

## Test Report

No.: CANEC23005690901

Date: Jul 13, 2023

Page 1 of 4

Client Name: DONGGUAN LIBI FINE CHEMICALS.CO.,LTD.

Client Address: HEXING INDUSTRIAL PARK, HETIAN VILLAGE, HOUIE TOWNSHIP, DONGGUAN

Sample Name: 8217.81227.887.8277.8627.8437.8057.8547.8287.8297.8347.82187.8037.818  
7.8707.85757.8207.81197 Mixture

The above sample(s) and information were provided by the client.

SGS Job No.: SZP23-008193

Sample Receiving Date: Jul 05, 2023

Testing Period: Jul 05, 2023 ~ Jul 13, 2023

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

| Test Requirement | Conclusion |
|------------------|------------|
| Azo Dyes         | Pass       |

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie-JX Li  
Approved Signatory

scan to see the report



BBCC678A



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Test Result(s):**

Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description     |
|-------|------------|-------------------------|-----------------|
| SN1   | A1         | CAN23-0056909-0001.C001 | Dark red powder |

Remarks:

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

**Azo Dyes**

Test Method: With reference to EN ISO 14362-1:2017, analysis was performed by GC-MS/HPLC-DAD. Determination of 4-aminoazobenzene (CAS No.:60-09-3): With reference to EN ISO 14362-3:2017, analysis was performed by GC-MS/HPLC-DAD.

| Test Item(s)   | CAS No.  | Limit | Unit(s) | MDL | A1                 |                       |
|--|----------|-------|---------|-----|--------------------|-----------------------|
|  |          |       |         |     | Direct Reduction * | Colorant Extraction * |
| 4-Aminobiphenyl  | 92-67-1  | 30    | mg/kg   | 5   | ND                 | ND                    |
| Benzidine  | 92-87-5  | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4-Chlor-o-toluidine  | 95-69-2  | 30    | mg/kg   | 5   | ND                 | ND                    |
| 2-Naphthylamine  | 91-59-8  | 30    | mg/kg   | 5   | ND                 | ND                    |
| o-Aminoazotoluene  | 97-56-3  | 30    | mg/kg   | 5   | ND                 | ND                    |
| 5-Nitro-o-Toluidine/2-Amino-4-Nitrotoluene                             | 99-55-8  | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4-Chloroaniline  | 106-47-8 | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4-Methoxy-m-Phenylenediamine/2,4-Diaminoanisole                        | 615-05-4 | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4,4'-Diaminodiphenylmethane, MDA                                       | 101-77-9 | 30    | mg/kg   | 5   | ND                 | ND                    |
| 3,3'-Dichlorobenzidine   | 91-94-1  | 30    | mg/kg   | 5   | ND                 | ND                    |
| 3,3'-Dimethoxybenzidine  | 119-90-4 | 30    | mg/kg   | 5   | ND                 | ND                    |
| 3,3'-Dimethylbenzidine   | 119-93-7 | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4,4'-methylenedi-o-Toluidine/3,3'-Dimethyl-4,4'-Diaminodiphenylmethane | 838-88-0 | 30    | mg/kg   | 5   | ND                 | ND                    |
| p-Cresidine  | 120-71-8 | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4,4'-Methylene-bis-(2-chloroaniline)                                   | 101-14-4 | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4,4'-Oxydianiline  | 101-80-4 | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4,4'-Thiodianiline   | 139-65-1 | 30    | mg/kg   | 5   | ND                 | ND                    |
| o-Toluidine  | 95-53-4  | 30    | mg/kg   | 5   | ND                 | ND                    |
| 4-Methyl-m-Phenylenediamine/2,4-Toluylenediamine, TDA                  | 95-80-7  | 30    | mg/kg   | 5   | ND                 | ND                    |
| 2,4,5-Trimethylaniline   | 137-17-7 | 30    | mg/kg   | 5   | ND                 | ND                    |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

# Test Report

No.: CANEC23005690901

Date: Jul 13, 2023

Page 3 of 4

| Test Item(s)      | CAS No. | Limit | Unit(s) | MDL | A1          |             |
|-------------------|---------|-------|---------|-----|-------------|-------------|
| 4-Aminoazobenzene | 60-09-3 | 30    | mg/kg   | 5   | ND          | ND          |
| O-Anisidine       | 90-04-0 | 30    | mg/kg   | 5   | ND          | ND          |
| 2,4-Xylidine      | 95-68-1 | 30    | mg/kg   | 5   | ND          | ND          |
| 2,6-Xylidine      | 87-62-7 | 30    | mg/kg   | 5   | ND          | ND          |
| <b>Conclusion</b> |         |       |         |     | <b>Pass</b> | <b>Pass</b> |

**Notes:**

- (1) \*Direct reduction refers to the extraction and reduction according to EN ISO 14362-1:2017 clause 10.2 and relevant clauses.
  - \*Colorant extraction refers to the colourant extraction and subsequent reduction according to EN ISO 14362-1:2017 Clause 10.1 and relevant clauses.
  - (2) 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.
  - (3) In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly, for pigment prints, MDA will be released from a chemical fixing agent.
  - (4) EN ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "n.d." (i.e. <5.0 mg/kg). Otherwise, EN ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.
  - (5) Limit = 30 mg/kg (each) (6) The maximum permissible limit is quoted from the client requirement.
- Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Technical Services Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn  
t (86-20) 82155555 sgs.china@sgs.com

## Test Report

No.: CANEC23005690901

Date: Jul 13, 2023

Page 4 of 4

Sample Photo:



SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*



SGS-CST Standards Technical Services Co., Ltd.  
Guangzhou Branch, Technical Services Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn  
t (86-20) 82155555 sgs.china@sgs.com