------------------------------------|------|----------------------------------|-----|--------|--|--|--|--|
|                                       |      |                                  |     | No.1   |  |  |  |  |
| AZO                                   |      | As per LMBG 8202-2               |     |        |  |  |  |  |
| 4-AMINODIPHENYL (CAS NO.92-67-1)      | ppm  | Analysis was performed by GC/MS. | 3   | N.D.   |  |  |  |  |
| BENZIDINE (CAS NO.92-87-5)            | ppm  | Analysis was performed by GC/MS. | 3   | N.D.   |  |  |  |  |
| 4-CHLORO-O-TOLUIDINE (CAS NO.95-69-2) | ppm  | Analysis was performed by GC/MS. | 3   | N.D.   |  |  |  |  |
| 2-NAPHTHYLAMINE (CAS NO.91-59-8)      | ppm  | Analysis was performed by GC/MS. | 3   | N.D.   |  |  |  |  |

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CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 3 of 14

| Test Item (s):  | Unit | Method                              | MDL | Result |  |  |  |  |
|---|------|-------------------------------------|-----|--------|--|--|--|--|
|   |      |                                     |     | No.1   |  |  |  |  |
| O-AMINOAZOTOLUENE<br>(CAS NO.97-56-3)                             | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 2-AMINO-4-<br>NITROTOLUENE (CAS<br>NO.99-55-8)                    | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| P-CHLOROANILINE (CAS<br>NO.106-47-8)                              | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 2,4-DIAMINOANISOLE<br>(CAS NO.615-05-4)                           | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 4,4-<br>DIAMINODIPHENYLMETHA<br>NE (CAS NO.101-77-9)              | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 3,3-DICHLOROBENZIDINE<br>(CAS NO.91-94-1)                         | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 3,3-<br>DIMETHOXYBENZIDINE<br>(CAS NO.119-90-4)                   | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 3,3-DIMETHYLBENZIDINE<br>(CAS NO.119-93-7)                        | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 3,3-DIMETHYL-4,4-<br>DIAMINODIPHENYLMETHA<br>NE (CAS NO.838-88-0) | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| P-CRESIDINE(2-METHOXY-<br>5-METHYLANILINE) (CAS<br>NO.120-71-8)   | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 4,4-METHYLENE-BIS-(2-<br>CHLORANILINE) (CAS<br>NO.101-14-4)       | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 4,4-OXYDIANILINE (CAS<br>NO.101-80-4)                             | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| 4,4-THIODIANILINE (CAS<br>NO.139-65-1)                            | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |
| O-TOLUIDINE (CAS NO.95-<br>53-4)                                  | ppm  | Analysis was performed by<br>GC/MS. | 3   | N.D.   |  |  |  |  |

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 TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
 CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 4 of 14

| Test Item (s):                              | Unit | Method                           | MDL | Result |  |  |  |  |
|---|------|----------------------------------|-----|--------|--|--|--|--|
|   |      |                                  |     | No.1   |  |  |  |  |
| 2,4-TOLUYLENDIAMINE<br>(CAS NO.95-80-7)     | ppm  | Analysis was performed by GC/MS. | 3   | N.D.   |  |  |  |  |
| 2,4,5-TRIMETHYLANILINE<br>(CAS NO.137-17-7) | ppm  | Analysis was performed by GC/MS. | 3   | N.D.   |  |  |  |  |
| O-ANISIDINE (CAS NO.90-04-0)                | ppm  | Analysis was performed by GC/MS. | 3   | N.D.   |  |  |  |  |
| P-AMINOAZOBENZENE<br>(CAS NO.60-09-3)       | ppm  | Analysis was performed by GC/MS. | 3   | N.D.   |  |  |  |  |

| Test Item (s):                            | Unit | Method   | MDL | Result  |  |  |  |  |
|---|------|--|-----|---------|--|--|--|--|
|   |      |  |     | No.1    |  |  |  |  |
| Halogen-Bromine (Br)(CAS No:007726-95-6)  | ppm  | Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method. | 50  | 13600.0 |  |  |  |  |
| Halogen-Chlorine (Cl)(CAS No:007782-50-5) | ppm  | Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method. | 50  | N.D.    |  |  |  |  |

| Test Item (s):                            | Unit | Method   | MDL | Result |  |  |  |  |
|---|------|--|-----|--------|--|--|--|--|
|   |      |  |     | No.1   |  |  |  |  |
| CFC's(Chlorofluorocarbons)                |      | With reference to US EPA 8260.                                 |     |        |  |  |  |  |
| Group I                                   |      |  |     |        |  |  |  |  |
| Chlorofluorocarbon-11(CAS No:000075-69-4) | ppm  | Analysis was performed by GC/MS.(CFC's(Chlorofluorocarbons))   | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-12(CAS No:000075-71-8) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |

