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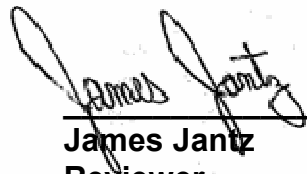
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PETER PEPPER PRODUCTS  
Date: April 13, 2010  
P.O. No.: CKP

Project No.: 100038983GRR-001  
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**Test Report For:**  
**PETER PEPPER PRODUCTS**  
**CALIFORNIA TB-133**  
**FURNITURE SEATING FIRE TEST**  
**Scoop Folding Chair**

  
**Dorian Bako**  
**Project Manager**

  
**James Jantz**  
**Reviewer**

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## CALIFORNIA TB-133 TEST PROCEDURE

Flammability Test Procedure for Seating  
Furniture for use in Public Occupancies

### **Test Procedure:**

The submitted sample was tested according to the procedure outlined in the Bureau of Home Furnishing's Technical Bulletin Number 133, dated January, 1991.

### **Test Ignition Source:**

Square Gas Burner as described in Appendix C.

### **Test Sample Conditioning:**

Pre-conditioned 48 hours at  $70 \pm 5^{\circ}\text{F}$  and relative humidity of less than 55%.

### **Test Criteria:**

Seating furniture fails to meet the requirements of Technical Bulletin 133 under Group A if any of the following criteria are exceeded:

#### **Criteria Group A:**

1. Temperature increase of  $200^{\circ}\text{F}$  or greater at the ceiling thermocouple.
2. A temperature increase of  $50^{\circ}\text{F}$  or greater at the four (4) foot thermocouple.
3. Greater than 75% opacity at the four (4) foot smoke opacity monitor.
4. Carbon monoxide concentration shall not continuously exceed 1000 ppm for five (5) minutes.
5. Greater than 3 lbs. weight loss in the first ten (10) minutes of test.

Seating furniture fails to meet the requirements of Technical Bulletin 133 under Group B if any of the following criteria are exceeded:

#### **Criteria Group B:**

1. A maximum rate of heat release of 80 kW or greater.
2. A total heat energy release of 25 MJ or greater in the first 10 minutes of the test.
3. Greater than 75% opacity at the four (4) foot smoke opacity monitor.
4. Carbon Monoxide concentration shall not continuously exceed 1000 ppm for five (5) minutes.

Date Received: 04/02/10  
Date Tested: 04/09/10

**Test Sample Description (per PETER PEPPER PRODUCTS):**

Product: Scoop Folding Chair  
Model Number: Scoop-Up  
Condition of Samples: Production  
Fabric Type: Mobern Legacy TB117  
Fabric Color: Not Stated  
Blocking Description (if present): Kevlar  
Filler Description (order of layering): Foam 2860 Cal 133  
Sample Dimensions: 19.5" x 32" x 21"  
Arm Description (if present): N/A  
Additional Comments: None Stated

**Test Procedure:**

Conduct the California TB-133 Seating Product Burn Test on the **Scoop Folding Chair**. Determine if the submitted sample meets the test requirements.

**Acceptance Criteria:**

The acceptance level criteria are listed in the summation table on the following page.

**Conclusion:**

The test results show that the **Scoop Folding Chair** passed both Criteria A and Criteria B of the California TB-133 Burn Test.

