

CLIENT: PACIFIC SOUTH EAST, INC.

5990 Vista del la Luz
Woodland Hills, CA 91367
Irwin Hiuriono

Test Report No: RJ3025-1

Date: February 28, 2014

SAMPLE ID: The test samples are identified as Mahogany, 25 mm thick.

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on February 13, 2014.

TESTING PERIOD: February 25, 2014.

AUTHORIZATION: Testing authorized by Irwin Hiuriono.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-13a, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS:	<u>Flame Spread</u>	<u>Smoke Developed</u>
	35	80

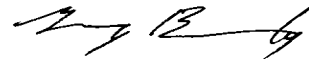
Detailed test results are presented in the subsequent pages of this report

Prepared By



Brian Ortega
Test Technician

**Signed for and on behalf of
QAI Laboratories, Inc.**



Greg Banasky
Senior Test Technician



PREPARATION AND CONDITIONING: The sample material was submitted in sufficient quantity to form a specimen, 24" wide by 24' long. The sample was supported during testing by 1/4" round metal rods placed at two foot intervals across the width of the test chamber.

CONDITIONING: The test specimen was conditioned to a constant weight at a temperature of 73.4 ± 5° F (23 ± 2.8° C) and a relative humidity of 50 ± 5 %.

CEMENT BOARD PLACEMENT: The 1/4" cement boards were placed between the test specimen and the chamber lid.

E 84 TEST DATA SHEET:

CLIENT: PACIFIC SOUTH EAST, INC. **DATE:** 02/25/14

SAMPLE: Mahogany, 25 mm thick

FLAME SPREAD:

IGNITION: 1 minute, 36 seconds.

FLAME FRONT: 13 feet maximum

TIME TO MAXIMUM SPREAD: 9 minutes, 35 seconds.

TEST DURATION: 10 minutes

CALCULATION: 64.06 x 0.515 = 32.99

SUMMARY: FLAME SPREAD: 35 **SMOKE DEVELOPED:** 85

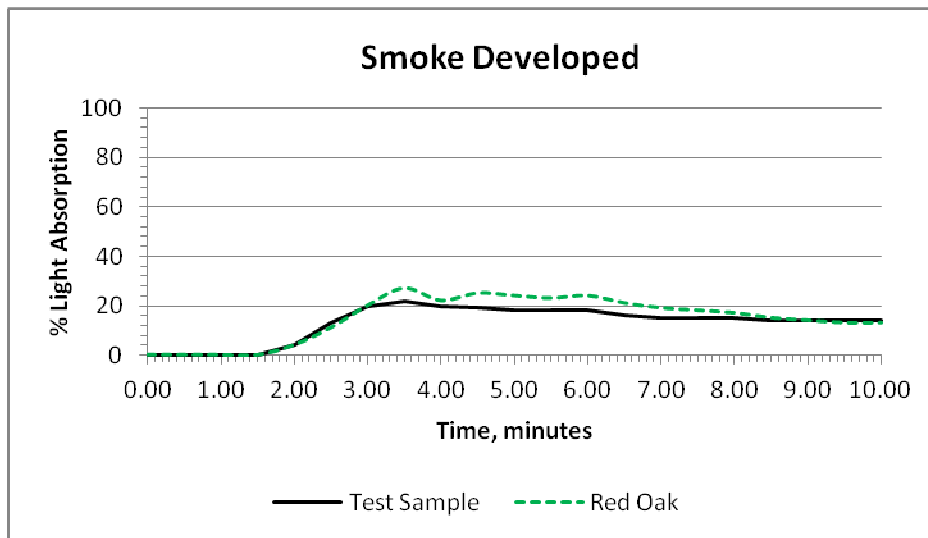
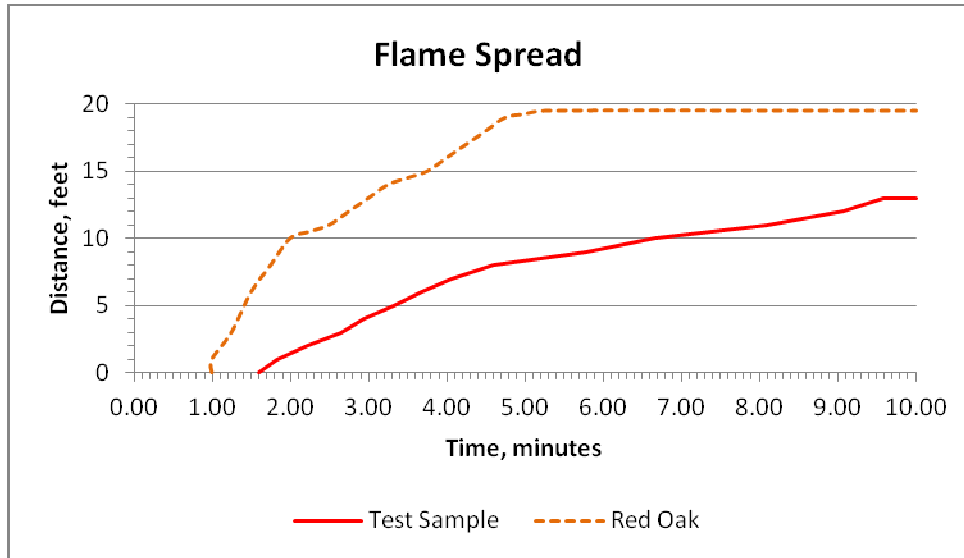
SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

BUILDING CODES CITED:

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code".
2. International Building Code, Chapter 8, Interior Finishes, Section 803.



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