

## Sound off Cirkel 800 diameter

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:  
**16-239-M18**  
Date  
**2017-01-16**

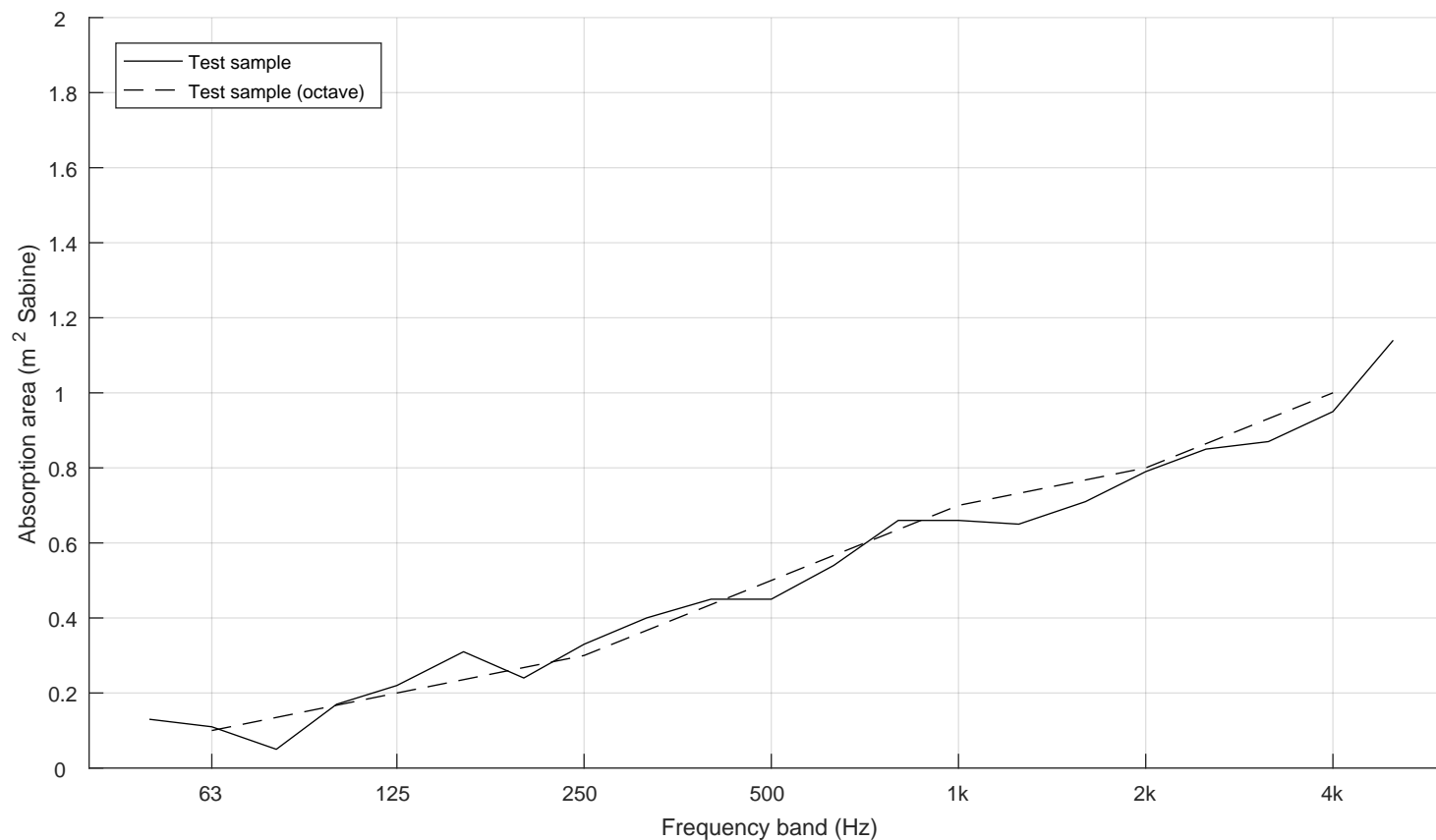
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.13	
63	0.11	0.1
80	0.05	
100	0.17	
125	0.22	0.2
160	0.31	
200	0.24	
250	0.33	0.3
315	0.40	
400	0.45	
500	0.45	0.5
630	0.54	
800	0.66	
1000	0.66	0.7
1250	0.65	
1600	0.71	
2000	0.79	0.8
2500	0.85	
3150	0.87	
4000	0.95	1.0
5000	1.14	

Client: Akustikmiljö  
 Manufacturer: Akustikmiljö  
 Product identification: Sound off Cirkel 800

Description of test specimen: Free hanging absorber, circular diameter 800 mm. The graph scaling deviates from ISO 354 to increase readability.

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 16.6 °C (empty: 15.4 °C)  
 Air humidity: 39 % (empty: 42 %)  
 Air pressure: 100.1 kPa (empty: 100.1 kPa)  
 Number of specimens: 4

Measurement date: 2016-12-14  
 Measured by: Johan Jernstedt



$N_{10} = 20$