

# Test Report

Report No.: AGC01978180703-005

Date: Jul.30, 2018

Page 1 of 6

Applicant:

Address:

**Report on the submitted sample(s) said to be:**

Sample Name : See Sample Description  
Item No : P773.97  
Manufacturers :  
Address :  
Country of Origin : CHINA  
Sample Receiving Date : Jul.19, 2018  
Testing Period : Jul.19, 2018 to Jul.24, 2018

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

Tested by:

*Wenliang Fang*

Fangwenliang

Test Engineer

Reviewed by:

*Jessie Liang*

Liangdan, Jessie.Liang

Technical Supervisor

Approved by:

*Lewis*

Liulinwen, Lewis

Technical Director



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# Test Report

Report No.: AGC01978180703-005

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Page 2 of 6

## Test Requested:

## Conclusion

1. As specified by client, to determine the Polycyclic Aromatic Hydrocarbons (PAHs) content in the submitted sample(s) with reference to entry 50, Annex XVII of the REACH Regulation (EC) No 1907/2006.
2. As specified by client, to determine Azocolourants and Azodyes in the submitted sample with reference to Entry 43, Annex XVII of the REACH Regulation (EC) No 1907/2006.

Pass

Pass

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**AGC**

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**No.18 C**

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Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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Report No.: AGC01978180703-005

Date: Jul.30, 2018

Page 3 of 6

## Test Result(s):

### 1. Test result of PAHs

Unit: mg/kg

| Test Item(s)                   | Test Method<br>/Equipment                | MDL | Result(s)   |             | Limit |
|--------------------------------|--|-----|-------------|-------------|-------|
|                                |  |     | 8           | 9           |       |
| Benzo[a]anthracene (BaA)       | Refer to<br>AfPS GS 2014:01 PAK<br>GC-MS | 0.1 | N.D.        | N.D.        | 1     |
| Chrysene (CHR)                 |  | 0.1 | N.D.        | N.D.        | 1     |
| Benzo[b]fluoranthene (BbFA)    |  | 0.1 | N.D.        | N.D.        | 1     |
| Benzo[k]fluoranthene (BkFA)    |  | 0.1 | N.D.        | N.D.        | 1     |
| Benzo[j]fluoranthene (BjFA)    |  | 0.1 | N.D.        | N.D.        | 1     |
| Benzo[a]pyrene (BaP)           |  | 0.1 | N.D.        | N.D.        | 1     |
| Benzo[e]pyrene(BeP)            |  | 0.1 | N.D.        | N.D.        | 1     |
| Dibenzo[a,h]anthracene (DBAhA) |  | 0.1 | N.D.        | N.D.        | 1     |
| <b>Sum of 8 PAHs</b>           |  | —   | N.D.        | N.D.        | /     |
| <b>Conclusion</b>              |  |     | <b>Pass</b> | <b>Pass</b> | /     |

- Note:**
1. MDL=Method Detection Limit
  2. N.D.=Not Detected(less than method detection limit)
  3. As specified by client, only test the designated sample

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**Report No.: AGC01978180703-005**
**Date:** Jul.30, 2018

