

Excalibur Engineering

9201 Irvine Blvd
Irvine, CA 92618
Phone : (949) 454-6603
Fax : (949) 454-6642

Certificate Of Calibration

Customer SILENCER RESEARCH
Report # 46615-3
Date Received FRIDAY, MARCH 21, 2008
Manufacturer BRUEL & KJAER
Model # 2209
Description SOUND LEVEL METER

Dept. N/A
Bar Code #
P.O. # CREDIT CARD
Serial # 670500
Asset # 54653

Calibration Information

Date Calibrated 3/28/2008 Calibration Due Date 3/28/2009 Calibration Interval 12
Maintenance Procedure 4226
Temperature 21 ° C Humidity 41 % Calibration Performed By 7
Accuracy ANSI Type 1

Condition Received

See Remarks
Remarks No batteries.

Condition Returned

Returned In Tolerance
Remarks Installed batteries.

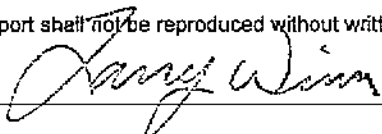
Standards Employed

ID #	Manufacturer	Model #	Description	Calibration Expires
878	BRUEL & KJAER	4226	SLM CALIBRATOR	12/8/2008
713	FLUKE	8920A	20 MHZ TRUE RMS VOLTMETER	7/10/2008

Excalibur Engineering, Inc. certifies that the instrument specified above meets the manufacturer's specifications and has been calibrated using Standards and Instruments also listed above whose accuracies are traceable to the National Institute of Standards and Technology(NIST), and the calibration systems and records are in compliance to ISO-10012 and ANSI Z540-1-1994.

This certificate/report shall not be reproduced without written approval of Excalibur Engineering, Inc.

Approved By



MAR 28 2008

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Certificate Of Calibration

Customer	SILENCER RESEARCH	Dept.	N/A
Report #	46615-6	Bar Code #	
Date Received	FRIDAY, MARCH 21, 2008	P.O. #	CREDIT CARD
Manufacturer	BRUEL & KJAER	Serial #	176004
Model #	4136	Asset #	21592
Description	MICROPHONE		

Calibration Information

Date Calibrated	3/28/2008	Calibration Due Date	3/28/2009	Calibration Interval	12
Maintenance Procedure	1371				
Temperature	21 ° C	Humidity	34 %	Calibration Performed By	7
Accuracy	±0.12 dB				

Condition Received

Received In Tolerance
Remarks Sensitivity -58.65dB ne1V/Pa

Condition Returned

Returned In Tolerance
Remarks

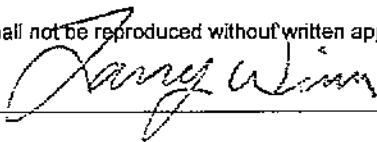
Standards Employed

ID #	Manufacturer	Model #	Description	Calibration Expires
610	BRUEL & KJAER	4228	PISTONPHONE	1/30/2010
043	BRUEL & KJAER	4190	1/2" CONDENSER MICROPHONE	5/8/2008
051	BRUEL & KJAER	2639	MICROPHONE PREAMPLIFIER	2/8/2009
949	BRUEL & KJAER	2636	MEASURING AMPLIFIER	1/31/2009
713	FLUKE	8920A	20 MHZ TRUE RMS VOLTMETER	7/10/2008
941	BRUEL & KJAER	1049	SINE & NOISE GENERATOR	11/16/2008
923	BRUEL & KJAER	2706	POWER AMPLIFIER	5/17/2008
655	BRUEL & KJAER	4142	MICRPHN CALIB APPARATUS	6/1/2010
654	BRUEL & KJAER	2307	LEVEL RECORDER	7/16/2008

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Customer SILENCER RESEARCH
Report # 46615-5
Date Received FRIDAY, MARCH 21, 2008
Manufacturer BRUEL & KJAER
Model # 4220
Description PISTONPHONE

Dept. N/A
Bar Code #
P.O. # CREDIT CARD
Serial # 757225
Asset # 54524

Calibration Information

Date Calibrated 3/28/2008 Calibration Due Date 3/28/2009 Calibration Interval 12
Maintenance Procedure 1256
Temperature 22 ° C Humidity 38 % Calibration Performed By 7
Accuracy ±0.15 dB

Condition Received

Received In Tolerance
Remarks See attached data report

Condition Returned

Returned In Tolerance
Remarks

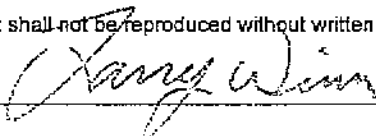
Standards Employed

ID #	Manufacturer	Model #	Description	Calibration Expires
026	BRUEL & KJAER	4144	1" CONDENSER MICROPHONE	5/17/2008
051	BRUEL & KJAER	2639	MICROPHONE PREAMPLIFIER	2/8/2009
949	BRUEL & KJAER	2636	MEASURING AMPLIFIER	1/31/2009
938	AGILENT	8903B	20HZ100KHZ AUDIO ANALYZER	12/10/2008
713	FLUKE	8920A	20 MHZ TRUE RMS VOLTMETER	7/10/2008
610	BRUEL & KJAER	4228	PISTONPHONE	1/30/2010
089	BRUEL & KJAER	4228	PISTONPHONE	1/30/2010

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APR 01 2008