

**U.S. Consumer Product Safety Commission  
LOG OF MEETING**

CPSC  
7/29/08  
Valerie P...

**SUBJECT: Demonstration of the proposed smoldering test procedures**

**DATE OF MEETING: 7/14/08**

**LOG ENTRY SOURCE: Linda Fansler**

**DATE OF LOG ENTRY: 7/15/08**

**LOCATION: CPSC, Laboratory Sciences, Building A**

**CPSC ATTENDEE(S):**

Dale Ray, Project Manager, Upholstered Furniture  
Lisa L. Scott, Laboratory Sciences  
Andrew Bernatz, Laboratory Sciences  
Linda Fansler, Laboratory Sciences  
Patricia Adair, Engineering Sciences  
Rohit Khanna, Engineering Sciences

**NON-CPSC ATTENDEE(S):**

Hardy Poole, NTA (National Textile Association)  
Ladson L. (Larry) Fraser, Precision Fabrics  
Phil Wakelyn, NCC (National Cotton Council)  
Ron Dombrowski, TechTex Solutions  
Salman Chaudhry, American Silk  
Jessica Franken, INDA (Association of the Nonwoven Fabrics Industry)  
Terry Fannon, Valdese Weavers  
Barbara Little, Albemarle  
David Ryan, Craftex/NTA  
Joe Ziolkowski, UFAC (Upholstered Furniture Action Council)  
Richard Krapfel, Basofil Fibers

**Michele Wallace, Cotton Incorporated  
Nauman Sheikh, Weave Corporation**

**SUMMARY OF MEETING:**

**Mr. Poole, NTA requested a meeting with Commission staff. The purpose of the meeting was to demonstrate the smoldering test procedures in the draft proposed furniture rule. Laboratory Sciences staff demonstrated how to build a mockup for smoldering evaluation. Then using three premade mockups, staff placed lit cigarettes in the crevice location on the mockups to evaluate each mockup construction that was demonstrated. Staff discussed the technical aspects of the smoldering test procedures. Staff also responded to questions from the attendees regarding the smoldering test procedures.**

**Attached are three slides shown by the staff at the meeting. The first slide shows the mockup constructions included in the demonstration. The second slide shows the math used to determine the percent mass loss of the foam. And the third slide shows the pass/fail criteria for fabrics used on Type I and Type II furniture.**

Slide 1

NTA Demonstration		
July 14, 2008		
Left Position		Right Position
Floral Cotton Print		Cotton Velvet
6 oz./yd <sup>2</sup>		10 oz./yd <sup>2</sup>
SPUF Foam		Polyester Barrier
	Center Position	SPUF Foam
	Red Cotton Twill	
	9.5 oz./yd <sup>2</sup>	
	SPUF Foam	

Slide 2

Mass Loss Calculation

$$\% \text{ Loss} = \frac{(\text{Pre-Test}) - (\text{Post-Test})}{(\text{Pre-Test})} \times 100$$

Slide 3

Performance Criteria	
<u>Type I</u>	<u>Type II</u>
• No smoldering at 45 min.	• Smoldering permitted
• Foam mass loss < 10 %	• Foam mass loss < 1 %
• No open flames	• No open flames