

Test Report

Report No.: AGC01978191101-003

Date: Nov.13, 2019

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Applicant:

Address:

Test site:

Report on the submitted samples said to be:

Sample Name : 5000 mAh power notebook A5 with wireless charging

Model No. : P772.51

Country of origin : CHINA

Country of destination : EUROPE

Sample Receiving Date : Nov.11, 2019

Testing Period : Nov.11, 2019 to Nov.13, 2019

Test Requested : Please refer to next pages.

Test Method : Please refer to next pages.

Test Result : Please refer to next pages.

Approved by: 
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.

Pass

2. As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to determine the SCCP content in the submitted sample.

The concentrations of tested SVHC are $\leq 0.1\%$ (W/W) in the tested sample.

Pass

3. 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

4. As specified by client, to determine the phthalates content in the submitted sample(s).

/

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AGC

Attestation of Global Compliance Std. & Tech.

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(s) of Polycyclic Aromatic Hydrocarbons (PAHs)

Unit: mg/kg

Test Item(s)	Test Method /Equipment	MDL	Result(s)			Limit
			1-1	1-2	1-3	
Benzo[a]anthracene (BaA)	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. “—”=Not regulated
 4. As specified by client, only test the designated sample.

2. Test Result(s) of SCCP

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)		
			1-1	1-2	1-3
SCCP	EPA 3550C:2007 EPA 8270D:2014 GC-MS	100	N.D.	N.D.	N.D.

- Note:**
1. 0.1%,w/w =1000mg/kg=1000ppm
 2. N.D.=Not Detected(less than method detection limit)
 - 3.MDL= method detection limit
 4. As specified by client, only test the designated sample.

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THIS DOCUMENT WAS REDACTED WITH THE PRODUCT TIP REDACTION TOOL ON 2019-11-21. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS AVAILABLE ONLY BY THE DOCUMENT OWNER.

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3. Test Result(s) of AZO:

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)			Limit
			1-1	1-2	1-3	
4-Aminobiphenyl	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.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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4. Test Result(s) of phthalates content

Unit: mg/kg

Test Items	Method/ Equipment	MDL	Result(s)		
			1-1	1-2	1-3
Benzyl butyl phthalate (BBP)	EPA 3550C:2007 EPA 8270D:2014 GC-MS	100	N.D.	N.D.	N.D.
Bis(2-ethylhexyl)phthalate (DEHP)		100	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)		100	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)		100	N.D.	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)		100	N.D.	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)		100	N.D.	N.D.	N.D.
Bis(2-methoxyethyl) phthalate (DMEP)		100	N.D.	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		100	N.D.	N.D.	N.D.
Diisopentylphthalate (DiPP)		100	N.D.	N.D.	N.D.
N-pentyl-isopentylphthalate(PiPP)		100	N.D.	N.D.	N.D.
Dipentyl phthalate (DPP)		100	N.D.	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear(DHxP)		100	N.D.	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear(DHxP)		100	N.D.	N.D.	N.D.
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters		100	N.D.	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)		100	N.D.	N.D.	N.D.

- Note:**
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 3. As specified by client, only test the designated sample

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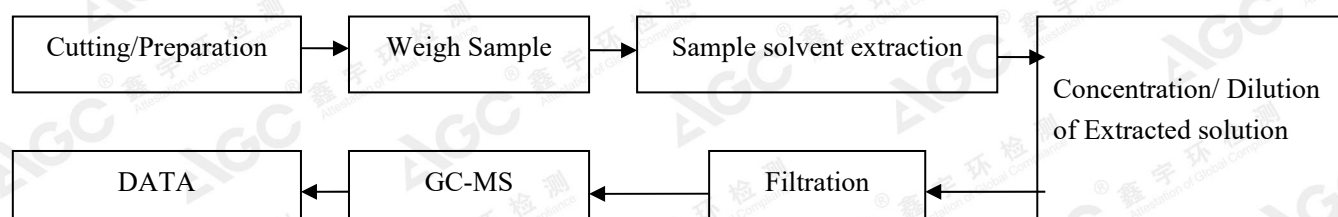
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Sample Description

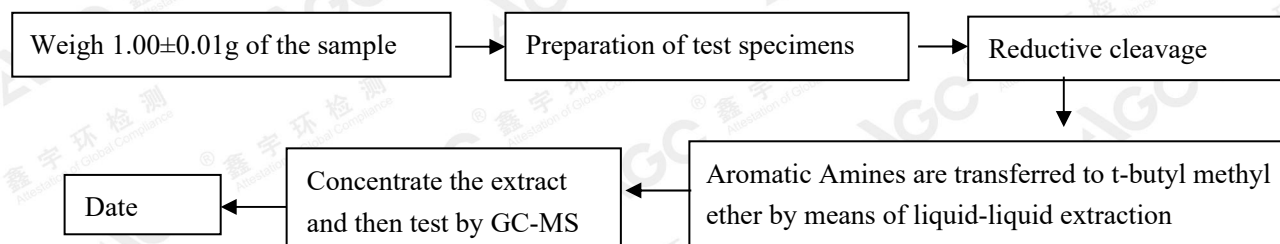
1-1	Black PU
1-2	Black TPU
1-3	Soft PU,black

Test Flow Chart

1. For PAHs, SCCP, phthalate



2. For AZO



The photo of the sample



AGC01978191101-003

AGC authenticate the photo on original report only

*** End of Report***

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