

Zilenzio Dezibel Round

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:
13-07-M5
Date
2013-10-30

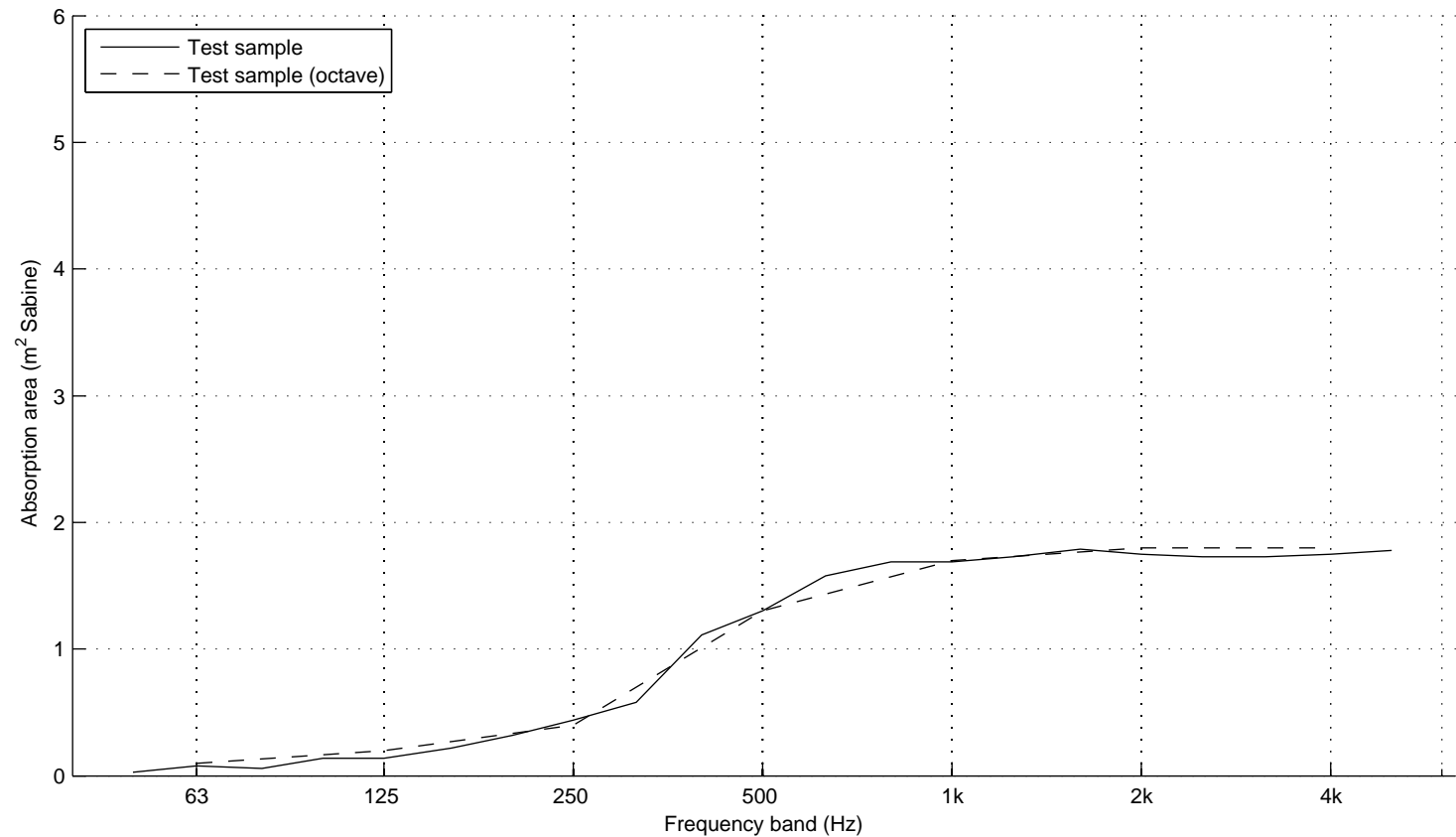
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.03	
63	0.08	0.1
80	0.06	
100	0.14	
125	0.14	0.2
160	0.22	
200	0.32	
250	0.44	0.4
315	0.58	
400	1.11	
500	1.30	1.3
630	1.58	
800	1.69	
1000	1.69	1.7
1250	1.73	
1600	1.79	
2000	1.75	1.8
2500	1.73	
3150	1.73	
4000	1.75	1.8
5000	1.78	

