

# TEST REPORT

**CLIENT :**  
THE CHENILLE KRAFT COMPANY  
P.O. Box 55 Ambrogio Dr.  
Gurnee, IL 60031,  
U.S.A.

**REPORT NO. :** TT0302600  
**DATE :** August 04, 2003

**Attn. :** Beverly Jackson  
**Cc. :** Jennifer DiBacco - STRUS

## SAMPLE DESCRIPTION :

Submitted two (2) sets of Colossal Brushes samples. \*\*\*

STR Project No. : 1456.9180  
Style / Item No. : 5160  
Age Grading : 3+  
Date(s) of samples received : July 29, 2003 (p.m.)

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

## CONCLUSION :

Samples*	ASTM F963-96a / 16 CFR 1500 Physical & Mechanical Requirements	PASS
Samples*	ASTM F963-96a / 16 CFR 1500.3 (c)(6)(vi) Flammability Requirements	PASS
Samples*	ASTM F963-96a 4.3.5.1 / 16 CFR 1303 Total Lead Content Requirements	NOT APPLICABLE
Samples*	ASTM F963-96a 4.3.5.2 Soluble Migrated Elements Requirements	NOT APPLICABLE
Samples*	EN71-1 : 1998 with Amendment A1:2001, A2:2002, A5:2000, A6:2002, A7:2002 & A8:2003 Mechanical & Physical Properties	PASS
Samples*	Council Directive 93/68/EEC - CE Conformity Marking	PASS
Samples*	EN71-2 : 1993 with Amendment AC:1995 Flammability Requirements	PASS
Samples*	EN71-3 : 1994 with Amendment A1:2000 Migration of Certain Elements	PASS
Samples*	CONEG Model Toxics in Packaging Legislation 1996	PASS
Samples*	94/62/EC Packaging and Packaging Waste Requirement	PASS

*Samples\* = Colossal Brushes samples*

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

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



Y. C. Chan  
Project Manager  
Toys and Premiums Department  
/aw

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## TEST RESULTS:

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

- A) ASTM F963-96a
- B) 16 CFR 1500

The following clauses are identified to be applicable and the corresponding test results :

Age grading applied in testing : 3 years and up

Labeled age grading : Ages 3 and up

Sample size : 1 piece

<u>ASTM</u>	<u>16CFR</u>	<u>Test Items</u>	<u>Assessment</u>
4.7	1500.49	Accessible Edges	Pass
4.8	1500.48	Accessible Points	Pass
4.31	1500.14	Art Materials	Pass
5		Safety Labeling Requirements	
5.1	1500.121	Federal Government Requirements	Pass
5.6		Age Grading	Ages 3 and up
5.16	1500.14	Art Materials	Pass
7		Producer's Markings	Pass
8.7.1	1500.53	Drop Test	Pass
8.8	1500.53	Torque Tests for Removal of Components	Pass
8.9	1500.53	Tension Test for Removal of Components	Pass

Remark: It was highly recommended to make a hole for ventilation on the Colossal Brush box so as to keep children away from suffocation.

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### TEST RESULTS:

#### 1.2 MECHANICAL AND PHYSICAL PROPERTIES OF THE MOST STRINGENT REQUIREMENTS OF THE FOLLOWING STANDARDS :

C) EN71-1 : 1998 with Amendments

The following clauses are identified to be applicable and the corresponding test results :

Age grading applied in testing : 3 years and up

Labeled age grading : Ages 3 and up

Sample size : 1 piece

<u>EN71-1</u>	<u>Test Items</u>	<u>Assessment</u>
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and wires	Pass
7	Warnings and Instructions for use	
7.1	General	Pass
8.11	Sharpness of edges [A5:2000]	Pass
8.12	Sharpness of points	Pass

Remark: It was highly recommended to make a hole for ventilation on the Colossal Brush box so as to keep children away from suffocation.

