

**Test Report.**

No. SHAHG1222875308

Date: 24 Apr 2014

Page 1 of 5.

XIAMEN LIVIYA CO.,LTD.

NO.153 TONG AN AREA TONG AN CENTRALIZED INDUSTRY ZONE XIAMEN CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : TEMPERATURE ERASABLE REFILL INK

SGS Job No. : SHHG1212048490SD - SH  
 Date of Sample Received : 18 Apr 2014.  
 Testing Period : 20 Apr 2014 - 23 Apr 2014  
 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.
Safety of Toys, EN 71 Part 9:2005 - Organic Chemical Compounds - Requirements Clause 4.2 Liquids in Toys-Toxicity classification	See Results.
Safety of Toys, EN71-9:2005+A1:2007 - pH Value	See Results.
Safety of Toys, EN71-9:2005+A1:2007 - Preservatives (Other than wood preservatives)..	See Results.
Safety of Toys, EN71-9:2005+A1:2007 - Primary Aromatic Amines	See Results.
Safety of Toys, EN71-9:2005+A1:2007 - Colorants	See Results.

Signed for and on behalf of  
 SGS-CSTC Ltd.



Helen Liu.

Approved Signatory

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Test Report.

No. SHAHG1222875308

Date: 24 Apr 2014

Page 2 of 5.

Test Results :

Test Part Description :

Specimen No..	SGS Sample ID.	Description.
1.	SHA12-228752.001	Grey paint.

Remarks :

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

Safety of Toys, EN71-9:2005+A1:2007 - pH Value.

Test Method : With reference to ISO 787/9 and EN71-9, aAnalysis was performed by pH meter.

Test Item(s).	Limit.	Unit.	MDL	001.
pH Value.	3.0-10.0.	-	-	8.0

Safety of Toys, EN71-9:2005+A1:2007 - Preservatives (Other than wood preservatives).

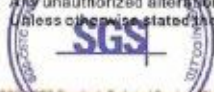
Test Method : Sample preparation with reference to EN71-10:2005 followed by analysis with reference to EN71-11:2005.

Test Item(s).	CAS_NO	Limit.	Unit.	MDL	001.
MIT.	2682-20-4.	10	mg/kg.	5	ND
CIT.	26172-55-4.	10	mg/kg.	5	ND
CIT + MIT.	--.	15	mg/kg.	10	ND
Phenol.	108-95-2.	10	mg/kg.	5	5.6
Formaldehyde (free)	50-00-0.	500	mg/kg.	200	ND

Safety of Toys, EN71-9:2005+A1:2007 - Primary Aromatic Amines.

Test Method : Sample preparation with reference to EN71-10:2005 followed by analysis with reference to EN71-11:2005.

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**Test Report.**

No. SHAHG1222875308

Date: 24 Apr 2014

Page 3 of 5.

<u>Test Item(s).</u>	<u>CAS NO</u>	<u>Limit.</u>	<u>Unit.</u>	<u>MDL</u>	<u>001.</u>
Aniline.	62-53-3.	5	mg/kg.	2	ND
o-Toluidine.	95-53-4.	5	mg/kg.	2	ND
2-Methoxyaniline	90-04-0.	5	mg/kg.	2	ND
4-Chloroaniline	106-47-8.	5	mg/kg.	2	ND
2-Naphthylamine	91-59-8.	5	mg/kg.	2	ND
Benzidine.	92-87-5.	5	mg/kg.	2	ND
3,3'-Dimethylbenzidine	119-93-7.	5	mg/kg.	2	ND
3,3'-Dichlorobenzidine	91-94-1.	5	mg/kg.	2	ND
3,3'-Dimethoxybenzidine	119-90-4.	5	mg/kg.	2	ND

Safety of Toys, EN71-9:2005+A1:2007 - Colorants.

Test Method : Sample preparation with reference to EN71-10:2005 followed by analysis with reference to EN71-11:2005.

<u>Test Item(s).</u>	<u>CAS NO</u>	<u>Limit.</u>	<u>Unit.</u>	<u>MDL</u>	<u>001.</u>
Basic Red 9.	569-61-9.	10	mg/kg.	2	ND
Acid Violet 49	1694-09-3.	10	mg/kg.	2	ND
Disperse Blue 1	2475-45-8.	10	mg/kg.	2	ND
Disperse Blue 3	2475-46-9.	10	mg/kg.	2	ND
Basic Violet 1	8004-87-3.	10	mg/kg.	2	ND
Disperse Blue 106	12223-01-7.	10	mg/kg.	2	ND
Solvent Yellow 1	60-09-3.	10	mg/kg.	2	ND
Basic Violet 3	548-62-9.	10	mg/kg.	2	ND
Disperse Orange 3	730-40-5.	10	mg/kg.	2	ND
Disperse Yellow 3	2832-40-8.	10	mg/kg.	2	ND
Disperse Red 1	2872-52-8.	10	mg/kg.	2	ND
Solvent Yellow 3	97-56-3.	10	mg/kg.	2	ND
Disperse Blue 124	61951-51-7.	10	mg/kg.	2	ND
Disperse Orange 37/76	12223-33-5.	10	mg/kg.	2	ND
Solvent Yellow 2	60-11-7.	10	mg/kg.	2	ND
Acid Red 26.	3761-53-3.	10	mg/kg.	2	ND

Remark: (1) Result shown is of the total weight of wet sample.

(2) The test results are taken from report SHAHG1222875206 A01, Date: 2014/04/21.

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Safety of Toys, EN 71 Part 9:2005+A1:2007 – Organic Chemical Compounds – Requirements Clause 4.2

Liquids in Toys-Toxicity classification

<u>Clause</u>	<u>Description</u>	<u>Results</u>
4	General requirements	
4.2	Liquid in Toys	
4.2.1	Toys shall not contain accessible liquids classified in accordance with Directive 1999/45/EC as very toxic, toxic, harmful, corrosive, irritant or sensitizing; and accessible liquids shall not contain substances that are classified as carcinogenic, mutagenic or toxic to reproduction, category 1 or 2. As a derogation, liquids present as ink supplied in writing instruments may be classified 'R36 Irritating to eyes'.	Pass
4.2.2	Accessible liquids in toys shall not have a pH of less than 3.0 or greater than 10.0 when tested in accordance with EN ISO 787-9.	See pH testing value
4.2.3	Toys shall not contain liquids classified in accordance with Directive 1999/45/EC as 'R65 Harmful: may cause lung damage if swallowed'.	Pass

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Sample photo:



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