

Test Report

Report No.: AGC01978190706-001

Date: Aug.01, 2019

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Applicant:

Address:

Test site:

Report on the submitted samples said to be:

Sample Name : Yangba PU, Meka PU
Model No. : MO8840-07
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Receiving Date : Jul.29, 2019
Testing Period : Jul.29, 2019 to Aug.01, 2019

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

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

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

Approved by

Liulinwen, Lewis

Technical Director



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Test Requested:

1. As specified by client, to determine the phthalates content in the submitted sample(s) with reference to entry 51 and its amendment (EU)2018/2005& entry 52, Annex XVII of the REACH Regulation (EC) No 1907/2006 and Amendment Regulation (EC) No 552/2009.
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.

Conclusion

Pass

Pass

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Test Result(s):
1. Test Result(s) of phthalates content

Unit: %, w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)		Limit
			1-1	1-2	
Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	0.01	N.D.	N.D.	0.1
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	0.1
Diisobutyl phthalate (DIBP)		0.01	N.D.	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP		—	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)		0.01	N.D.	N.D.	-
Di-isononyl phthalate (DINP)		0.01	N.D.	N.D.	
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	
Sum of DNOP+DINP+DIDP		—	N.D.	N.D.	0.1
Conclusion		/	Pass	Pass	/

- Note :**
- 0.1%,w/w =1000mg/kg
 - MDL=method detection limit
 - N.D.=not detected (less than method detection limit)
 - “—”=Not regulated
 - 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
			1-1	1-2	
4-Aminobiphenyl	EN ISO 14362-1:2017 EN ISO 14362-3:2017 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
Conclusion		/	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
4. 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

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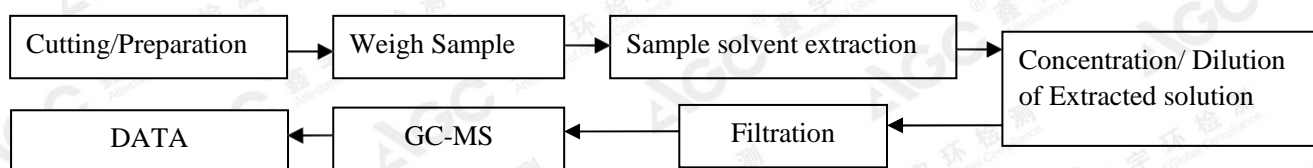
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Sample Description

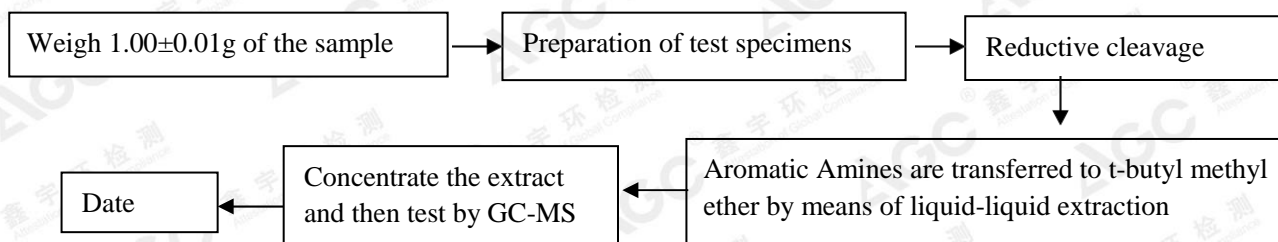
1-1	Yangba PU
1-2	Meka PU

Test Flow Chart

1. For phthalates



2. For AZO



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The photo of the sample



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*** End of Report***

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