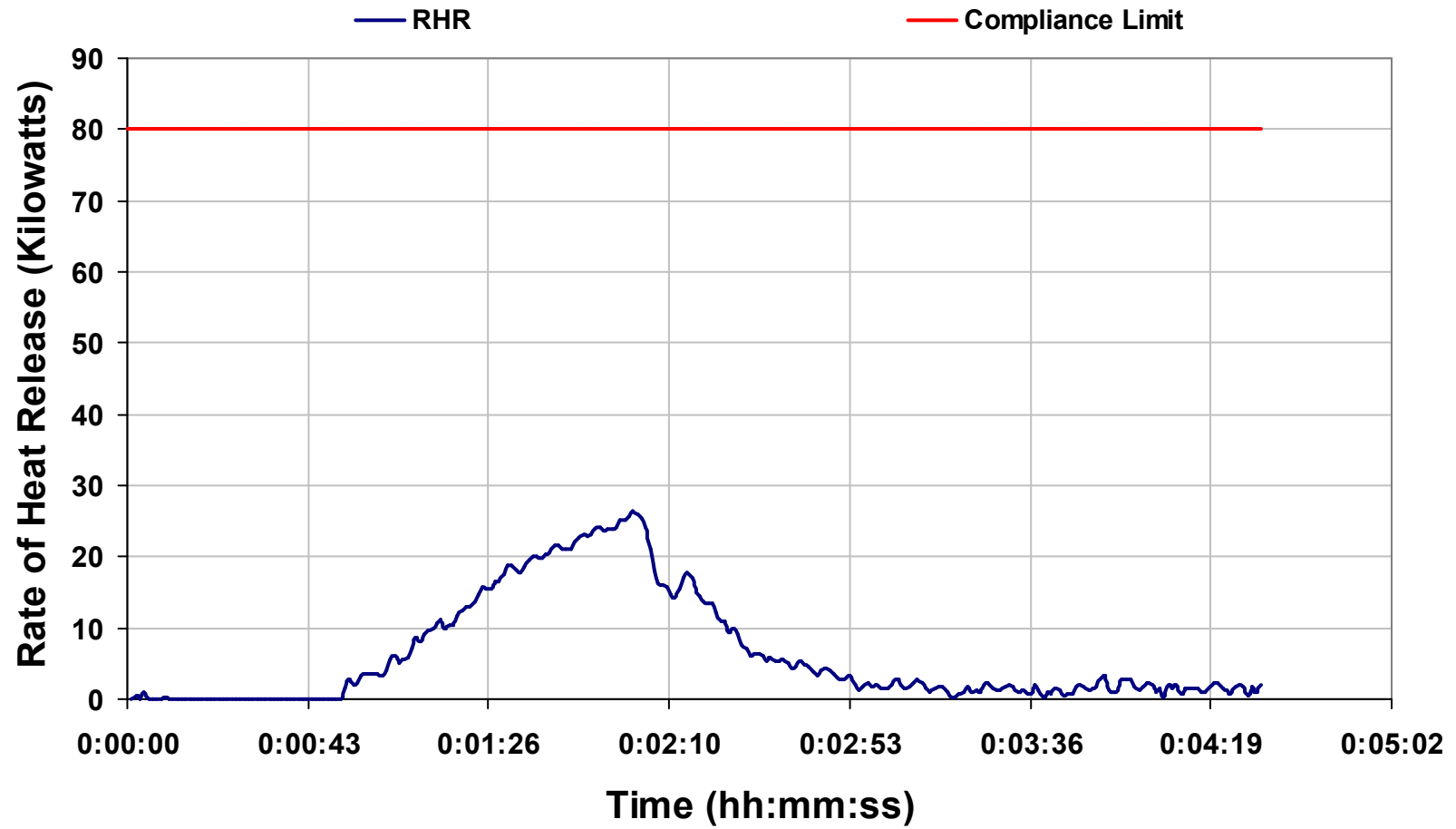
**Test Equipment:**

<b>Asset No.:</b>	<b>Description:</b>	<b>Cal Due:</b>
138245	SCALE	05/06/2010
138051.9	SMOKE DENSITY MONITOR 0-100%	VBU
138051.26	CARBON MONOXIDE / DIOXIDE ANALYZER	VBU
138051.18	OXYGEN ANALYZER	06/01/2010
138181	DPI DIFFERENTIAL PRESSURE TRANSDUCER	02/03/2011
138112	GRADUATED RULE 36"	08/27/2013
138051.4	FLOW METER 0-15 SLM PROPANE	06/23/2010
138185	STOPWATCH	12/08/2010