#### 1.3 CE CONFORMITY MARKING : 93/68/EEC

Sample size : 1 piece

Requirement : The toy or its packaging shall bear a CE marking which consist of the initials "CE" which may not be less than 5mm.

Result : 1 piece of tested sample complied with this requirement.

#### 1.4 FLAMMABILITY TEST TO ASTM F963-96a Section 4.2 and Annex A5 / 16 CFR 1500.44 defined under 16 CFR 1500.3 section (c) (6) (vi)

Sample size : 4 pieces

Requirement : Burning rate should not exceed 0.1 inch per second along the major axis.

<u>Results</u>	<u>Sample Description</u>	<u>Maximum Burning Rate</u>	<u>Result</u>
	Blue Colossal Brushes	0.02 inch per second	Pass
	Yellow Colossal Brushes	0.02 inch per second	Pass
	Red Colossal Brushes	0.02 inch per second	Pass
	Green Colossal Brushes	0.02 inch per second	Pass

## TEST REPORT

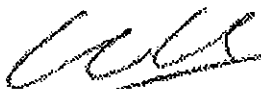
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REPORT NO. : TT0302600  
DATE : August 04, 2003

### TEST RESULTS:

Date(s) of test(s) conducted : July 31, 2003

*Prepared and checked by*  
Specialized Technology Resources (H.K.) Ltd.



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W. K. Leung  
Laboratory Manager – Physical & Mechanical Department  
/tl

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## TEST RESULTS:

### 2. CHEMICAL TESTS:

#### Key to samples:

Sample 1 = Red plastic  
Sample 2 = Yellow plastic  
Sample 3 = Blue plastic  
Sample 4 = Green plastic  
Sample 5 = Light yellow brush  
Sample 6 = Color sticker + Transparent plastic box

#### 2.1 FLAMMABILITY TEST TO EN71-2:1993 with Amendment AC:1995 Section 4.1 General Requirement

Requirement : Celluloid (cellulose nitrate) and materials with the same behaviour in fire (except when used in varnish or paint) shall not be used in the manufacture of toys.

Result : The submitted samples passed this requirement.

#### 2.2 MIGRATION OF CERTAIN ELEMENTS : EN71-3 : 1994 with Amendment A1:2000 Section 8.2 for samples 1 to 4 & Section 8.4 for sample 5

##### 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	6.5	<6.0	<6.0	<6.0	<6.0	<6.0

All concentrations expressed in milligrams per kilogram  
"<" means "less than"

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## TEST RESULTS:

### 2.2 MIGRATION OF CERTAIN ELEMENTS : EN71-3 : 1994 with Amendment A1:2000 Section 8.2 for samples 1 to 4 & Section 8.4 for sample 5

#### 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.

### 2.3 CONEG MODEL TOXICS IN PACKAGING LEGISLATION 1996 AND IN-HOUSE METHOD WITH REFERENCE TO SLIHT002

#### Results:

Elements	Total Cadmium	Hexavalent Chromium	Total Lead	Total Mercury	Pb + Cd + Hg + Cr(VI)
Limits	< 100	< 100	< 100	< 100	< 100
Sample 6	<2.5	<2.5	<7.5	<1.0	<13.5

All concentrations expressed in ppm (parts per million)  
"<" means "less than"

### 2.4 PACKAGING AND PACKAGING WASTE REQUIREMENT : 94/62/EC & IN-HOUSE METHOD WITH REFERENCE TO SLIHT002

Requirement : The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium present in packaging or packaging components shall not exceed 100 ppm by weight.

Results : Color sticker + Transparent plastic box  
Sum of concentration level of lead, cadmium, mercury and hexavalent chromium is less than 13.5 ppm.

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**DATE :** August 04, 2003

**TEST RESULTS:**

Date(s) of test(s) conducted : July 30 to August 1, 2003

*Prepared and checked by*  
Specialized Technology Resources (H.K.) Ltd.



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DR. LEE SIU MING  
Laboratory Manager  
Chemical Department  
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