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TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 5 of 14

| Test Item (s):                             | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| Chlorofluorocarbon-113(CAS No:000076-13-1) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-114(CAS No:000076-14-2) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-115(CAS No:000076-15-3) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Group III                                  |      |  |     |        |  |  |  |  |
| Chlorofluorocarbon-13(CAS No:000075-72-9)  | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-111(CAS No:000354-56-3) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-112(CAS No:000076-12-0) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-211(CAS No:135401-87-5) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-212(CAS No:076564-99-3) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-213(CAS No:060285-54-3) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-214(CAS No:002268-46-4) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-215(CAS No:000076-17-5) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Chlorofluorocarbon-216(CAS No:001652-80-8) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |

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 TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
 CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 6 of 14

| Test Item (s):                             | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| Chlorofluorocarbon-217(CAS No:000422-86-6) | ppm  | Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |

| Test Item (s):                                 | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| CHC's(Chlorinated hydrocarbon)                 |      | With reference to US EPA 8260.                                     |     |        |  |  |  |  |
| 1,1,1,2-Tetrachloroethane(CAS No.:000630-20-6) | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,1,1-Trichloroethane(CAS No.:000071-55-6)     | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,1,2,2-Tetrachloroethane(CAS No.:000079-34-5) | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,1,2-Trichloroethane(CAS No.:000079-00-5)     | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,1-Dichloroethane(CAS No.:000075-35-4)        | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,1-Dichloroethane(CAS No.:000075-35-3)        | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,1-Dichloropropene(CAS No.:000563-58-6)       | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,2,3-Trichloropropane(CAS No.:000096-19-5)    | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,2-Dichloroethane(CAS No.:000107-06-2)        | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |

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CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 7 of 14

| Test Item (s):                               | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| 1,2-Dichloropropane(CAS No.:000078-87-5)     | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 1,3-Dichloropropane(CAS No.:000142-28-9)     | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| 2,2-Dichloropropane(CAS No.:000594-20-7)     | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Carbon tetrachloride(CAS No.:000056-23-5)    | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Chloroethane(CAS No.:000075-00-3)            | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Chloroform(CAS No.:000067-66-3)              | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Chloromethane(CAS No.:000074-87-3)           | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Cis-1,2-Dichloroethene(CAS No.:000156-59-2)  | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Cis-1,3-Dichloropropene(CAS No.:010061-01-5) | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Hexachlorobutadiene(CAS No.:000087-68-3)     | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Methylene Chloride(CAS No.:000075-09-2)      | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Tetrachloroethene(CAS No.:000127-18-4)       | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |

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 CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 8 of 14

| Test Item (s):                                 | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| trans-1,2-Dichloroethene(CAS No.:000156-60-5)  | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| trans-1,3-Dichloropropene(CAS No.:010061-02-6) | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |
| Trichloroethylene(CAS No.:000079-01-6)         | ppm  | Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)] | 1   | N.D.   |  |  |  |  |

| Test Item (s):                                      | Unit | Method                           | MDL  | Result |  |  |  |  |
|---|------|----------------------------------|------|--------|--|--|--|--|
|   |      |                                  |      | No.1   |  |  |  |  |
| Chlorinated Paraffin (C10~C13) (CAS NO:010871-26-2) | %    | Analysis was performed by GC/MS. | 0.01 | N.D.   |  |  |  |  |

| Test Item (s):                                   | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| HCFC's(Hydrogenated chlorofluorocarbons)         |      | With reference to US EPA 8260.   |     |        |  |  |  |  |
| Hydrochlorofluorocarbon-21(CAS No.:000075-43-4)  | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-22(CAS No.:000075-45-6)  | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-31(CAS No.:000593-70-4)  | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-121(CAS No.:000354-14-3) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |

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TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 9 of 14

| Test Item (s):                                    | Unit | Method   | MDL | Result |  |  |  |  |
|---|------|--|-----|--------|--|--|--|--|
|   |      |  |     | No.1   |  |  |  |  |
| Hydrochlorofluorocarbon-122(CAS No.:000354-21-2)  | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-123(CAS No.:000306-83-1)  | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-124(CAS No.:002837-89-0)  | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-131(CAS No.:000359-28-4)  | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-131b(CAS No.:000471-43-2) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-133a(CAS No.:000075-88-7) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-141b(CAS No.:001717-00-6) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-221                       | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-222(CAS No.:000422-30-0)  | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |

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 TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
 CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 10 of 14

| Test Item (s):                                     | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| Hydrochlorofluorocarbon-223                        | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-224                        | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-225ca(CAS No.:000422-56-0) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-225cb(CAS No.:000507-55-1) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-226(CAS No.:000431-87-8)   | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-231                        | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-232                        | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-233                        | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-234                        | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |

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TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 11 of 14

| Test Item (s):                                   | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| Hydrochlorofluorocarbon-235(CAS No.:013838-16-9) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-241                      | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-242                      | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-243(CAS No.:000338-75-0) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-244                      | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-251                      | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-252                      | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-253(CAS No.:000354-06-1) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-261(CAS No.:000420-97-3) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |

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 TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
 CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 12 of 14

| Test Item (s):                                   | Unit | Method   | MDL | Result |  |  |  |  |
|--|------|--|-----|--------|--|--|--|--|
|  |      |  |     | No.1   |  |  |  |  |
| Hydrochlorofluorocarbon-262(CAS No.:000420-97-3) | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |
| Hydrochlorofluorocarbon-271                      | ppm  | Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)] | 1   | N.D.   |  |  |  |  |

| Test Item (s):                         | Unit | Method  | MDL  | Result |  |  |  |  |
|--|------|---|------|--------|--|--|--|--|
|  |      |   |      | No.1   |  |  |  |  |
| Organic-tin compounds                  |      |   |      |        |  |  |  |  |
| Triphenyl Tin(TPT)(CAS NO:000668-34-8) | ppm  | With reference to 83/677/EEC & DIN 38407. Analysis was performed by GC/FPD. | 0.03 | N.D.   |  |  |  |  |
| Tributyl Tin(TBT)                      | ppm  | With reference to 83/677/EEC & DIN 38407. Analysis was performed by GC/FPD. | 0.03 | N.D.   |  |  |  |  |

| Test Item (s):                                      | Unit | Method  | MDL | Result |  |  |  |  |
|---|------|---|-----|--------|--|--|--|--|
|   |      |   |     | No.1   |  |  |  |  |
| PCBs(Polychlorinated Biphenyls)(CAS NO:001336-36-3) | ppm  | With reference to USEPA 8082A. Analysis was performed by GC/ECD/MS. | 0.5 | N.D.   |  |  |  |  |

| Test Item (s):              | Unit | Method  | MDL | Result |  |  |  |  |
|-----------------------------|------|---|-----|--------|--|--|--|--|
|                             |      |   |     | No.1   |  |  |  |  |
| Polychlorinated Naphthalene | ppm  | With reference to UESPA 8081B. Analysis was performed by GC/MS. | 5   | N.D.   |  |  |  |  |

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 TAIPING TOWN, SHIXING COUNTRY, SHAOGUAN  
 CITY, CHINA

Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 13 of 14

| Test Item (s):                                     | Unit | Method  | MDL    | Result |  |  |  |  |
|--|------|---|--------|--------|--|--|--|--|
|  |      |   |        | No.1   |  |  |  |  |
| PBBs(Polybrominated biphenyls)(CAS NO:059536-65-1) | %    | With reference to USEPA3540 or USEPA3550. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D.   |  |  |  |  |
| PBBEs(PBDEs)(Polybrominated biphenyl ethers)       | %    | With reference to USEPA3540 or USEPA3550. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D.   |  |  |  |  |

| Test Item (s):                   | Unit | Method  | MDL | Result |  |  |  |  |
|----------------------------------|------|---|-----|--------|--|--|--|--|
|                                  |      |   |     | No.1   |  |  |  |  |
| PCTs(Polychlorinated Terphenyls) | ppm  | With reference to SGS in-house method. Analysis was performed by GC/ECD/MS. | 0.5 | N.D.   |  |  |  |  |

| Test Item (s):             | Unit | Method   | MDL | Result   |  |  |  |  |
|----------------------------|------|--|-----|----------|--|--|--|--|
|                            |      |  |     | No.1     |  |  |  |  |
| PVC free(CAS No:9002-86-2) | **   | Analysis was performed by FTIR/ATR and Pyro-GC/MS. | -   | Negative |  |  |  |  |

| Test Item (s):     | Unit | Method                                | MDL | Result |  |  |  |  |
|--------------------|------|---------------------------------------|-----|--------|--|--|--|--|
|                    |      |                                       |     | No.1   |  |  |  |  |
| Chromium VI (Cr+6) | ppm  | As per US EPA 7196A and US EPA 3060A. | 2   | N.D.   |  |  |  |  |

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Report No. : CE/2004/C4465

Date : 2004/12/30

Page : 14 of 14

| Test Item (s): | Unit | Method   | MDL | Result |  |  |  |  |
|----------------|------|--|-----|--------|--|--|--|--|
|                |      |  |     | No.1   |  |  |  |  |
| Cadmium (Cd)   | ppm  | ICP-AES after as per EN 1122, method B:2001 or other acid digestion. | 2   | N.D.   |  |  |  |  |
| Mercury (Hg)   | ppm  | ICP-AES after as per US EPA 3052 or other acid digestion.            | 2   | N.D.   |  |  |  |  |
| Lead (Pb)      | ppm  | ICP-AES after as per US EPA 3050B or other acid digestion.           | 2   | N.D.   |  |  |  |  |

- NOTE : (1) N.D. = Not detected (<MDL)  
(2) ppm = mg/kg  
(3) MDL = Method Detection Limit  
(4) " - " = No Regulation  
(5) \*\* = Qualitative analysis (No Unit)  
(6) Negative = Undetectable / Positive = Detectable