



**TECHNICAL REPORT**

**Report # 35692**

**Rolette, LLC  
P.O. Box 11274  
Chicago, IL 60611**

**October 12, 2007**

**Requested by:** Bill Rolette  
**Authorization Received:** September 12, 2007  
**Sample Name:** Post Cards From North America / Board Game  
**Model/Style #:** NA01  
**Sample Received:** September 7, 2007  
**Number of Samples:** 6  
**Labeled Age Group:** 8+  
**Age Grading to be Applied:** 8+  
**Condition Received:** Good  
**Testing Completed:** October 5, 2007

**SUMMARY:**

**Chemical Analysis:**

ASTM F963-07 & 16 CFR 1303, Heavy Metals

**Mechanical Hazards:**

ASTM F963-07

**RESULTS:**

DOES COMPLY

DOES COMPLY

**Reviewed by:**

Caroline Decherd  
Jr. Client Manager  
end

Andrew Farhat  
Technical Manager

**Chemical Analysis: Heavy Metals**

**Procedure:** Analysis of the paints or coatings was performed by *Inductively Coupled Argon Plasma or Atomic Absorption Spectroscopy* to determine compliance with the **American Society for Testing and Materials Reference Standard F963, paragraph 4.3.5 and 16 CFR 1303.**

**Requirements:**

- A. **ASTM F-963-07:** Coating materials, to be deemed suitable for use where dry film might be ingested by children, shall not contain weak acid extractable metals.
- B. **CPSC:** The lead content (calculated as lead metal) shall not exceed 0.06 weight percent (600 mg/kg) of the dried paint film as required by **16 CFR 1303.**

**Sample ID:** Post Cards From North America / Board Game, Style#: NA01

**Sample Utilized:** Coating Removed from Product

		<i>Results Soluble mg/kg</i>	<i>Results Soluble mg/kg</i>	<i>Results Soluble mg/kg</i>	<i>Results Soluble mg/kg</i>
		1	2	3	4
<b>Element</b>	<b>Max Limit mg/kg</b>	<b>Composite of front of board</b>	<b>Composite of back (black) on the board</b>	<b>Composite of front of cards</b>	<b>Composite of back of card</b>
Extractable Antimony	60	<5.0	7.4	11.7	8.5
Extractable Arsenic	25	6.7	7.6	15.5	12.3
Extractable Barium	1000	<5.0	19.5	<5.0	<5.0
Extractable Cadmium	75	<5.0	<5.0	<5.0	<5.0
Extractable Chromium	60	<5.0	<5.0	7.6	6.0
Extractable Lead	90	<5.0	<5.0	<5.0	<5.0
Extractable Mercury	60	<5.0	<5.0	<5.0	<5.0
Extractable Selenium	500	57.3	18.7	133.6	108.9
Total Lead	600	<10.0	<10.0	<10.0	<10.0

**Note:** The colors on the dice could not be tested due to insufficient samples.

**Conclusion:** When tested as specified, the submitted sample **does comply** with the requirements of **16 CFR 1303** and **ASTM F963-07** for lead and other heavy metals.

**CONFORMANCE TO ASTM F963-07**

<b>Sample ID:</b>	Post Cards From North America / Board Game, Style#: NA01	<b>Packaging Included:</b>	No
<b>Labeled Age Group:</b>	8+	<b>Appropriate Warning Labeling:</b>	N/A
<b>Recommended Age Grading:</b>	8+	<b>Machine Washable Plush Toy:</b>	N/A
<b>Tested Age Grade:</b>	8+	<b>Conclusion:</b>	PASS

**Procedure:** The submitted samples were tested to the applicable sections of *ASTM F963-07* requirements.

P = Pass		F = Fail		N/A = Not Applicable		
Clause	Description	P	F	N/A		
<b>4</b>	<b><u>SAFETY REQUIREMENTS</u></b>					
4.1	Material quality (visual check on cleaningless)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>5.16</b>	<b>Promotional materials</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>6.2</b>	<b>Toy chests</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>7</b>	<b>PRODUCER'S MARKING</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>7.1</b>	Name YES Address YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

**Conclusion:**

When tested as specified, the submitted sample **does comply** with the *ASTM F963-07* requirements for Mechanical Hazards.