Client: Zilenzio
Manufacturer: Zilenzio
Product identification: Dezibel Round

Description of test specimen:

Reverberation room volume: 200 m³
Temperature: 15 °C (empty: 14 °C)
Air humidity: 76 % (empty: 76 %)
Air pressure: 101.3 kPa (empty: 101.3 kPa)
Number of specimens: 3

Measurement date: 2013-06-18
Measured by: Pontus Thorsson



Zilenzio Dezibel Square

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:
13-07-06
Date
2013-10-30

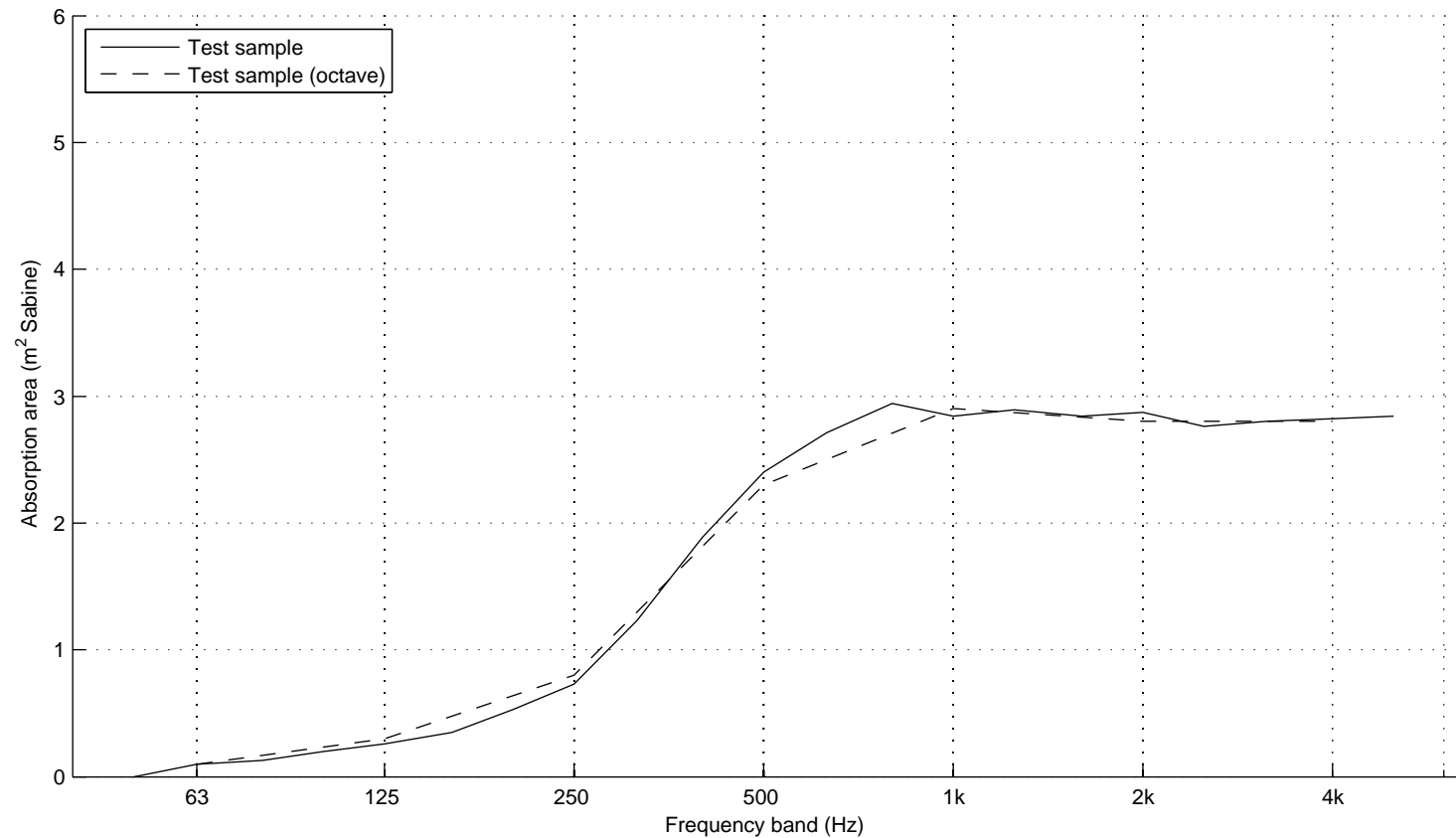
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.00	
63	0.10	0.1
80	0.13	
100	0.20	
125	0.26	0.3
160	0.35	
200	0.53	
250	0.73	0.8
315	1.23	
400	1.89	
500	2.40	2.3
630	2.71	
800	2.94	
1000	2.84	2.9
1250	2.89	
1600	2.84	
2000	2.87	2.8
2500	2.76	
3150	2.80	
4000	2.82	2.8
5000	2.84	

Client: Zilenzio
Manufacturer: Zilenzio
Product identification: Dezibel Square

Description of test specimen:

Reverberation room volume: 200 m³
Temperature: 15 °C (empty: 14 °C)
Air humidity: 76 % (empty: 76 %)
Air pressure: 101.3 kPa (empty: 101.3 kPa)
Number of specimens: 3

Measurement date: 2013-06-18
Measured by: Pontus Thorsson



Zilenzio Dezibel Tall

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:

13-07-M7

Date

2013-10-30

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.00	
63	0.11	0.0
80	0.03	
100	0.15	
125	0.13	0.2
160	0.24	
200	0.35	
250	0.49	0.5
315	0.80	
400	1.18	
500	1.50	1.6
630	2.02	
800	2.11	
1000	2.07	2.1
1250	2.07	
1600	1.97	
2000	2.01	2.0
2500	1.97	
3150	1.95	
4000	2.03	2.0
5000	2.08	

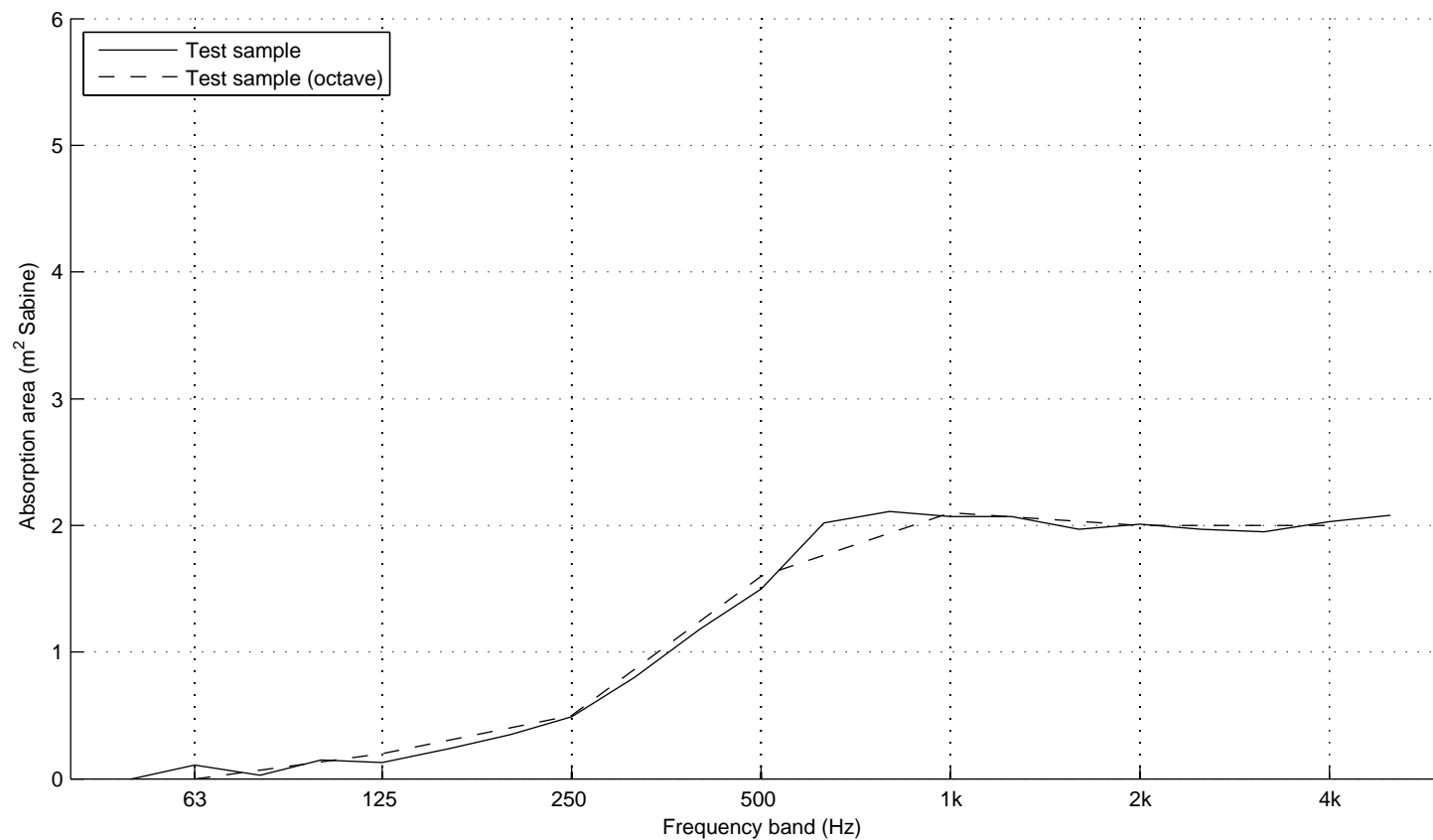
Client: Zilenzio
Manufacturer: Zilenzio
Product identification: Dezibel Tall

Description of test specimen:

Reverberation room volume: 200 m³
Temperature: 15 °C (empty: 14 °C)
Air humidity: 76 % (empty: 76 %)
Air pressure: 101.3 kPa (empty: 101.3 kPa)
Number of specimens: 3

Measurement date: 2013-06-18

Measured by: Pontus Thorsson



Zilenzio Dezibel Wide

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:

13-07-M9

Date

2013-10-30

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.00	
63	0.12	0.0
80	0.00	
100	0.26	
125	0.36	0.4
160	0.65	
200	1.04	
250	1.14	1.4
315	1.93	
400	2.99	
500	3.76	3.8
630	4.68	
800	4.91	
1000	4.68	4.9
1250	5.00	
1600	5.14	
2000	5.20	5.1
2500	4.89	
3150	5.06	
4000	5.16	5.2
5000	5.30	

Client: Zilenzio
Manufacturer: Zilenzio
Product identification: Dezibel Wide (1 pc)

Description of test specimen:

Reverberation room volume: 200 m³
Temperature: 15 °C (empty: 14 °C)
Air humidity: 76 % (empty: 76 %)
Air pressure: 101.3 kPa (empty: 101.3 kPa)
Number of specimens: 1

Measurement date: 2013-06-18

Measured by: Pontus Thorsson

