



TECHNICAL REPORT

Report # 28017

**Thames & Kosmos, LLC
207 High Point Avenue
Portsmouth, RI 02871**

June 30, 2005

Requested by:	Ted McGuire
Authorization Received:	June 9, 2005
Sample Name:	Dinosaur Science Kit
Model/Style #:	632618
Sample Received:	June 9, 2005
Number of Samples:	1
Labeled Age Group:	8+
Age Grading to be Applied:	8+
Condition Received:	Good
Testing Completed:	June 28, 2005

SUMMARY:

Chemical Analysis:

16 CFR 1303

Mechanical Hazards:

ASTM F963-03

LHAMA Certification:

ASTM D4236-94

RESULTS

DOES COMPLY

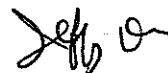
DOES COMPLY

See page 4 for detailed findings.

Reviewed by:


Albert J. Rapella

Supervisor, Technical Services



Jeffrey D. Lipko

Technical Director, Hardlines

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Chemical Analysis: Lead

Procedure: Analysis of the paints or coatings was performed by *Inductively Coupled Argon Plasma or Atomic Absorption Spectroscopy* to determine compliance with **16 CFR 1303**.

Requirement: The lead content (calculated as lead metal) shall not exceed 0.06 weight percent (600 ppm) of the dried paint film as required by **16 CFR 1303**.

Sample ID: **Dinosaur Science Kit - #632618**

Sample Utilized: Complete Product Digested

Test Results:

		Total Lead Count	
		<i>Ppm</i>	<i>%</i>
1.	Plaster Powder	<10.0	<0.001

Conclusion: When tested as specified, the submitted sample **does comply** with **16 CFR 1303** requirements.

CONFORMANCE TO ASTM F963-03

Sample ID: Dinosaur Science Kit #632618 **Packaging Included:** Yes
Labeled Age Group: 8+ **Appropriate Warning Labeling:** Yes
Age Grading to be Applied: 8+ **Machine Washable Plush Toy:** N/A
Number of Samples: 1

Procedure: The submitted samples were tested to the applicable sections of *ASTM F963-03* requirements.

P = Pass		F = Fail	N/A = Not Applicable		
Clause	Description	P	F	N/A	
4.0	Safety Requirements				
4.1	Material	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6	Small Objects				
4.6.1	Children under 36 months – no small parts allowed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note 5.
4.6.1.3	Adult Assembly Warning	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note 3.
4.7	Accessible Edges				
4.7.1	Children under 8 years old – no metal or glass sharp edges	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note 2.
4.7.2	Functional sharp edges (0 to 48 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note 1.
4.7.4	Molded Toys (no hazardous edges)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.8	Projections	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Note 4.
4.9	Accessible Points				
4.12	Packaging Film	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note 6.
5.0	Labeling (as applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.0	Producers markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTES:

- The fossilized shark tooth has a verifiable sharp point but it is N/A because the toy is graded for 8 years +. Both wood dowels have a sharp point but it is N/A because of the toys age grading.
- The round head fastener has a sharp edge on of its tangs but is N/A because the toy is ages graded 8 +.
- Sample has a statement "Not to be used by children except under adult supervision."
- Sample contains two pointed dowels that when assembled hold up a display. They are N/A as projections because the kit is graded for 8 + years.
- In its unassembling state; the dinosaur skeleton has 5 small parts, but they are N/A because the toys are age grading.
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Packaging Film Thickness	
Measurement	Thickness
1.	0.0016
2.	0.0016
3.	0.0016
4.	0.0016
5.	0.0016
6.	0.0016
7.	0.0016
8.	0.0016
9.	0.0016
10.	0.0016
Average	0.0016

Pass

Conclusion: When tested as specified, the submitted sample **does comply** with the *ASTM F963-03* requirements for Mechanical Hazards.

LHAMA Certification:

As per client's request, this product was evaluated for compliance with the labeling requirements designated in the U.S. Consumer Product Safety Commission (CPSC) Regulations (16 CFR 1500.14) and the American Society for Testing and Materials (ASTM) D 4236-94 (LHAMA Certification).

Sample ID: **Dinosaur Science Kit - #632618**

The CPSC defines a toxicologist as an individual who through education, training and experience has expertise in the field of toxicology, as it relates to human exposure, and is certified by a nationally recognized certification board (The American Board of Toxicology, Inc.)

This product is composed of 100% gypsum. It is assumed that this material contains no contaminants at levels that would be toxic or irritating to a consumer who may contact them. Searches of the National Library of Medicine's toxicological databases and information from other sources provided no evidence to indicate that this material would be expected to cause chronic adverse health effects in consumers who may be exposed to it.

Consequently, exposures to this material would not be expected to pose any significant chronic adverse health effects to humans when this product is used as intended or under circumstances involving reasonable foreseeable misuse.

Product Reviewed by: Dr. Michael J. Norvell, Ph. D., DABT-Toxicologist

