



# WESTERN ELECTRO - ACOUSTIC LABORATORY

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## SOUND ABSORPTION TEST REPORT NO. AB07-166

French Pleat Nova Suede Curtain  
("G-125" mounting)

CLIENT: **Complete Soundproofing**  
3750 Riviera Dr. #3  
San Diego, CA 92109

Page 1 of 3  
8 August 2007

TEST DATE: 7 August 2007

### INTRODUCTION

The methods and procedures used for this test conform to the provisions and requirements of ASTM Procedure C 423-02a, *Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method*. Copies of the test standard are available at [www.astm.org](http://www.astm.org). The test chamber volume is 275 cubic meters. Western Electro-Acoustic Laboratory is accredited by the United States Department of Commerce, National Institute of Standards and Technology under the National Voluntary Accreditation Program (NVLAP) Lab Code 100256-0 for this test procedure. This test report relates only to the item(s) tested. Any advertising that utilizes this test report or test data must not imply product certification or endorsement by WEAL, NVLAP, NIST or the U.S. Government.

### DESCRIPTION OF TEST SPECIMEN

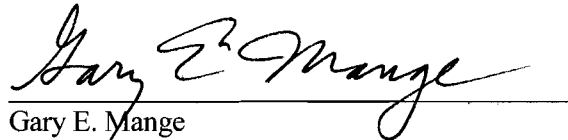
The test specimen was a Complete Soundproofing acoustic curtain. The curtain was hung on a traverse rod which extended 125 mm (5 inches) out from the test chamber wall. According to the client the curtain was:

French Pleat 2.5 Fullness Nova Suede Sky with nocturne B/O

The net dimensions of the hanging curtain were 56 inches (1.42 m) wide by 57 inches (1.45 m) high. The overall weight of the specimen was 7 lbs. (3.18 kg). The area used to calculate the absorption coefficients was the projected area of the hanging pleated curtain.

Test results are presented on the following page.

Respectfully submitted,  
Western Electro-Acoustic Laboratory



Gary E. Mange  
Laboratory Manager

# SOUND ABSORPTION TEST REPORT NO. AB07-166

Page 2 of 3  
8 August 2007

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Mounting per ASTM E 795-00: Type G-125

Area tested: 22.17 ft<sup>2</sup> (2.06 m<sup>2</sup>)

Temperature: 77.7° F

Humidity: 57%

## TEST RESULTS

### 1/3 Octave Band Absorption Data

| Frequency<br>in Hz | Absorption<br>in Sabins | Absorption<br>Coefficients |
|--------------------|-------------------------|----------------------------|
| 100                | 1.1                     | 0.05                       |
| 125                | 0.0                     | 0.00                       |
| 160                | 2.6                     | 0.12                       |
| 200                | 0.0                     | 0.00                       |
| 250                | 6.6                     | 0.30                       |
| 315                | 8.8                     | 0.40                       |
| 400                | 8.5                     | 0.39                       |
| 500                | 9.5                     | 0.43                       |
| 630                | 10.2                    | 0.46                       |
| 800                | 12.1                    | 0.55                       |
| 1000               | 14.0                    | 0.63                       |
| 1250               | 15.4                    | 0.69                       |
| 1600               | 15.5                    | 0.70                       |
| 2000               | 16.6                    | 0.75                       |
| 2500               | 16.1                    | 0.73                       |
| 3150               | 16.1                    | 0.73                       |
| 4000               | 15.6                    | 0.70                       |
| 5000               | 16.1                    | 0.72                       |

