

Test Report

No. SH9001607/CHEM

Date: Jan. 21, 2009

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YICHI HSIUNG IND. CORP.

NO.51, LANE 40, BEITANG RD., HOMEI TOWN SHIP, CHANGHUA COUNTY, TAIWAN 508

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name : ROPE LADDER
SGS Ref No. : SHT002900337
Item No. : RL1114

Sample Receiving Date : Jan.08, 2009
Testing Period : Jan.08 – 13, 2009

Test Requested : As specified by client, to determine lead content in paint/similar surface coating material (US 16 CFR 1303), lead content in accessible substrate materials and phthalates content in the selected parts of the submitted sample(s) with reference to US Public Law 110-314(Consumer Product Safety Improvement Act of 2008).

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

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Sandy Hao
Lab Manager

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Test Results:

(1) Lead content in paint/similar surface coating material (Unit:%)

Test Method: With reference to ASTM E1645-01 (2007) and E1613-04

Test item(s)	1	Permissible Limit*
Lead (Pb)	ND	0.009
Comment	PASS	---

* Conclusion is based on the 0.009% limit requirement, effective 14 August, 2009. The current permissible limit is no more than 0.06%

Note:

- 1) %=percentage by weight
- 2) ND=not detected
- 3) Method Detection Limit =0.002%

(2) Lead content in accessible substrate materials (Unit:%)

Test Method: Acid digestion followed by Atomic Absorption Spectrometer or Inductively Coupled Argon Plasma – Atomic Emission Spectrometer.

Test item(s)	2	3	Permissible Limit**
Lead (Pb)	ND	ND	0.03
Comment	PASS	PASS	---

Test item(s)	4	5	Permissible Limit**
Lead (Pb)	ND	ND	0.03
Comment	PASS	PASS	---

** Conclusion is based on the 0.03% limit requirement, effective 14 August, 2009. The requirements for Lead in substrate in children's products in summarized below.

Scope	Requirement	Effective date
Lead in substrate other than paint/similar surface coating material	≤0.06%	10 February 2009
	≤0.03%	14 August 2009
	≤0.01%	14 August 2011

Note:

- 1) %=percentage by weight
- 2) ND=not detected
- 3) Method Detection Limit =0.002%

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(3) Phthalates content (Unit:%)

Test Method: With reference to ASTM D3421-75. Analysis was performed by Gas Chromatography/Mass Spectrometer.

Toys and childcare articles

Test item(s)	4	5	Permissible Limit
Dibutyl Phthalate(DBP)	ND	ND	0.1
Benzylbutyl Phthalate(BBP)	ND	ND	0.1
Bis-(2-ethylhexyl) Phthalate(DEHP)	ND	ND	0.1
Comment	PASS	PASS	---

Toys that can be placed in the mouth and childcare articles

Test item(s)	4	5	Permissible Limit
Diisononyl Phthalate(DINP)	ND	ND	0.1
Di-n-octyl Phthalate(DNOP)	ND	ND	0.1
Diisodecyl Phthalate(DIDP)	ND	ND	0.1
Comment	PASS	PASS	---

Note:

- 1) %=percentage by weight
- 2) ND=not detected
- 3) Method Detection Limit for each of DBP, BBP, DEHP and DNOP =0.003%
- 4) Method Detection Limit for each of DINP and DIDP =0.010%
- 5) Effective Date = 10 February 2009

Sample Description:

1. Red-brown coating
2. Nature wood
3. Silvery metal hook
4. White plastic rope
5. White plastic

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Sample photo:

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SGS authenticate the photo on original report only

*** End of Report ***

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