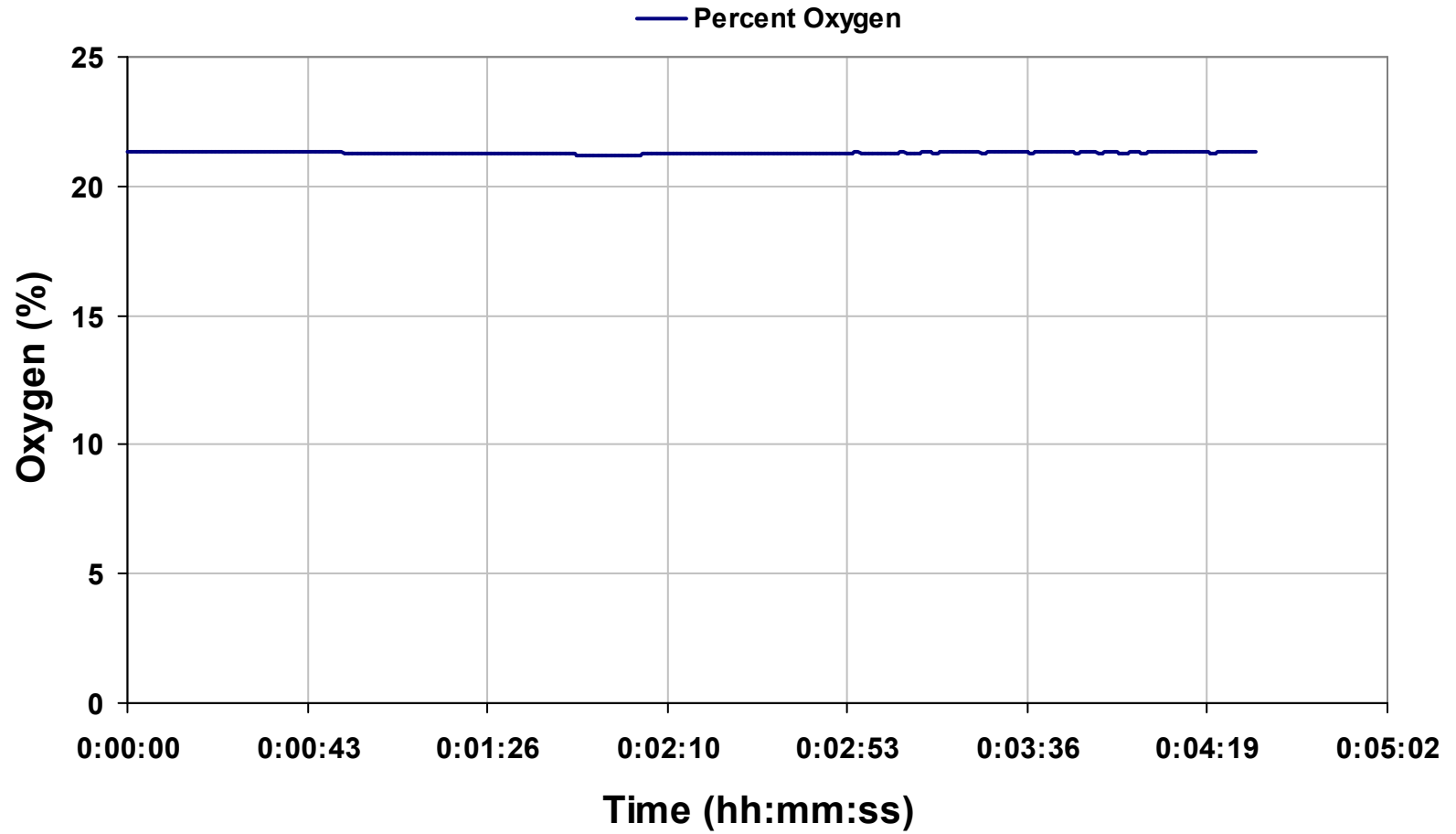
**CALIFORNIA TB-133 FIRE TEST SUMMATION**

	Criteria	Actual Value	Pass/Fail
8' Temp. Increase, (maximum), °F	≤ 200°F	105 °F	Pass
4' Temp. Increase, (maximum), °F	≤ 50°F	11 °F	Pass
4' Smoke Opacity, (maximum), %	≤ 75 %	2 %	Pass
CO concentration (maximum), ppm	N/A	231 ppm	N/A
Time CO is greater than 1,000 ppm (min:sec):	< 5:00	0:00	Pass
Pre-test weight of chair	N/A	12.30 lb	N/A
Weight loss at 10 minutes	≤ 3 lbs	0.10 lbs	Pass
Post-test weight of chair	N/A	12.10 lbs	N/A
Flame out (min:sec)	N/A	4:02	N/A
Max. Rate of Heat Release (kW)	≤ 80 kW	26 kW	Pass
Total Heat Energy Release in 1 <sup>st</sup> 10 mins. (MJ)	≤ 25 MJ	1.7 MJ	Pass

