

The following sample(s) was/were submitted and identified on behalf of the clients as : BALL PEN INK(BLUE)

SGS Job No. : SHTY150100001008 - SH

Style No. : 1002

Supplier :

Manufacturer :

Country of Origin :

Date of Sample Received : 20 Jan 2015

Testing Period : 20 Jan 2015 - 26 Jan 2015

Test Requested : Selected test(s) as requested by client.

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

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

Result Summary :

Test Requested	Conclusion
EN71-3:2013+A1:2014 under European Directive 2009/48/EC-Migration of certain elements(Category II:for liquid or sticky toy material	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Serena Wang
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA15-012492.001	Blue ink

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EN71-3:2013+A1:2014 under European Directive 2009/48/EC-Migration of certain elements(Category II:for liquid or sticky toy material

Test Method : With reference to EN71-3:2013+A1:2014, analysis was performed by ICP-MS
Soluble Chromium (VI) was analyzed by IC-UV or LC-ICP-MS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Soluble Chromium (VI) (Cr VI)	0.005	mg/kg	0.005	ND
Soluble Lead (Pb)	3.4	mg/kg	0.5	ND
Soluble Antimony (Sb)	11.3	mg/kg	1	ND
Soluble Arsenic (As)	0.9	mg/kg	0.5	ND
Soluble Barium (Ba)	375	mg/kg	50	ND
Soluble Cadmium (Cd)	0.3	mg/kg	0.1	ND
Soluble Chromium (III) (Cr III)	9.4	mg/kg	5	ND
Soluble Mercury (Hg)	1.9	mg/kg	0.5	ND
Soluble Selenium (Se)	9.4	mg/kg	5	ND
Soluble Boron (B)	300	mg/kg	50	ND
Soluble Cobalt (Co)	2.6	mg/kg	0.5	ND
Soluble Manganese (Mn)	300	mg/kg	50	ND
Soluble Strontium (Sr)	1125	mg/kg	50	ND
Soluble Zinc (Zn)	938	mg/kg	50	ND
Soluble Copper (Cu)	156	mg/kg	50	73
Soluble Aluminum (Al)	1406	mg/kg	50	ND
Soluble Nickel (Ni)	18.8	mg/kg	10	ND
Soluble Tin (Sn)	3750	mg/kg	0.08	ND
Soluble Organic Tin*	0.2	mg/kg	-	ND

Notes :

- (1) *Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does



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not exceed the soluble organic tin requirement as specified in EN71-3:2013+A1:2014
 (2) Results shown are of the total weight of wet samples.

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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