

# SIT

**SERVIZIO DI TARATURA IN ITALIA**  
*Italian Calibration Service*



## CENTRO DI TARATURA 163

*Calibration Centre*

**Spectra Srl**  
Laboratorio Certificazioni

*Tel.: 039 613321*

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*Via Belvedere, 42  
Arcore (MI) - Italia*

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## **ESTRATTO DEL CERTIFICATO DI TARATURA N. 2845**

*Extract of Calibration Certificate No. 2845*

Data di Emissione **2007/10/03**  
*Date of Issue*  
Destinatario **Ambiente s.c.**  
*Addressee*

**Via Frassina 21  
Carrara**

### Condizioni ambientali durante la misura

*Environmental parameters during measurements*

Pressione **998,3 hPa**  
Temperatura **22,4 °C**  
Umidità Relativa **53,6 %**

### Strumenti sottoposti a verifica

*Instrumentation under test*

<b>Strumento</b>	<b>Costruttore</b>	<b>Modello</b>	<b>N°Serie/Matricola</b>
Fonometro	LARSON DAVIS	L&D 824 SLM	2788
Microfono	LARSON DAVIS	L&D 2541	7658
Preamplificatore Mic		L&D PRM902	2782

Il Responsabile del Centro  
*Head of the Centre*

Caglio Emilio



# Certificate of Calibration and Conformance

Certificate Number 2007-97862

Instrument Model 824, Serial Number 3760, was calibrated on 19SEP2007. The instrument meets factory specifications per Procedure D0001.8046, IEC 61672-1:2002 Class 1; IEC 60651-2001, 60804-2000 and ANSI S1.4-1983 Type 1 1/3, 1/1 Oct. Filters; S1.11-1986 Type 1C; IEC61260-am1-2001 Class 1.

**New Instrument**

**Date Calibrated: 19SEP2007**

## Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	2900 / 2239	0276 / 0105	12 Months	02NOV2007	2006-85780

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

## Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 27 %

## Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

This calibration complies with the requirements of ISO 17025 and ANSI Z540. The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Tested with PRM902 S/N 4044

Signed: Amber Cardwell  
Technician: Amber Cardwell

# Certificate of Calibration and Conformance

Certificate Number 2007-96874

Microphone Model 2541, Serial Number 8403, was calibrated on 22AUG2007. The microphone meets current factory specifications per Test Procedure D0001.8167.

**New Instrument**

**Date Calibrated: 22AUG2007**

## Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	2559	3034LF	12 Months	30AUG2007	2006-83723
Larson Davis	PRM902	0529	12 Months	06SEP2007	2006-83918
Larson Davis	PRM902	0528	12 Months	06SEP2007	2006-83919
Larson Davis	MTS1000 / 2201	1000 / 0100	12 Months	11SEP2007	2006-0911-1
Larson Davis	PRM915	0102	12 Months	13NOV2007	2006-86003
Larson Davis	PRM902	0206	12 Months	13NOV2007	2006-85999
Larson Davis	PRM916	0102	12 Months	13NOV2007	2006-86001
Hewlett Packard	34401A	3146A62099	12 Months	13NOV2007	294807
Larson Davis	2559	2506	12 Months	30JAN2008	14714-1
Larson Davis	2900	0575	12 Months	25JUN2008	2007-94768
Larson Davis	CAL250	42630	12 Months	30JUL2008	2007-96065

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

## Calibration Environmental Conditions

Environmental test conditions as printed on microphone calibration chart.

### Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

This calibration complies with the requirements of ISO 17025 and ANSI Z540. The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Signed:   
Technician: Abraham Ortega

**CENTRO DI TARATURA 163**

Calibration Centre

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Laboratorio CertificazioniVia Belvedere, 42  
Arcore (MI) - ItaliaTel.: 039 613321  
Fax: 039 6133235spectra@spectra.it  
www.Spectra.it**ESTRATTO DEL CERTIFICATO DI TARATURA N. 2616**

Extract of Calibration Certificate No. 2616

Data di Emissione **2007/06/25**

Date of Issue

Destinatario **Ambiente s.c.**

Addressee

**Via Frassina 21  
Carrara****Condizioni ambientali durante la misura**

Environmental parameters during measurements

Pressione **996,1 hPa**Temperatura **23,1 °C**Umidità Relativa **47,9 %****Strumenti sottoposti a verifica**

Instrumentation under test

Strumento	Costruttore	Modello	N°Serie/Matricola
Calibratore	LARSON DAVIS	L&D CAL 200	4481

Il Responsabile del Centro  
Head of the Centre

Caglio Emilio

