

EMECO INDUSTRIES, INC. TEST REPORT

SCOPE OF WORK

CALIFORNIA TB-133 – FLAMMABILITY TEST PROCEDURE FOR SEATING FURNITURE FOR USE IN PUBLIC OCCUPANCIES

Navy Chair (Upholstered Seat Pad)

REPORT NUMBER

103422233GRR-001

ISSUE DATE

23-Mar-2018

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REPORT FOR EMECO INDUSTRIES, INC.

Report No.: 103422233GRR-001

Date: 23-Mar-2018

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SECTION 1

CLIENT INFORMATION

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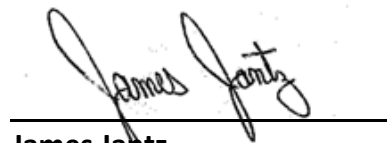
Hanover, PA 17331-4706

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Eric Frees
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Project Reviewer

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SECTION 2

SUMMARY AND CONCLUSION

Date Received: 14-Mar-2018
 Dates Tested: 16-Mar-2018

DESCRIPTION OF SAMPLES (PER EMECO INDUSTRIES, INC.)

Product: Navy Chair (Upholstered Seat Pad)
 Model Number: N/A
 Fabric Type: N/A
 Inter-liner/Blocking Layer: None
 Fill Description: N/A
 Condition of Samples: Production

WORK REQUESTED/APPLICABLE DOCUMENTS

CALIFORNIA TB-133 – FLAMMABILITY TEST PROCEDURE FOR SEATING FURNITURE FOR USE IN PUBLIC OCCUPANCIES
 Intertek quote Qu-00862398

CONCLUSION

TEST	RESULTS
CALIFORNIA TB-133 – FLAMMABILITY TEST PROCEDURE FOR SEATING FURNITURE FOR USE IN PUBLIC OCCUPANCIES	CONFORMING

SAMPLE DISPOSITION

Sample tested and destroyed.

TEST EQUIPMENT:

ASSET NUMBER	EQUIPMENT	CALIBRATION DATE	CALIBRATION DUE
138051.26	CARBON MONOXIDE / DIOXIDE ANALYZER	VBU	VBU
138051.22	OXYGEN ANALYZER	VBU	VBU
138245	SCALE	10/12/2017	10/12/2018
138051.33	FLOW METER 0-14 SLM PROPANE	12/12/2017	12/12/2018
138181	DPI DIFFERENTIAL PRESSURE TRANSDUCER	10/12/2017	10/12/2018
138327	GRADUATED RULE 36"	10/11/2017	10/11/2018
138500.03	STOPWATCH	11/14/2017	11/14/2018
138406	TEMP/HUMIDITY PROBE	10/03/2017	10/03/2018
138051.9	SMOKE DENSITY MONITOR 0-100%	VBU	VBU

