

Test Report

Report No.: AGC03364181003-006

Date: Oct.23, 2018

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Applicant: CHANGZHOU PENDA INTERNATIONAL TRADING CO.,LTD
Address: FENSHUI TOWN, TONGLU COUNTY, HANGZHOU, ZHEJIANG , CHINA

Report on the submitted samples said to be:

Sample Name : Multifunction ballpoint pen 6-in-1 with blue ink
Model : BP-8701A
Item No : 8469
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Receiving Date : Oct.15, 2018
Testing Period : Oct.15, 2018 to Oct.23, 2018
Test site : Building 2, No.171, Meihua Road, Shangmeilin, Futian district, Shenzhen, Guangdong, China

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 Cadmium(Cd)content in the Submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.
- 2.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.
- 3.As specified by client, to determine the phtalates content in the submitted sample(s) with reference to entry 51 & 52, Annex XVII of the REACH Regulation (EC) No 1907/2006 .

Conclusion

Pass

Pass

Pass

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

No.18 C

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Test Result(s):
1. Test Result(s) of Cd:

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)				Limit
			1-2	1-3	1-4	1-5	
Cadmium (Cd)	Refer to EN1122:2001 ICP-OES	5	N.D.	N.D.	N.D.	N.D.	100
Conclusion		/	Pass	Pass	Pass	Pass	/

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)			Reference Limit
			1-1	1-6	1-7	
Cadmium (Cd)	Refer to EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	5	N.D.	N.D.	N.D.	100
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

2. Test result of Polycyclic Aromatic Hydrocarbons (PAHs)

Unit: mg/kg

Test Item(s)	Test Method /Equipment	MDL	Result(s)			Limit
			1-2	1-3	1-4	
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	/

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Unit: mg/kg

Test Item(s)	Test Method /Equipment	MDL	Result(s)		Limit
			1-5	1-6	
Benzo[a]anthracene (BaA)	Refer to AfPS GS 2014:01 PAK 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
Sum of 8 PAHs		—	N.D.	N.D.	/
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.

3. Test result of phthalates content

Unit: %, w/w

Test Item(s)	Test Method /Equipment	MDL	Result(s)			Limit
			1-2	1-3	1-4	
Dibutyl phthalate (DBP)	Refer to EN 14372:2004 GC-MS	0.01	N.D.	N.D.	N.D.	—
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.	N.D.	
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	N.D.	
Sum of DBP+BBP+DEHP		—	N.D.	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)		0.01	N.D.	N.D.	N.D.	—
Di-isononyl phthalate (DINP)		0.01	N.D.	N.D.	N.D.	
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	N.D.	
Sum of DNOP+DINP+DIDP		—	N.D.	N.D.	N.D.	0.1
Conclusion		/	Pass	Pass	Pass	/

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Unit: %, w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)		Limit	
			1-5	1-6		
Dibutyl phthalate (DBP)	Refer to EN 14372:2004 GC-MS	0.01	N.D.	N.D.	—	
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.		
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.		
Sum of DBP+BBP+DEHP		—	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

Sample Description

1-1	Silver coating
1-2	Black soft plastic ball
1-3	Grey plastic pen tube
1-4	Blue plastic
1-5	Black plastic
1-6	Black sponge
1-7	Metal tool

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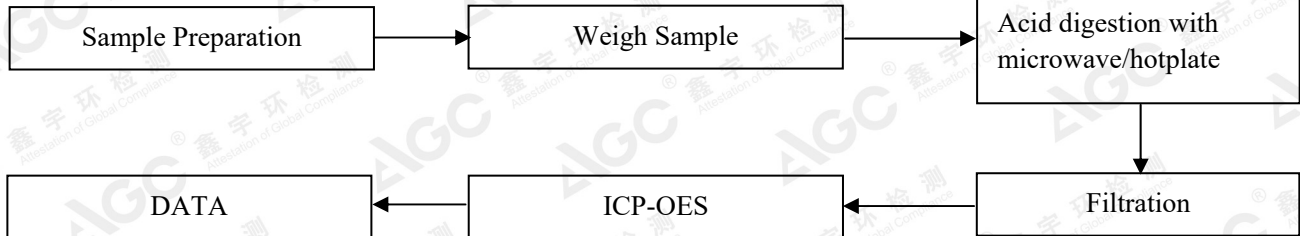
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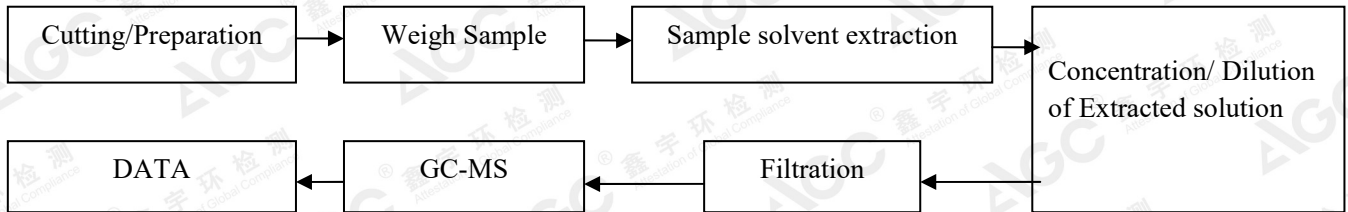
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Test Flow Chart

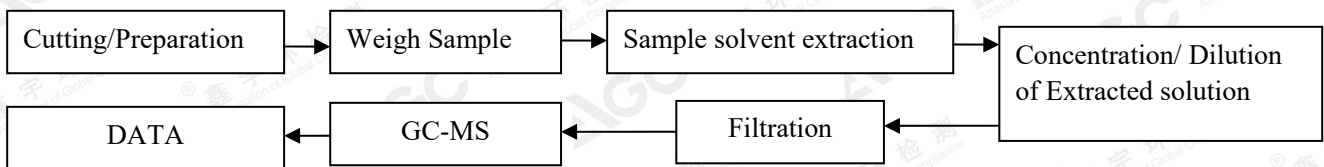
1. For Cd



2. For PAHs



3. For phthalates



The test results of No.1-1 copied from test results of No.1-8 of report No.: AGC03364181003-002.

The test results of No.1-2 copied from test results of No.1-7 of report No.: AGC03364181003-003.

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The photo of the sample



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*** End of Report***

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