**Page** 4 of 6

**2.Test Result(s) of AZO:**

Unit: mg/kg

| Test Item(s)                          | Test Method/<br>Equipment                                       | MDL | Result(s)   |             | Limit |
|---------------------------------------|---|-----|-------------|-------------|-------|
|                                       |   |     | 8           | 9           |       |
| 4-Aminobiphenyl                       | Refer to<br>EN ISO 14362-1:2017<br>EN ISO 14362-3:2017<br>GC-MS | 5   | N.D.        | N.D.        | 30    |
| Benzidine                             |   | 5   | N.D.        | N.D.        | 30    |
| 4-Chloro-o-Toluidine                  |   | 5   | N.D.        | N.D.        | 30    |
| 2-Naphthylamine                       |   | 5   | N.D.        | N.D.        | 30    |
| o-Aminoazotoluene                     |   | 5   | N.D.        | N.D.        | 30    |
| 5-Nitro-o-toluidine                   |   | 5   | N.D.        | N.D.        | 30    |
| 4-Chloroaniline                       |   | 5   | N.D.        | N.D.        | 30    |
| 4-Methoxy-m-phenylenediamine          |   | 5   | N.D.        | N.D.        | 30    |
| 4,4'-Diaminodiphenylmethane           |   | 5   | N.D.        | N.D.        | 30    |
| 3,3'-Dichlorobenzidine                |   | 5   | N.D.        | N.D.        | 30    |
| 3,3'-Dimethoxybenzidine               |   | 5   | N.D.        | N.D.        | 30    |
| 3,3'-Dimethylbenzidine                |   | 5   | N.D.        | N.D.        | 30    |
| 4,4'-Methylenedi-o-toluidine          |   | 5   | N.D.        | N.D.        | 30    |
| p-Cresidine                           |   | 5   | N.D.        | N.D.        | 30    |
| 4,4'-Methylene-bis-(2-chloro-aniline) |   | 5   | N.D.        | N.D.        | 30    |
| 4,4'-Oxydianiline                     |   | 5   | N.D.        | N.D.        | 30    |
| 4,4'-Thiodianiline                    |   | 5   | N.D.        | N.D.        | 30    |
| o-Toluidine                           |   | 5   | N.D.        | N.D.        | 30    |
| 4-Methyl-m-phenylenediamine           |   | 5   | N.D.        | N.D.        | 30    |
| 2,4,5-Trimethylaniline                |   | 5   | N.D.        | N.D.        | 30    |
| o-Anisidine                           |   | 5   | N.D.        | N.D.        | 30    |
| 4-Amino azobenzene                    |   | 5   | N.D.        | N.D.        | 30    |
| 2,4-Xylidine                          |   | 5   | N.D.        | N.D.        | 30    |
| 2,6-Xylidine                          |   | 5   | N.D.        | N.D.        | 30    |
| <b>Conclusion</b>                     |   | /   | <b>Pass</b> | <b>Pass</b> | /     |

- Note:**
1. N.D.=not detected (less than method detection limit)
  2. MDL=method detection limit
  3. The EN ISO 14362-1:2017 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine, therefore, the test method of EN ISO 14362-3:2017 was employed to verify the presence of 4-aminoazobenzene
  4. As specified by client, only test the designated sample.

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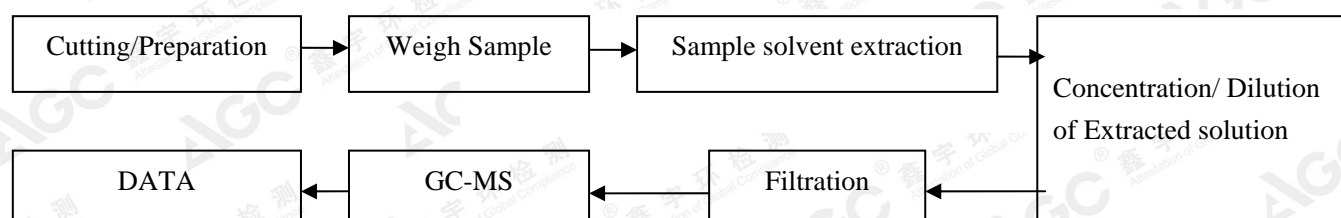
Page 5 of 6

## Sample Description

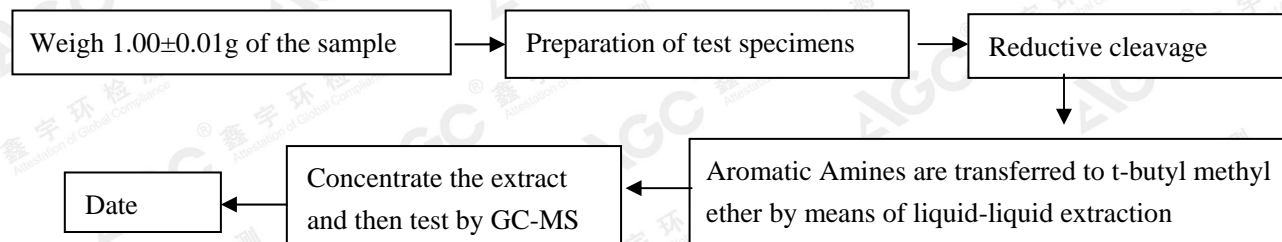
| No. | Sample name     |
|-----|-----------------|
| 8   | Blue Polyester  |
| 9   | Black Polyester |

## Test Flow Chart

### 1. For PAHs



### 2. For AZO



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Report No.: AGC01978180703-005

Date: Jul.30, 2018

Page 6 of 6

This report is to supersede the report with No.: AGC01978180703-001 dated on Jul.24,2018.

## The photo of the sample



**AGC01978180703-005**

AGC authenticate the photo on original report only

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

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