

TEST REPORT

Report No.: R-cn5-1603703-E

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Applicant Name :
Applicant Address :

The following information was submitted and identified by/on behalf of the client:

Product Name : X3 Geometric pen
Model : P610.91*
Material : /
Buyer : /
Supplier : /
Goods exported to : /
Country of Origin : /

Date of receipt : Sep.13,2016
Testing Period : Sep.13,2016- Sep.20,2016

Test Category : Applicant Testing
Test Requested : As specified by client
Test Method : Please refer to the following page
Test Instrument : Please refer to the following page

Testing Results : Please refer to the following page

Testing summary of Submitted Sample and Tested Component on Submitted Sample:

No.	Test items	Conclusion
1	REACH Annex XVII - Total Cadmium content	Pass
2	Polycyclic aromatic hydrocarbons (PAHs)	Pass

Approved by:

Kevin Lee

Technical manager:

Kevin Lee

Issued Date:

Sep.27, 2016
No. 16217877



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Sample description:

No.	Specimen	Description
001	X3 Geometric pen	White triangle pen body
002		White slip plane pencil
003		White transparent lid
004		White transparent plastic
005		001+004*
006		002+003*

Remark: “*”Based on the applicant requests for sample mixed test. Report of mixed test results do not represent one single material content, the data is only for reference.

Note:

1. According to client's requirement, the results of following samples are the same as the sample of Report

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1	Total Cadmium	Part 002 is the same as Part 001 of Report: R-cn5-1603703-E
2	Total Cadmium	Part 003 is the same as Part 004 of Report: R-cn5-1603703-E
3	PAHs	Part 006 is the same as Part 005 of Report: R-cn5-1603703-E

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Testing Results:

1. Test specification: REACH Annex XVII - Total Cadmium content

Test method : EN 1122: 2001 method B

Requirement : (EC) No 1907/2006 REACH Annex XVII

Test Item	MDL (mg/kg)	001 (mg/kg)	002 (mg/kg)	Limit (mg/kg)
Total Cadmium	10	<10	<10	100
Conclusion	--	Pass	Pass	--

Test Item	MDL (mg/kg)	003 (mg/kg)	004 (mg/kg)	Limit (mg/kg)
Total Cadmium	10	<10	<10	100
Conclusion	--	Pass	Pass	--

Note:

MDL=Method Detection Limit

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
ICP-OES	Agilent/Shimadzu	VISTA-MPX/ ICPE-9000

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2. Test specification: Polycyclic aromatic hydrocarbons (PAHs)

Test method : AfPS-GS-2014:01
 Requirement : GS Mark (AfPS-GS-2014:01) Annex I

Test Item	MDL (mg/kg)	005 (mg/kg)	006 (mg/kg)
Naphthalene	0.2	0.4	0.4
Acenaphthylene	0.2	<0.2	<0.2
Acenaphthene	0.2	<0.2	<0.2
Fluorene	0.2	<0.2	<0.2
Phenanthrene	0.2	<0.2	<0.2
Anthracene	0.2	<0.2	<0.2
Fluoranthene	0.2	<0.2	<0.2
Pyrene	0.2	<0.2	<0.2
Benz(a)anthracene	0.2	<0.2	<0.2
Chrysene	0.2	<0.2	<0.2
Benzo(b)fluoranthene	0.2	<0.2	<0.2
Benzo(k)fluoranthene	0.2	<0.2	<0.2
Benzo(a)pyrene	0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene	0.2	<0.2	<0.2
Dibenzo(a,h)anthracene	0.2	<0.2	<0.2
Benzo(g,h,i)perylene	0.2	<0.2	<0.2
Benzo(j)fluoranthene	0.2	<0.2	<0.2
Benzo(e)pyrene	0.2	<0.2	<0.2
Sum	--	<0.2	<0.2
Conclusion	--	Pass	Pass