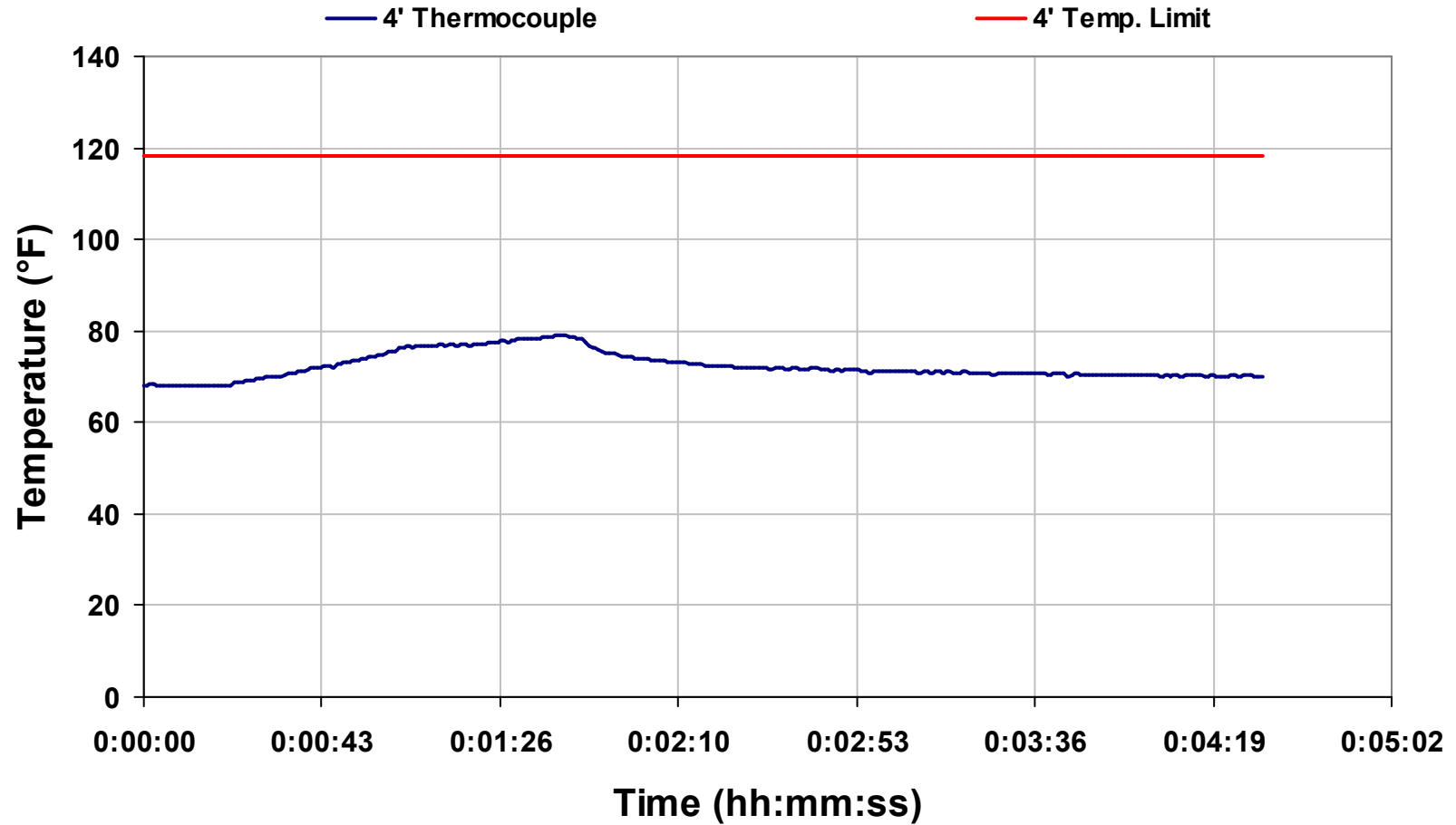
# Rate of Heat Release



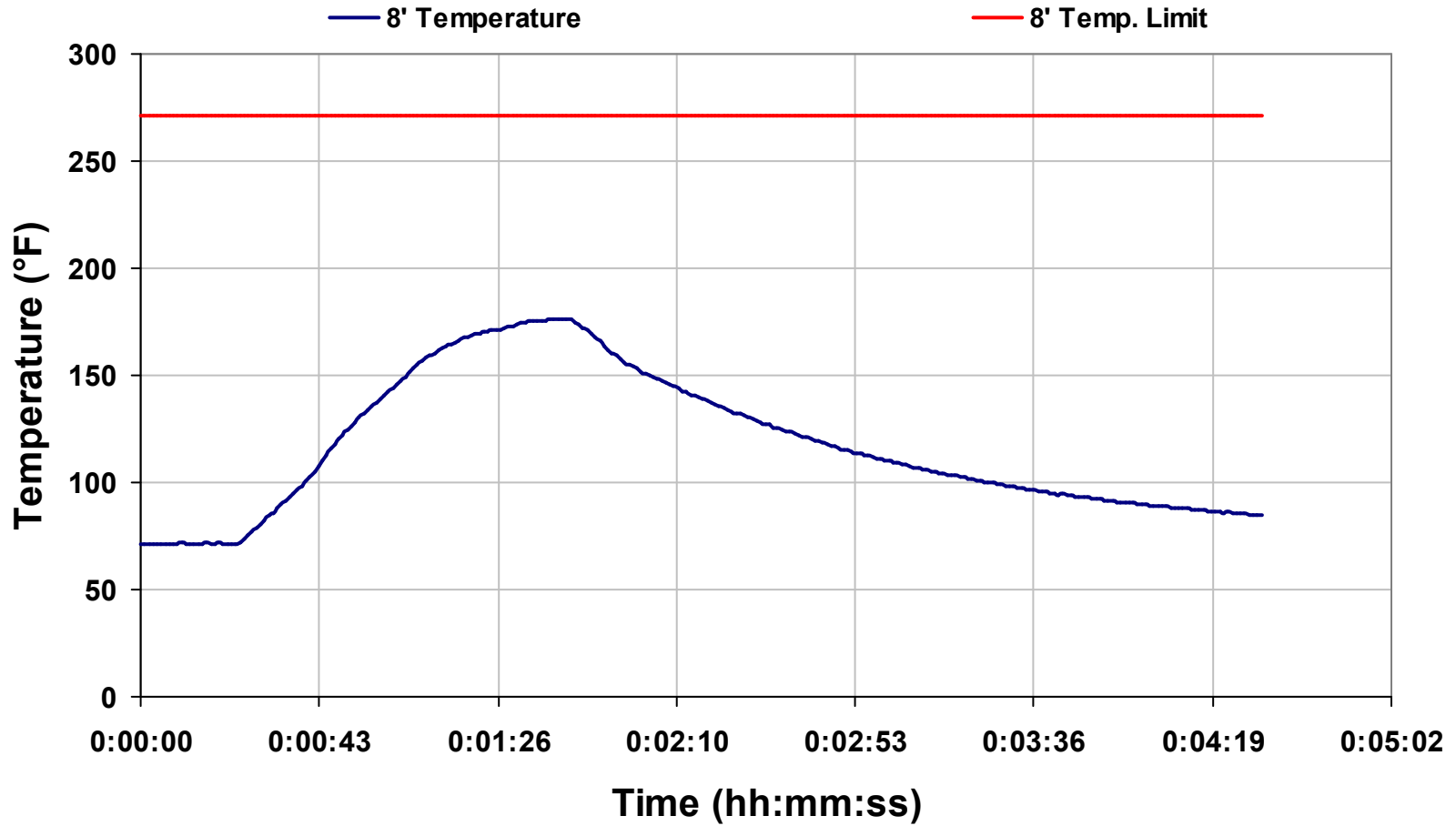
