

Acoustical Calibrator Test Report No.:30016

Manufacturer: Norsonic
Type: 1251
Serial no: 30878

Customer: Scantek, Inc.
Department:
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Order No:
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Measurement Results:

	Level: (dB)	P. Stab : (dB)	Frequency: (Hz)	F. Stab : (%)	Distortion: (% TD)
1:	113.99	0.06	1000.43	0.00	0.51
2:	113.99	0.06	1000.43	0.00	0.51
3:	113.99	0.06			
Result (Average):	113.99	0.06	1000.43	0.00	0.51
Expanded Uncertainty:	0.10	0.02	1.00	0.01	0.10
Degree of Freedom:	>100	>100	>100	>100	>100
Coverage Factor:	2.00	2.00	2.00	2.00	2.00

The stated level is relative to 20µPa.

The following correction factors have been applied during the measurement:
Pressure:0.0005 dB/kPa Temperature: None Relative humidity: None
Reference microphone: 4134-906763. Volume correction: 0.000 dB
Records:Z:\Calibration Lab\Cal 2013\NOR1251_30878_M1.nmf

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA publication EA-4/02.

Environmental conditions:
Pressure: 100.640 ± 0.001 kPa Temperature: 24.3 ± 1.0 °C Relative humidity: 40.4 ± 2.0 %RH

Date of calibration: 11/8/2013
Date of issue: 2/7/2014

Supervisor : Valentin Buzduga
Measurements performed by: