



Riverbank Acoustical Laboratories (RAL)<sup>TM</sup> / An Alion Science Technical Center (RALVer 10.1)  
 Sound Absorption and Sound Absorption Coefficients  
 by the Reverberation Room Method ASTM C 423-09/NVLAP 08/P03

TEST NUMBER: A11-014

CLIENT: AcoustiMac  
 DESIGNATION: DMD-BT4000 Bass Traps  
 DIMENSIONS: 24" x 48" x 4.25"  
 NUMBER OF UNITS: 8  
 WEIGHT: 129 lbs      AREA WEIGHT: 16.12 lbs/ft<sup>2</sup>  
 MOUNTING: J      EDGE SEAL: Unsealed  
 SPECIMEN DETAILS: 8@ 24" x 48" x 4.25" each distributed in test chamber as follows three units each on the north and south walls and two on the west, all on a 45 degree angle spaced 6" apart.

TEST ROOM DETAILS: Room 0 Volume = 10311 ft<sup>3</sup> Area = 2864.3 ft<sup>2</sup>  
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1/3 OCTAVE CENTER FREQ. (Hz)	ABSORPTION PER UNIT	TOTAL ABSORPTION  (SABINS)
40	0.67	5.37
50	1.71	13.68
63	5.81	46.45
80	13.12	104.98
100	16.30	130.39
125	17.55	140.43
160	13.67	109.32
200	13.52	108.16
250	14.11	112.90
315	12.74	101.91
400	13.77	110.15
500	13.49	107.89
630	12.98	103.80
800	12.05	96.37
1000	10.88	87.03
1250	10.59	84.69
1600	10.08	80.64
2000	10.01	80.04
2500	10.02	80.13
3150	9.72	77.73
4000	9.48	75.82
5000	9.06	72.44
6300	8.57	68.59
8000	7.85	62.76
10000	7.60	60.83

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SOUND ABSORPTION REPORT  
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