

# Manufacturer Calibration Certificate

---

The following instrument has been tested and calibrated to the manufacturer specifications.  
The calibration is traceable in accordance with ISO/IEC 17025 covering all instrument functions.

- Device Type: **NTi Audio Talkbox**
- Serial Number: **TN 914**
  
- Date of Calibration: **05 December 2015**
- Certificate Number: **42343-TNN914**
  
- Results: **PASSED**  
(for detailed report see next page)

---

Tested by: M.Frick

Signature:

Stamp:



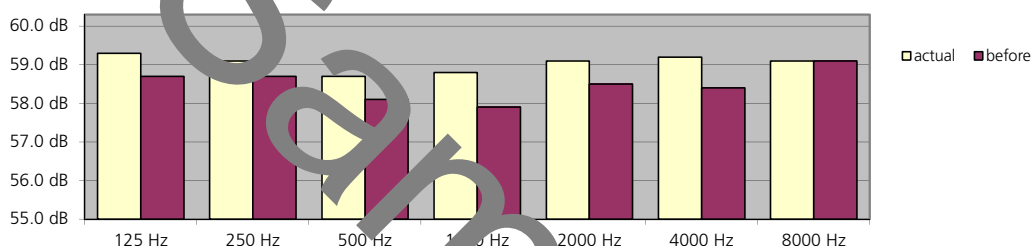
**NTi Audio AG**  
Im alten Riet 102  
LI 9494 Schaan  
[www.nti-audio.com](http://www.nti-audio.com)

Calibration of: NTi Audio Talkbox  
 Serial Number: TNN914  
 Date: 05 December 2015

• Measurement Data on Receipt: **out of tolerance**

• Detailed Calibration Test Results:

System calibration	before	actual	calibration uncertainty <sup>1</sup>
Absolute SPL @ 0.5 m distance	65.4 dB	<b>66.0 dB</b>	0.25 dB
Frequency Response	± 0.6 dB	<b>± 0.3 dB</b>	
125 Hz	58.7 dB	59.3 dB	
250 Hz	58.7 dB	59.1 dB	
500 Hz	58.1 dB	58.7 dB	
1000 Hz	57.9 dB	58.8 dB	
2000 Hz	58.5 dB	59.1 dB	
4000 Hz	58.4 dB	59.2 dB	
8000 Hz	59.1 dB	59.1 dB	



System verification	result
Absolute SPL accuracy < ± 0.5 dB	<b>passed</b>
Frequency Response < ± 0.5 dB	<b>passed</b>

• Test Conditions: Temperature: 24 °C  
 Relative Humidity: 30 %

• Calibration Equipment Used:

- NTi Audio Microphone M2010, S/No. 1372  
 Last Calibration: 26.04.2015, Next Calibration: 26.04.2016  
 Calibrated by NTi Audio meeting product specifications
- NTi Audio XL2, S/No. A2A-02168-C2  
 Last Calibration: 04.11.2015, Next Calibration: 04.11.2016  
 Calibrated by NTi Audio meeting product specifications

<sup>1</sup> The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with the regulations of the GUM.