

## Test Report

No. SHAEC1710872807

Date: 02 Jun 2017

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WANLONG CHEMICAL CO.,LTD

PANDAI CHEMICAL INDUSTRIAL AREA,JINHU STREET, RUIAN CITY, ZHEJIANG PROVINCE, CHINA,  
325200

The following sample(s) was/were submitted and identified on behalf of the clients as : FLUORESCENT  
PIGMENT-MIXTURE OF ALL FB COLORS

SGS Job No. : SP17-018651 - SH  
Model No. : FB  
Main Substance : RESIN+DEYSTUFF  
Supplier : WANLONG CHEMICAL CO.,LTD  
Date of Sample Received : 26 May 2017  
Testing Period : 26 May 2017 - 02 Jun 2017  
Test Requested : Selected test(s) as requested by client.  
Test Method : Please refer to next page(s).  
Test Results : Please refer to next page(s).

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Marry Ma

Marry Ma  
Approved Signatory



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Test Results :

### Test Part Description :

| Specimen No. | SGS Sample ID    | Description |
|--------------|------------------|-------------|
| SN1          | SHA17-108728.001 | Red powder  |

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### Azo Dyes

Test Method : Pigments and colours: According to EN 14362-1:2012 Annex F - Analysis was conducted with GC-MS/HPLC-DAD.

| Test Item(s)                                      | CAS NO.  | Unit  | MDL | 001 |
|---|----------|-------|-----|-----|
| 4-Aminobiphenyl                                   | 92-67-1  | mg/kg | 10  | ND  |
| Benzidine   | 92-87-5  | mg/kg | 10  | ND  |
| 4-chloro-o-toluidine                              | 95-69-2  | mg/kg | 10  | ND  |
| 2-naphthylamine                                   | 91-59-8  | mg/kg | 10  | ND  |
| o-aminoazotoluene                                 | 97-56-3  | mg/kg | 10  | ND  |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene      | 99-55-8  | mg/kg | 10  | ND  |
| 4-chloroaniline                                   | 106-47-8 | mg/kg | 10  | ND  |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole | 615-05-4 | mg/kg | 10  | ND  |
| 4,4'-diaminodiphenylmethane                       | 101-77-9 | mg/kg | 10  | ND  |
| 3,3'-dichlorobenzidine                            | 91-94-1  | mg/kg | 10  | ND  |
| 3,3'-dimethoxybenzidine                           | 119-90-4 | mg/kg | 10  | ND  |
| 3,3'-dimethylbenzidine                            | 119-93-7 | mg/kg | 10  | ND  |
| 3,3'-Dimethyl-4,4'-diaminodiphenylmethane /       | 838-88-0 | mg/kg | 10  | ND  |
| 4,4'-methylenedi-o-toluidine                      |          |       |     |     |
| p-cresidine                                       | 120-71-8 | mg/kg | 10  | ND  |
| 4,4'-methylene-bis-(2-chloroaniline)              | 101-14-4 | mg/kg | 10  | ND  |
| 4,4'-oxydianiline                                 | 101-80-4 | mg/kg | 10  | ND  |
| 4,4'-thiodianiline                                | 139-65-1 | mg/kg | 10  | ND  |
| o-toluidine                                       | 95-53-4  | mg/kg | 10  | ND  |
| 4-methyl-m-phenylenediamine / 2,4-Toluyldiamine   | 95-80-7  | mg/kg | 10  | ND  |
| 2,4,5-trimethylaniline                            | 137-17-7 | mg/kg | 10  | ND  |



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| Test Item(s)      | CAS NO. | Unit  | MDL | 001 |
|-------------------|---------|-------|-----|-----|
| 4-aminoazobenzene | 60-09-3 | mg/kg | 10  | ND  |
| O-Anisidine       | 90-04-0 | mg/kg | 10  | ND  |
| 2,4-Xylidine      | 95-68-1 | mg/kg | 10  | ND  |
| 2,6-Xylidine      | 87-62-7 | mg/kg | 10  | ND  |

### Notes :

- (1) Test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as "not detected" (i.e. <5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method
- (2) Test was conducted as per client's request.
- (3) Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.
- (4) In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

### Sample photo:



SGS authenticate the photo on original report only

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



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