

**TECHNICAL REPORT**

**Report # 27682**

**Fractiles Incorporation  
2525 Arapahoe Avenue Suite E4-110  
Boulder, CO 80302**

**June 3, 2005  
Revised June 6, 2005**



**Requested by:** Beverly Johnson  
**Authorization Received:** May 11, 2005  
**Sample Name:** Fractiles Magnetic Tiling Toy-48pc "Fridge" Set, 96pc Travel Set, and Large Set  
**Model/Style #:** None Given  
**Sample Received:** May 11, 2005  
**Number of Samples:** 4  
**Labeled Age Group:** 6+ to Adult  
**Age Grading to be Applied:** 36 months +  
**Condition Received:** Good  
**Testing Completed:** May 31, 2005

**SUMMARY:**

**Chemical Analysis:**  
16 CFR 1303

**Mechanical Hazards:**  
16 CFR 1500

*\*Revised to add additional title.*

**RESULTS**

DOES COMPLY

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**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:**     **Fractiles:**   **1 48 pc "Fridge" Set**  
  **1 96 pc Travel Set**  
  **1 Large Set**

**Sample Utilized:**     Coating's Removed from Product

**Test Results:**

	Sample/Color	Total Lead Count	
		Ppm	%
1.	Red Tiles	<10.0	<0.001
2.	Blue Tiles	<10.0	<0.001
3.	Yellow Tiles	<10.0	0.01
4.	Black from Board	10.6	0.001

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