SECTION 3

CALIFORNIA TB-133 – FLAMMABILITY TEST PROCEDURE FOR SEATING FURNITURE FOR USE IN PUBLIC OCCUPANCIES

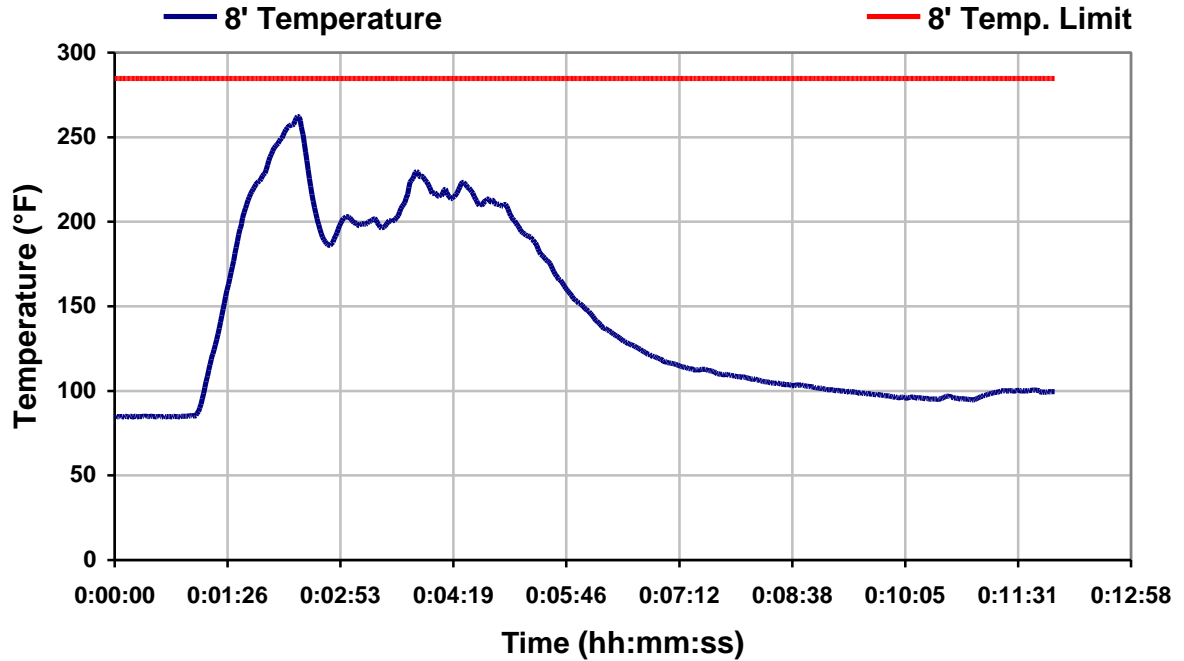
Date Received: 14-Mar-2018
 Date Tested: 16-Mar-2018
 Location Tested: Intertek Kentwood, MI
 Room Temperature (Start): 68°F
 Room Humidity (Start): 20%
 Minutes out of Conditioning: 5.0

PRODUCT: NAVY CHAIR (UPHOLSTERED SEAT PAD)

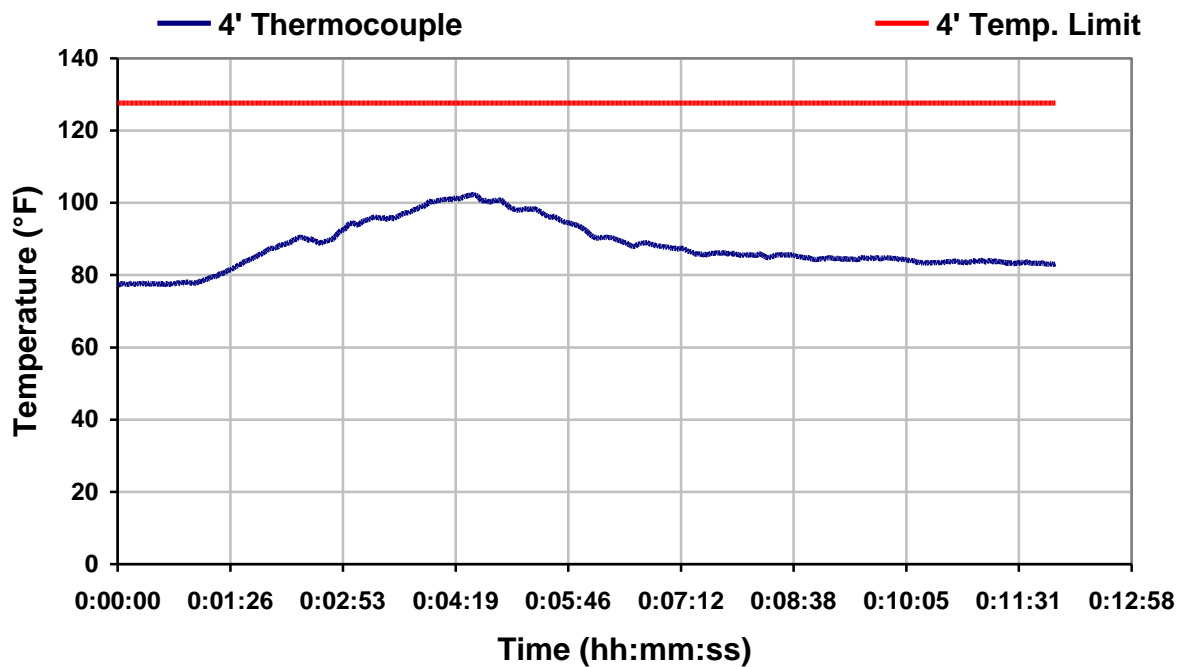
CRITERIA	LIMIT	VALUE	PASS/FAIL
Flame Out (min:sec)	N/A	12:04	N/A
8' Temp. Increase (Maximum), °F	≤ 200°F	177.5 °F	Pass
4' Temp. Increase (Maximum), °F	≤ 50°F	24.7 °F	Pass
4' Smoke Opacity (Maximum), %	≤ 75 %	16.5 %	Pass
CO Concentration (Maximum), ppm	N/A	358 ppm	N/A
Time CO Is Greater Than 1000ppm (min:sec)	< 5:00	0:00	Pass
Maximum Rate of Heat Release	≤ 80 kW	47 kW	Pass
Total Heat Energy in First 10 Min.	≤ 15 MJ	11.1 MJ	Pass
Pre-Test Weight	N/A	10.80 lbs	N/A
Weight Loss at 10 Minutes	≤ 3 lbs	0.70 lbs	Pass
Post-Test Weight	N/A	10.10 lbs	N/A

