



## WESTERN ELECTRO - ACOUSTIC LABORATORY

A division of Veneklasen Associates, Inc.

TESTING

• CALIBRATION

• RESEARCH

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### SOUND ABSORPTION TEST REPORT NO. AB07-168

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 All Noise Control 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 Vara Velvet Coffee with nocturne B/0

The net dimensions of the hanging curtain were 54 inches (1.37 m) wide by 57 inches (1.45 m) high. The overall weight of the specimen was 10.5 lbs. (4.76 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: 2 1.38 ft<sup>2</sup> (1.99 m<sup>2</sup>)

Temperature: 78.0° F

Humidity: 49.5%

### TEST RESULTS

#### 1/3 Octave Band Absorption Data

Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	5.9	0.28
125	2.3	0.11
160	4.0	0.19
200	6.0	0.28
250	6.9	0.32
315	19.9	0.93
400	21.4	1.00
500	21.0	0.98
630	21.3	1.00
800	20.4	0.96
1000	20.1	0.94
1250	20.6	0.96
1600	20.1	0.94
2000	20.9	0.98
2500	21.9	1.02
3150	23.1	1.08
4000	22.7	1.06
5000	26.8	1.25

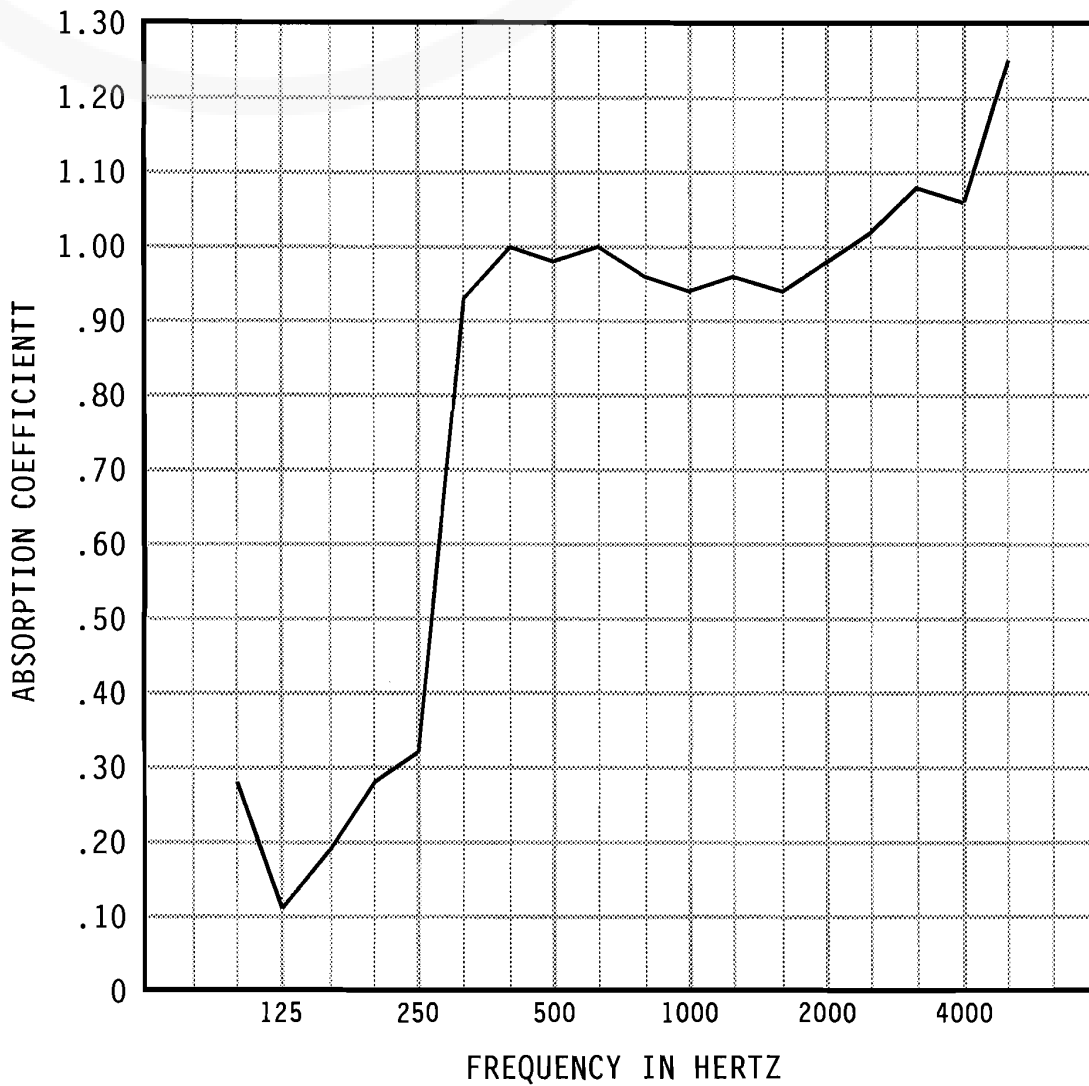
**NRC 0.80**  
**SAA 0.86**

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Specimen Area: 21.375 sq.ft.

Temperature: 78.0 deg. F

Relative Humidity: 49.5 %

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