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Annex I

Parameter	Category 1	Category 2		Category 3	
	Materials indented to be put in the mouth, or materials of toys for children aged < 36 months with intended skin contact (contact >30s))	Materials not covered by category 1, with foreseeable skin contact for longer than 30 s (long-term skin contact) or repeated short term skin contact*		Materials not covered by category 1 or 2 with foreseeable skin contact up to 30 s (short term skin contact)	
		Toys acc to directive 2009/48/EC	All other products acc to ProdSG	Toys acc to directive 2009/48/EC	All other products acc to ProdSG
Benzo[a]pyrene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[e]pyrene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[a]anthracene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[k]fluoranthene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[ghi]perylene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno[1,2,3-cd]pyrene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene, mg/kg	<1sum	<5sum	<10sum	<20sum	<50Sum
Naphthalene mg/kg	<1	<2		<10	
Sum 18 PAHs mg/kg	<1	<5	<10	<20	<50

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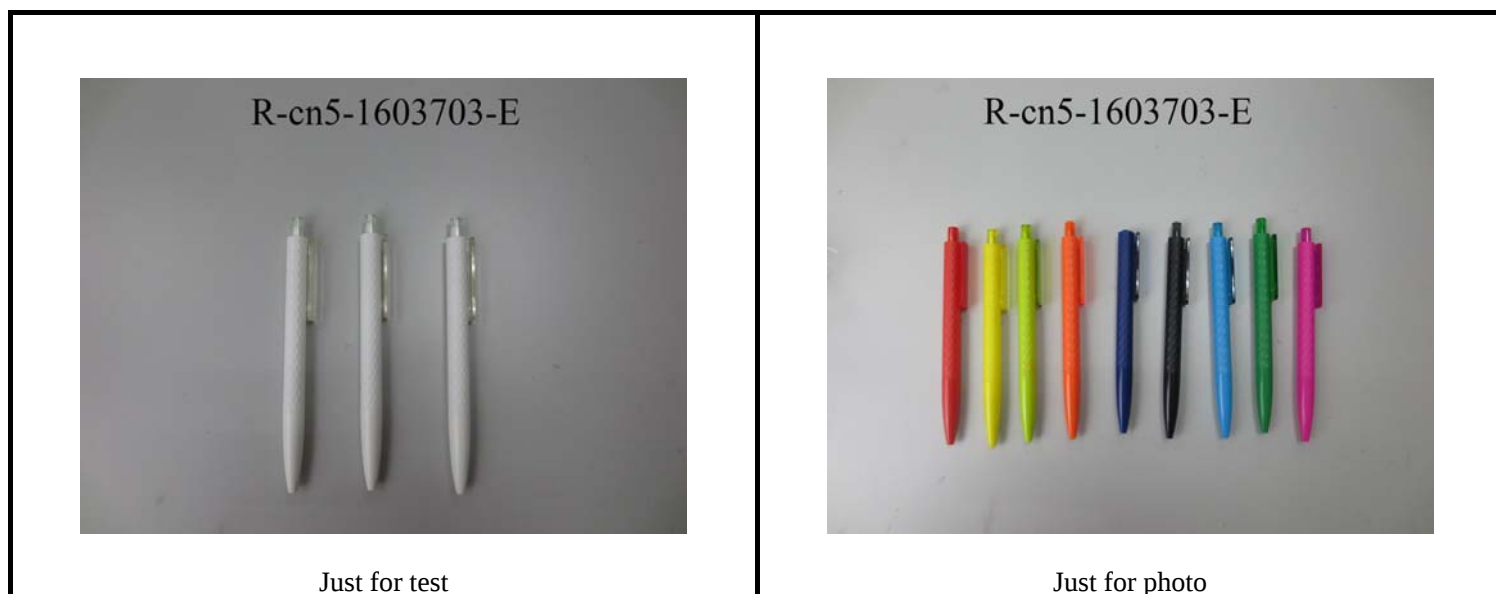
Note:

MDL:Method Detection Limit

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
GC-MS	Agilent	7890B-5977A

Annex: Sample Photo



The results shown here refer only to the sample(s) tested, unless otherwise stated. This report can only be reproduced in full, not partially, except by explicit written permission of the laboratory.

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