

Test Report

Report No.: AGC01978180703-003

Date: Jul.30, 2018

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Applicant:

Address:

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

Sample Name : See Sample Description
Item No : P820.59
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 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.
3. As specified by client, to determine the Lead and Lead compounds content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No1907/2006 .

Pass

Pass

Pass

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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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Test Result(s):
1. Test result of PAHs

Unit: mg/kg

Test Item(s)	Test Method /Equipment	MDL	Result(s)			Limit
			4	5	6	
Benzo[a]anthracene (BaA)	Refer to AfPS GS 2014:01 PAK GC-MS	0.1	N.D.	N.D.	N.D.	1
Chrysene (CHR)		0.1	N.D.	N.D.	N.D.	1
Benzo[b]fluoranthene (BbFA)		0.1	N.D.	N.D.	N.D.	1
Benzo[k]fluoranthene (BkFA)		0.1	N.D.	N.D.	N.D.	1
Benzo[j]fluoranthene (BjFA)		0.1	N.D.	N.D.	N.D.	1
Benzo[a]pyrene (BaP)		0.1	N.D.	N.D.	N.D.	1
Benzo[e]pyrene(BeP)		0.1	N.D.	N.D.	N.D.	1
Dibenzo[a,h]anthracene (DBAhA)		0.1	N.D.	N.D.	N.D.	1
Sum of 8 PAHs		—	N.D.	N.D.	N.D.	/
Conclusion			Pass	Pass	Pass	/

- 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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2.Test Result(s) of AZO:

Unit: mg/kg

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

- 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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3. Lead and Lead compounds content(Annex XVII of the REACH)

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			4	
Lead (Pb)	Refer to EPA 3052:1996& EPA 6010C:2007 ICP-OES	5	N.D.	500

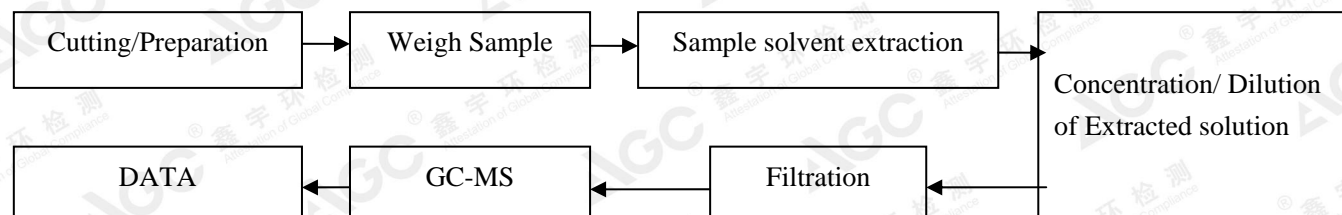
- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 3. As specified by client, only test the designated sample.

Sample Description

No.	Sample name
4	Black PU
5	Black Polyester
6	Orange Polyester

Test Flow Chart

1.For PAHs



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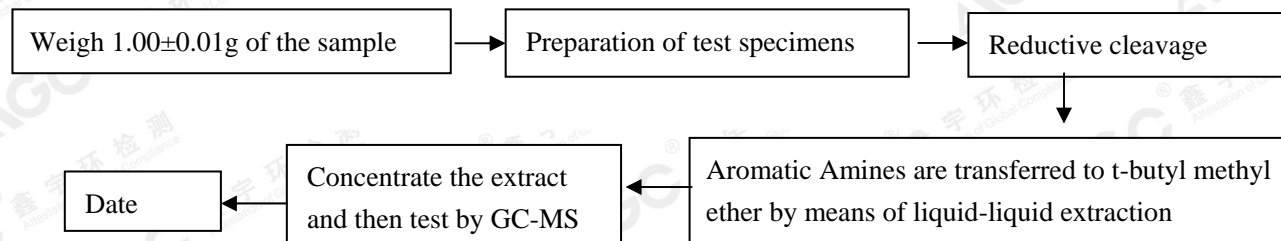
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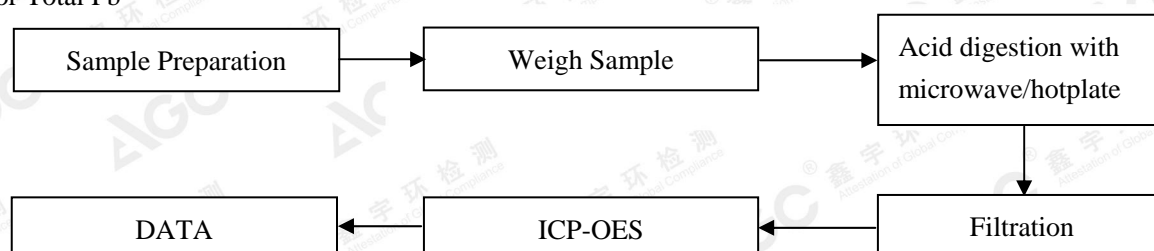
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2. For AZO



3. For Total Pb



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

The photo of the sample



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AGC authenticate the photo on original report only

*** End of Report***

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