# Percent Oxygen



## 4' Thermocouple Temperature

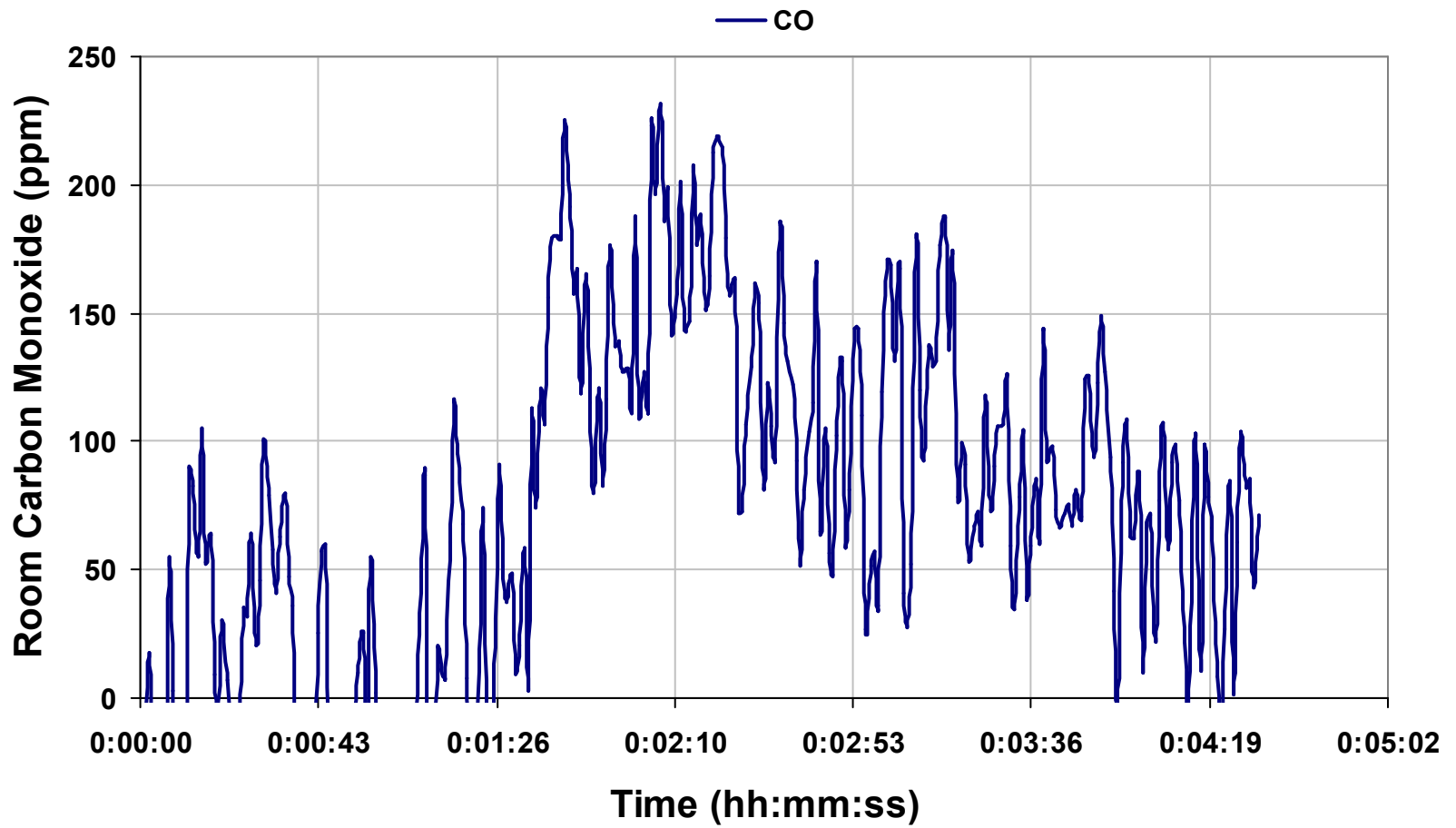


## 8' Thermocouple Temperature

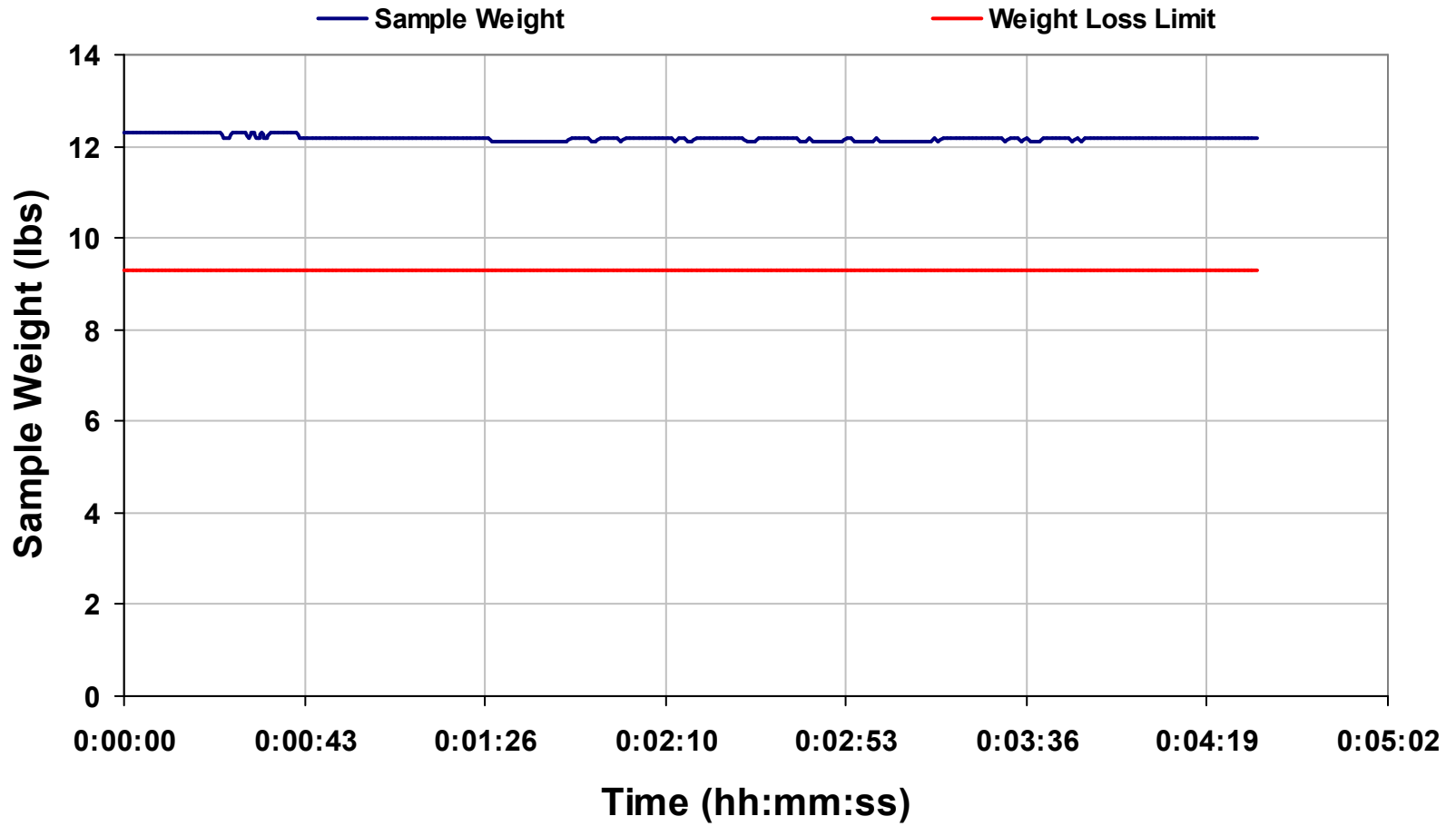




# Room Carbon Monoxide



### Sample Weight (scale reading)



# Opacity

