

## Certificate of Calibration

Certificate Number: 849003

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*Customer Details:*

Customer Name: AINSA

Customer Number: 90497

*Instrument Details:*

Manufacturer: Extech Instruments Corporation

Date Re: April 3, 2018

Description: Sound Level Meter

Calibration Date: May 25, 2018

Model Number: 40798

Calibration Due: May 25, 2019

Serial Number: G034437

Interval: 12 Months

ID Number: N/A

As Received: In Tolerance

*Environmental Details:*

Temperature: 21°C ± 5°C

Relative Humidity: 40% ± 15%

*Procedures Used:*

Checking Procedure: 407980 dated December 1999 - QC

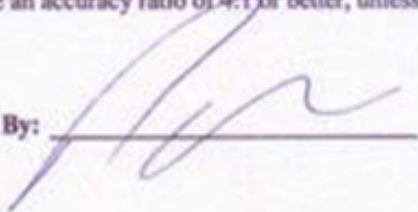
Calibration Procedure: 407980-C dated April 2004.

### Certification

Extech Instruments certifies that the instrument listed above meets the specifications of the manufacturer at the completion of its calibration. Standards used are traceable to the National Institute of Standards and Technology (NIST), or have been derived from accepted values, natural physical constants, or through the use of the ratio method of self-calibration techniques. Methods used are in accordance with ISO10012-1 and ANSI/NCSS Z540-1-1994. This certificate is not to be reproduced other than in full, except with prior written approval of Extech Instruments Corporation. All calibration standards used have an accuracy ratio of 4:1 or better, unless otherwise stated.

*Technician's Notes:*

Technician: Rachel Benichasa

Approved By: 

**Certificate of Conformity and  
Calibration**

**Instrument Type:-** Microdust Pro (Standard Range: 0-2.5, 0-25, 0-250, 0-2500mg/m<sup>3</sup>)  
**Serial Number** 1079216

**Calibration Principle:-**

Calibration is performed using ISO 12103 Pt1 A2 Fine test dust (Natural ground mineral dust, predominantly silica, Arizona Road Dust equivalent, Particle size range 0.1 to 80 µm).

A Wright Dust feeder system is used to inject and disperse calibration dust within a wind tunnel system. Particulate mass concentration is established using isokinetic sampling and gravimetric methods.

**Test Conditions:-**

18 °C  
54 %RH

**Test Engineer:-** Robert Taylor  
**Date of Issue:-** October 11, 2018

**Equipment:-**

**Microbalance:-**  
**Air Velocity Probe:-**  
**Flow Meter:-**

Cahn C-33 Sn 75611  
DA40 Vane Anemo. Sn 10080  
BGI T1Cal EQ10651

**Calibration Results Summary:-**

Applied Concentration	Indication	Error	
5.14 mg/m <sup>3</sup>	5.17	1%	Target Error <18%

**Declaration of conformity:-**

This test certificate confirms that the instrument specified above has been successfully tested to comply with the manufacturer's published specifications. Tests are performed using equipment traceable to national standards in accordance with Casella's ISO 9001:2000 quality procedures. This product is certified as being compliant to the requirements of the CE Directive.

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