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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:	Conclu	usion
1. As specified by client, to determine the Cadmium with reference to entry 23, Annex XVII of the REA	Pac	SS
2.As specified by client, to determine the Polycyclic	e Aromatic Hydrocarbons (PAHs) content	
in the submitted sample(s) with reference to entry	50, Annex XVII of the REACH Pas	ss
Regulation (EC) No 1907/2006.		
3.As specified by client, to determine the phthalates reference to entry 51 & 52, Annex XVII of the RI	Pag	ss

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Test Result(s):

1.Test Result(s) of Cd:

Unit: mg/kg

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

Unit: mg/kg

	Test Method/	MDI	-1111/	Result(s)			
Test item(s) Equipment	MDL	omphance 1-1	1-6	1-7	Limit		
Cadmium (Cd)	Refer to EPA 3050B:1996&	5	N.D.	N.D.	N.D.	100	
Conclusion	EPA 3052:1996& EPA 6010C:2007 ICP-OES	II to I like	Pass	Pass	Pass	S Filler To d Global Com	

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 Method /Equipment	A Complian	Result(s)			T	
Test Item(s)		MDL	1-2	1-3	1-4	Limit	
Benzo[a]anthracene (BaA)	Refer to AfPS GS 2014:01 PAK	0.1	N.D.	N.D.	N.D.	1	
Chrysene (CHR)		0.1	N.D.	N.D.	N.D.	1 <sub>4</sub>	
Benzo[b]fluoranthene (BbFA)		0.1	N.D.	N.D.	N.D.	C1	
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.	<u> </u>	
Benzo[a]pyrene (BaP)	GC-MS	0.1	N.D.	N.D.	N.D.	Compilar 1	
Benzo[e]pyrene(BeP)	IN The state of th	0.1	N.D.	N.D.	N.D.	10	
Dibenzo[a,h]anthracene (DBAhA)	SCC Marie Control	0.1	N.D.	N.D.	N.D.	1	
Sum of 8 PAHs		a GO		N.D.	N.D.	N.D.	/ ,
Conclusion		/ 11	Pass	Pass	Pass	E F OF Global	

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Attestation of Global Compliance Std. & Tech.



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Unit: mg/kg

Test Item(s)	Test Method /Equipment	MDL	Resi	The Sound	
			1-5	1-6	Limit
Benzo[a]anthracene (BaA)	© A station of Co.	0.1	N.D.	N.D.	1
Chrysene (CHR)	U . GC "	0.1	N.D.	N.D.	1
Benzo[b]fluoranthene (BbFA)	Refer to AfPS GS 2014:01 PAK GC-MS	0.1	N.D.	N.D.	1 4
Benzo[k]fluoranthene (BkFA)		0.1	N.D.	N.D.	
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.	ompliance 1
Dibenzo[a,h]anthracene (DBAhA)		0.1	N.D.	N.D.	1
Sum of 8 PAHs		Allestation	N.D.	N.D.	1
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	MDI	Result(s)			
		MDL	1-2	1-3	1-4	Limit
Dibutyl phthalate (DBP)	The state of the s	0.01	N.D.	N.D.	N.D.	station of Global
Butylbenzyl phthalate (BBP)	Compliance 8 Figure 1 Col	0.01	N.D.	N.D.	N.D.	-
Di- (2-ethylhexyl) phthalate (DEHP)	Refer to	0.01	N.D.	N.D.	N.D.	
Sum of DBP+BBP+DEHP		- 恒	N.D.	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)	EN 14372:2004	0.01	N.D.	N.D.	N.D.	G F
Di-isononyl phthalate (DINP)	GC-MS	0.01	N.D.	N.D.	N.D.	_
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	N.D.	Tanallance
Sum of DNOP+DINP+DIDP		- W	N.D.	N.D.	N.D.	0.1
Conclusion	(S) The state of Gobal Const		Pass	Pass	Pass	1

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Unit: %, w/w

Test Item(s)	Test Method/	MDI	Resu	- 10	
	Equipment	MDL	1-5	1-6	Limit
Dibutyl phthalate (DBP)	i gion of Clobal C	0.01	N.D.	N.D.	
Butylbenzyl phthalate (BBP)	Refer to	0.01	N.D.	N.D.	
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	® 15.
Sum of DBP+BBP+DEHP		The of Company	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)	EN 14372:2004	0.01	N.D.	N.D.	/
Di-isononyl phthalate (DINP)	GC-MS	0.01	N.D.	N.D.	7111
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	Omphi
Sum of DNOP+DINP+DIDP		-CI	N.D.	N.D.	0.1
Conclusion		/	Pass	Pass	/

Note:

- 1.0.1%, w/w = 1000 mg/kg
- 2. MDL=method detection limit
- 3. N.D.=not detected (less than method detection limit)
- 4. "—" =Not regulated
- 5.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	25
1-4	Blue plastic	Hestati
1-5	Black plastic	
1-6	Black sponge	
1-7	Metal tool	

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### **Test Flow Chart** .For Cd Acid digestion with Sample Preparation Weigh Sample microwave/hotplate Filtration **DATA ICP-OES** 2. For PAHs Cutting/Preparation Weigh Sample Sample solvent extraction Concentration/ Dilution of Extracted solution **DATA** GC-MS Filtration 3. For phthalates Cutting/Preparation Weigh Sample Sample solvent extraction Concentration/ Dilution of Extracted solution

Filtration

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.

GC-MS

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DATA



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### The photo of the sample



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AGC authenticate the photo on original report only

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

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