The submitted sample met the acceptance criteria of the test described above. Refer to the following pages for charts and photographs.

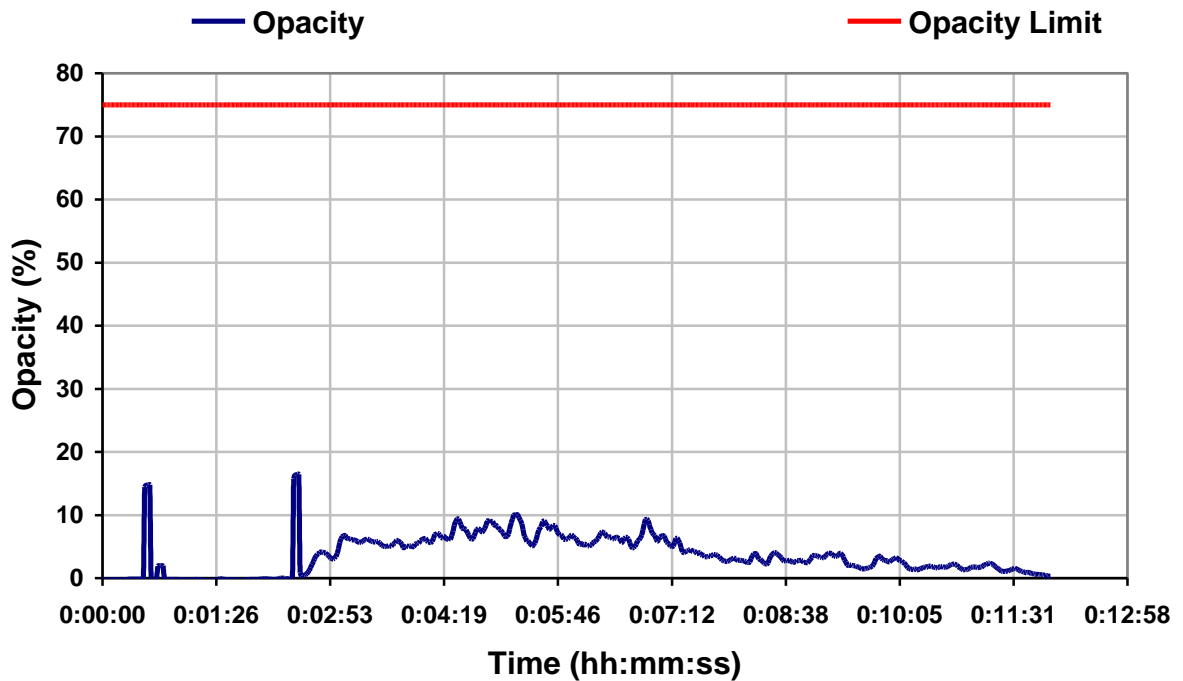
8' Thermocouple Temperature



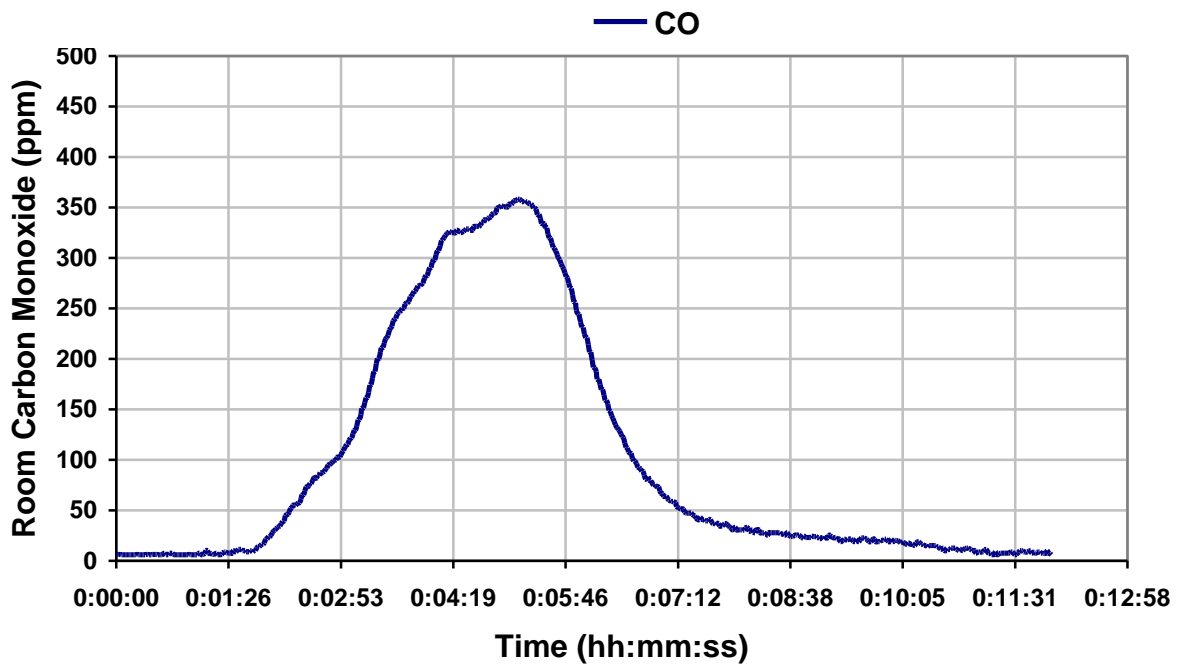
