

## Test Report

No. SH9166238/CHEM

Date: Sep. 2, 2009

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YICHI HSIUNG IND.CORP.

NO.51, LANE 40, BEITANG RD, HOMEI TOWNSHIP, 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. : SHT002918707  
Item No. : RL1115

Sample Receiving Date : Aug.28, 2009  
Testing Period : Aug.28– Sep.02, 2009

Test Requested : As specified by client, selected parts of the submitted sample(s) for compliance with Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):-  
1) Lead in paint / similar surface coating material  
2) Lead in accessible substrate materials  
3) Phthalates

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

Result Summary :

| <u>Item</u> | <u>Test Parameter</u>  | <u>Conclusion</u> |
|-------------|--|-------------------|
| 1           | CPSIA section 101(f) - Lead in paint/similar surface coating material                                    | <b>PASS</b>       |
| 2           | CPSIA section 101(a)(2) - Lead in accessible substrate materials<br>(including Children's Metal Jewelry) | <b>PASS</b>       |
| 3           | CPSIA section 108 - Phthalates   | <b>PASS</b>       |

Signed for and on behalf of  
SGS-CSTC Chemical Laboratory



Sandy Hao  
Lab Manager

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Test Results:

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

Method: CPSC Test Method: CPSC-CH-E1003-09' Standard Operation Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'

| Test item      | 1           | Permissible Limit |
|----------------|-------------|-------------------|
| Lead (Pb)      | ND          | 0.009             |
| <b>Comment</b> | <b>PASS</b> | ---               |

Note:

1. % = percentage by weight
2. 1% = 10000ppm (mg/kg)
3. ND = not detected
4. Method Detection Limit = 0.002 %

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

Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'

| Test item      | 2◆          | 3◆          | Permissible Limit** |
|----------------|-------------|-------------|---------------------|
| Lead (Pb)      | ND          | ND          | 0.03                |
| <b>Comment</b> | <b>PASS</b> | <b>PASS</b> | ---                 |

\*\* The requirements for lead in substrate in children's products is summarized below

| Scope                        | Requirement | Effective date |
|------------------------------|-------------|----------------|
| Lead in accessible substrate | ≤ 0.03 %    | 14 August 2009 |
|                              | ≤ 0.01%     | 14 August 2011 |

Note:

1. % = percentage by weight
2. 1% = 10000ppm (mg/kg)
3. ND = not detected
4. Method Detection Limit = 0.002 %
5. ◆The test results 2 are taken from report SH9155004/CHEM-2, Date: 2009/08/14  
 ◆The test results 3 are taken from report SH9155004/CHEM-3, Date: 2009/08/14

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**3) Phthalates (Unit:%)**

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

Concentration of phthalates in components of toy product

| <u>Test item(s)</u>                | <u>1</u>    | <u>2◆</u>   | <u>Permissible Limit per component</u> |
|------------------------------------|-------------|-------------|--|
| Dibutyl Phthalate(DBP)             | ND          | ND          | 0.1                                    |
| Benzylbutyl Phthalate(BBP)         | ND          | ND          | 0.1                                    |
| Bis-(2-ethylhexyl) Phthalate(DEHP) | ND          | ND          | 0.1                                    |
| <b>Comment</b>                     | <b>PASS</b> | <b>PASS</b> | ---                                    |

Concentration of phthalates in components of toy that can be placed in the mouth or childcare article

| <u>Test item(s)</u>        | <u>1</u>    | <u>2◆</u>   | <u>Permissible Limit per component</u> |
|----------------------------|-------------|-------------|--|
| Diisononyl Phthalate(DINP) | ND          | ND          | 0.1                                    |
| Di-n-octyl Phthalate(DNOP) | ND          | ND          | 0.1                                    |
| Diisodecyl Phthalate(DIDP) | ND          | ND          | 0.1                                    |
| <b>Comment</b>             | <b>PASS</b> | <b>PASS</b> | ---                                    |

**Note :**

1. % = percentage by weight
2. 1% = 10000ppm (mg/kg)
3. ND = not detected
4. Method Detection Limit for each of DBP, BBP, DEHP and DNOP = 0.003 %
5. Method Detection Limit for each of DINP and DIDP = 0.01 %
6. ◆The test results 2 are taken from report SH9155004/CHEM-2, Date: 2009/08/14

**Test Part Description:**

1. Brown coating
2. White rope
3. Nature wood

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Sample photo:



SGS authenticate the photo on original report only

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

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