



CERTIFICATE OF CALIBRATION

CUSTOMER:	CLEAR STAK PUTNAM CT	CALIBRATION DATE:	11/05/19
PO NUMBER:	101119CAL	CALIBRATION DUE:	11/05/20
INST. MANUFACTURER:	NUTECH	PROCEDURE:	NAVAIR 17-20MG-02
INST. DESCRIPTION:	AIR SAMPLER/ STACK SAMPLER	CALIBRATION FLUID:	AIR @ 14.7 PSIA 70 F
MODEL NUMBER:	2010A GRASEBY ANDERSEN (MST-C1)	STANDARD(S) USED:	A4, A24 DUE 06-2020
SERIAL NUMBER:	90389	NIST TRACE #'S:	1453296155, 1520423238
RATED UNCERTAINTY:	+/- 1 % RD.	AMBIENT CONDITIONS:	758 mm HGA 45 % RH 73 F
UNCERTAINTY GIVEN:	TOTAL measurement uncertainty: +/- .190 % RD, K=2	CERTIFICATE FILE #:	471998.19
NOTES:	AS RECEIVED/ AS LEFT WITHIN SPECS. REFERENCE CONDITIONS ARE: 760 mm HGA 70 F		

TEST POINT NUMBER	UUT		CORRECTION FACTOR	DM.STD.	
	INDICATED SCFH	ACTUAL SCFH		INDICATED INCH H2O	ACTUAL INCH H2O
	PD.METER	PD.METER		PRESS	PRESS
1	4.9801	4.99	1.0020	1	1.00
2	19.9177	19.98	1.0031	4	4.00
3	34.8736	34.99	1.0033	6	6.00
4	49.8620	50.01	1.0030	8	8.00
5	64.8725	65.02	1.0023	10	10.00
6	79.7875	79.94	1.0019	GAUGE	GAUGE
7	94.8063	95.05	1.0026	"HG VAC.	"HG VAC.
8	109.7209	110.02	1.0027	0-30	0-30
		AVERAGE	1.00261	TEMPERATURE	TEMPERATURE
				F DEG.	F DEG.
				72	72.02

All instruments used in the performance of the shown calibration have traceability to the National Institute of Standards and Technology (NIST). The uncertainty ratio between the calibration standards (DM.STD.) used and the unit under test (UUT) is a minimum of 4:1, unless otherwise noted. Calibration has been performed per the shown procedure number, in accordance with ISO 10012:2003, ISO 17025:2005, ANSI/NCSL-Z-540.3, and/or MIL-STD-45662A. Test methods: API2530-92 & ASME MFC-3M-1989.

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This Calibration Certificate shall not be reproduced, copied, or filed without approval by DICK MUNNS COMPANY. The data shown applies only to the instrument being calibrated and under the stated conditions of calibration.

Date:

Approved By:

Calibration Technician:

11/5/2019

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