**NRC 0.55**  
**SAA 0.50**

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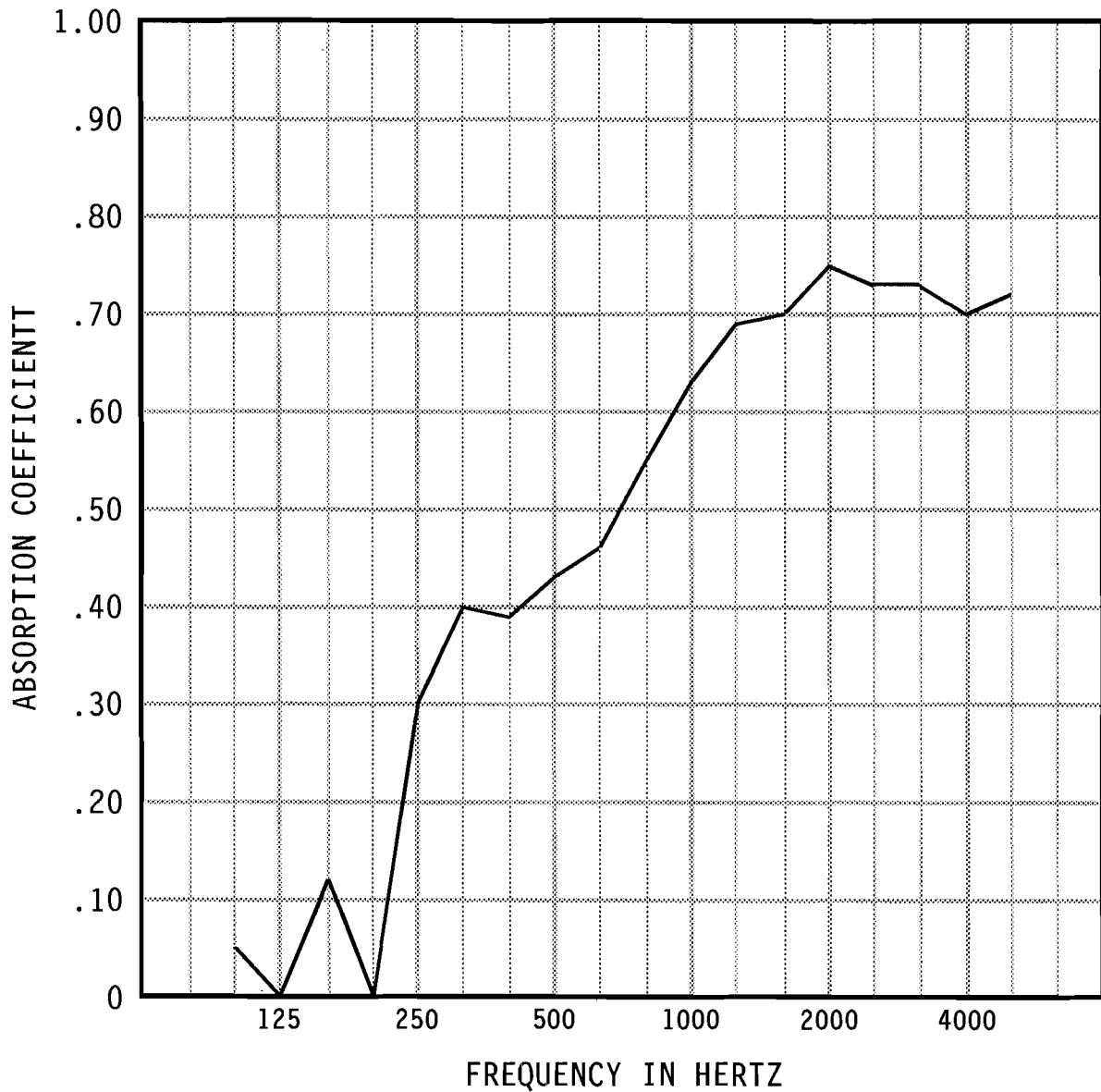


NVLAP LAB CODE 100256-0

# SOUND ABSORPTION TEST REPORT No. AB07-166

TEST DATE: 7 August 2007

Page 3 of 3  
8 August 2007



Specimen Area: 22.17 sq.ft.  
Temperature: 77.7 deg. F  
Relative Humidity: 57 %

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