

## TEST REPORT

REPORT NO. : TS-100576  
DATE : MAY 12, 2010

### SAMPLE DESCRIPTION :

Submitted five (5) sets of **185-PC Alphabet Stamp Set** samples \*\*\*

Product Name : 185-PC Alphabet Stamp Set  
Article No. : 74608  
Country of Origin : Taiwan  
Labeled Age Grade : No labeling  
Testing Age Grading : 3+  
Date(s) of samples received : May 04, 2010

**TEST METHOD & RESULTS : Please refer to next page(s).**

**CONCLUSION : Please refer to page two (2)**

\*\*\*\*\* End of Page 1 of 6 \*\*\*\*\*

Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this report were determined by this laboratory in accordance with its terms of accreditation

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### CONCLUSION :

EN71-1:2005+A8 Mechanical and Physical Properties (excluding packaging labeling*)	PASS
EN71-2:2006+A1:2007 Flammability Requirements	PASS
EN71-3:1994+A1:2000 & AC:2002 Migration of Certain Elements	PASS

\*There is no labeling on the submitted product package, so packaging labeling can not be verified.

**REMARK : THE RESULTS RELATE ONLY TO THE SAMPLES TESTED.**

*For and on behalf of*  
Specialized Technology Resources (Taiwan) Ltd.



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Ingred Huang  
Manager  
Toys and Hardlines Department

*For and on behalf of*  
Specialized Technology Resources (Taiwan) Ltd.



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Jennifer Lee  
Manager  
Chemical Department

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### TEST RESULTS:

#### 1.1 PHYSICAL AND MECHANICAL TESTS OF THE MOST STRINGENT REQUIREMENTS OF THE FOLLOWING STANDARDS:

##### A) EN71-1:2005+A8

The following clauses are identified to be applicable:

Applicant Specified Age Grading for testing: 3 +

Sample size: 1 set(s) × 1 style(s)

<u>Clause</u>	<u>Test Items</u>	<u>Assessment</u>
4.1	Material	Pass
4.2	Assembly	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
8.3	Torque Test	Pass
8.4	Tension Test	Pass
8.5	Drop Test	Pass
8.7	Impact Test	Pass
7	Warnings and instructions for use	Not Tested <sup>1</sup>

##### Details

- The final product packaging was not submitted for evaluation.

#### 1.2 FLAMMABILITY TEST TO EN 71-2:2006+A1:2007 Clause 4.1 General Requirement (Cellulose Nitrate)

Requirement: Celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games, and materials with the same behaviour in fire as celluloid shall not be used in the manufacture of toys.

Results: The submitted sample(s) complied with this requirement.

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### TEST RESULTS:

#### 2 CHEMICAL TESTS:

Key to sample(s):

Sample 1 = Red Ink  
Sample 2 = Green Ink  
Sample 3 = Blue Ink  
Sample 4 = Black Ink  
Sample 5 = Pink Stamp Foam  
Sample 6 = Orange Stamp Foam  
Sample 7 = Yellow Stamp Foam  
Sample 8 = Green Stamp Foam  
Sample 9 = Blue Stamp Foam  
Sample 10 = Purple Stamp Foam  
Sample 11 = White Alphabet Stamp

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### TEST RESULTS:

#### 2.1 MIGRATION OF CERTAIN ELEMENTS : EN71-3 : 1994 + A1: 2000 & AC: 2002 Section 8.1 for samples 1 to 10, Section 8.6 for sample 11 & Section 8.7.4 for samples 12 to 20

Results:

Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 1	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 2	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 3	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 4	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 5	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 6	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 7	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 8	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 9	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 10	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Sample 11	<6.0	<2.5	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0

All concentrations expressed in milligrams per kilogram and unadjusted unless otherwise stated  
"<" means "less than"

#### Remark:

1. Method for determination of each soluble element present
  - a) Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury and Selenium are determined by Inductively Coupled Plasma Spectroscopy.

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**Photo of Sample (s) :**

**Article No. 74608 185-PC Alphabet Stamp Set**