4' Thermocouple Temperature



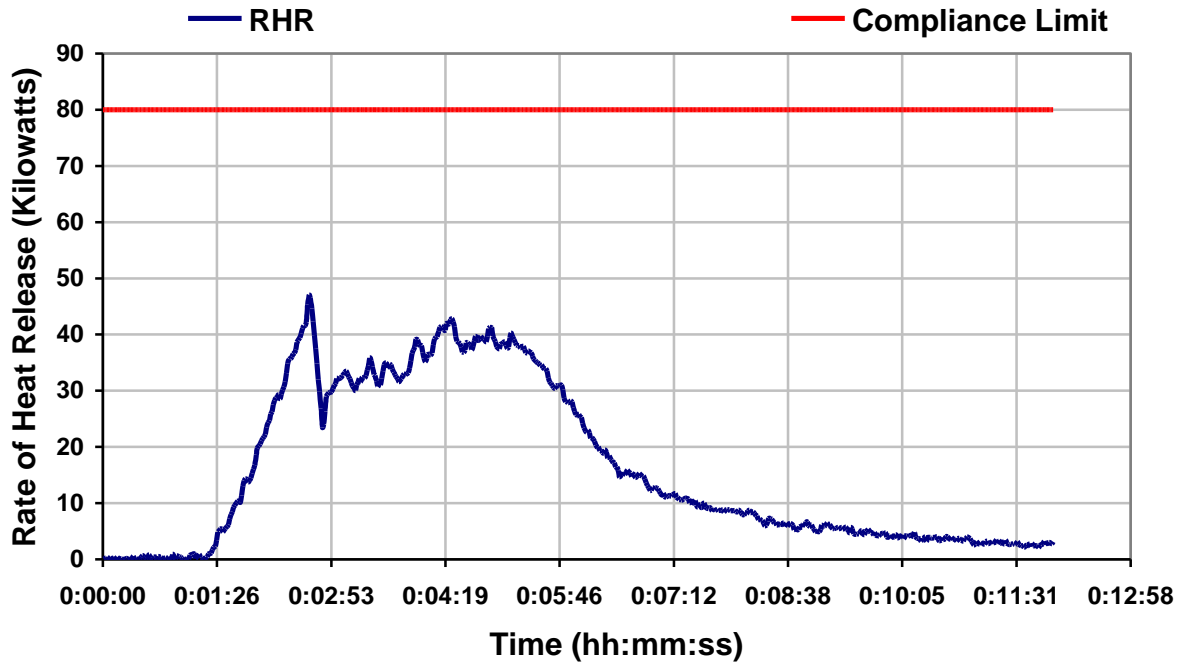
Opacity



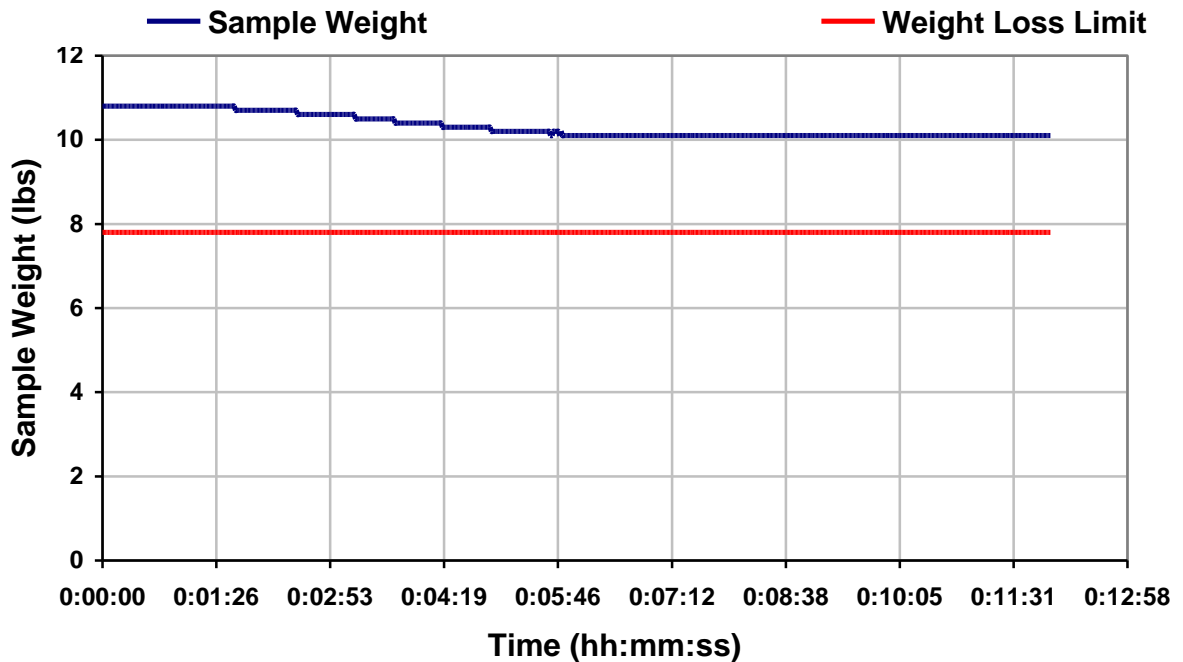
Room Carbon Monoxide



Rate of Heat Release



Sample Weight (scale reading)





NAVY CHAIR (UPHOLSTERED SEAT PAD) - Pre-Test Setup



NAVY CHAIR (UPHOLSTERED SEAT PAD) - Post-Test

SECTION 4
REVISIONS MADE TO TEST REPORT

DATE	REVISION DESCRIPTION	REVISED BY	REVISED BY
23-Mar-2018	Initial release.	Eric Frees	