



# WESTERN ELECTRO -ACOUSTIC LABORATORY

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TESTING • CALIBRATION • RESEARCH

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## SOUND ABSORPTION TEST REPORT NO. AB07-169

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

CLIENT: **All Noise Control**  
2731 Vista Parkway  
WPB, FL 33411

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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

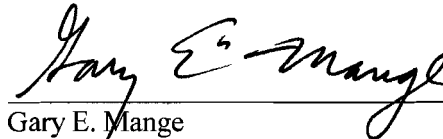
The test specimen was a ANC Soundproofing acoustic curtain. The curtain was hung on a traverse rod which extended 125 mm (5 inches) out from the test chamber wall. According to the client the curtain was:

French Pleat 2.5 Fullness Visa Velvet Grey with nocturne B/O

The net dimensions of the hanging curtain were 55 inches (1.40 m) wide by 56.5 inches (1.44 m) high. The overall weight of the specimen was 7lbs. (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

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

Area tested: 21.58 ft<sup>2</sup> (2.00 m<sup>2</sup>)

Temperature: 78.4° F

Humidity: 47.5%

## TEST RESULTS

### 1/3 Octave Band Absorption Data

Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	9.9	0.46
125	0.0	0.00
160	5.3	0.24
200	2.1	0.10
250	5.1	0.24
315	10.9	0.51
400	12.0	0.55
500	13.1	0.61
630	12.6	0.58
800	13.3	0.62
1000	16.9	0.79
1250	16.3	0.76
1600	15.5	0.72
2000	16.3	0.75
2500	16.7	0.78
3150	17.6	0.82
4000	17.4	0.81
5000	20.2	0.93

**NRC 0.60**  
**SAA 0.58**

Report must be distributed in its entirety except with written authorization from Western Electro-Acoustic Laboratory

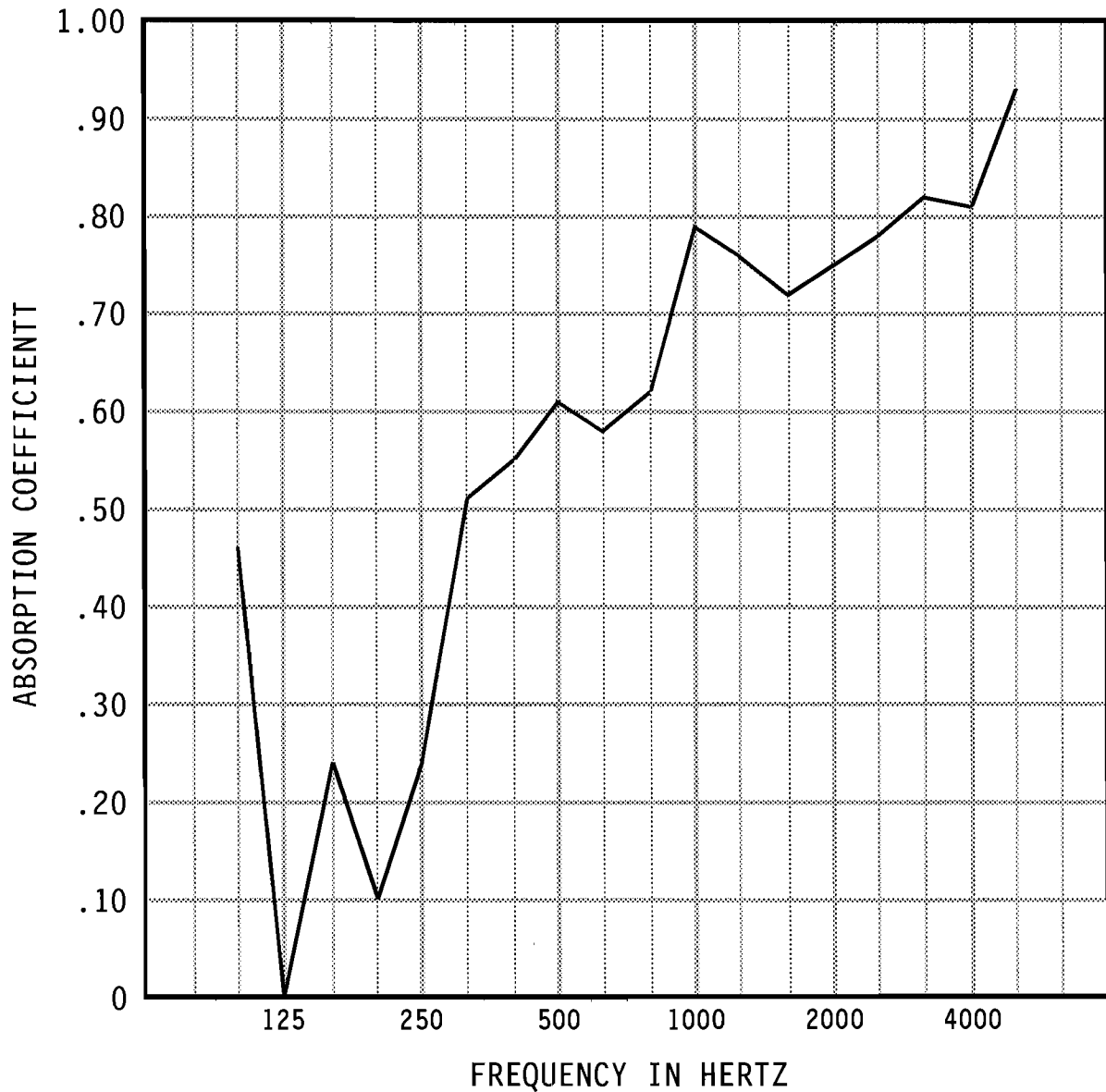


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Specimen Area: 21.58 sq.ft.  
Temperature: 78.4 deg. F  
Relative Humidity: 47.5 %

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