



Agency Orange County Sheriff's Office

S/N 80-001416

Date In 09/19/2022 DI Completion Date 9/22/2022

☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Calibration Adjustment

By PN

Barometric Pressure Gauge 1009 ID # 28427

■ Post Calibration Adjustment Stability Checks

Notes/Suggested Service:

Department Inspection

By PN

Barometric Pressure ID# 28662

Gauge 1009	Instrument 1009
------------	-----------------

Mouth Alcohol Solution Lot # 2022-A

Acetone Stock Solution Lot # 2021-C

Attachments

- | | |
|--|--|
| ☒ Form 41
☒ Stability Checks
☒ Calibration Certificate
☒ Calibration Adjustment | ☒ Post-Stability Checks
☐ Flow Calibration
☐ Form 40
☐ Other |
|--|--|

- ☒ Instrument Complies with Chapter 11D-8, FAC
 - ☐ Instrument Does Not Comply with Chapter 11D-8, FAC
 - ☒ Return to/Place into Evidentiary Use
 - ☐ Remain Out of Evidentiary Use
 - ☒ Conduct an Agency Inspection Before Evidentiary Use

Israel Soto

Digitally signed by Israel Soto
Date: 2022.09.23 09:40:34

Tech Review / Date

Admin Review Date

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: ORANGE COUNTY S.O.
Time of Inspection: 11:29

Date of Inspection: 09/22/2022

Serial Number: 80-001416
Software: 8100.27

Check or Test	YES	NO	Check or Test	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

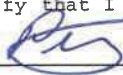
Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:202201C Exp: 01/11/2024	0.08g/210L Test (g/210L) Lot#:202201D Exp: 01/18/2024	0.20g/210L Test (g/210L) Lot#:202201E Exp: 01/18/2024	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:08121080A1 Exp: 05/05/2023
0.000	0.048	0.078	0.202	0.079
0.000	0.048	0.077	0.202	0.078
0.000	0.048	0.078	0.202	0.078
0.000	0.047	0.078	0.202	0.079
0.000	0.048	0.077	0.203	0.078
0.000	0.047	0.078	0.203	0.078
0.000	0.047	0.079	0.203	0.078
0.000	0.047	0.079	0.203	0.078
0.000	0.047	0.080	0.203	0.079
0.000	0.047	0.080	0.203	0.079
Standard Deviations	0.0005	0.0010	0.0005	0.0005

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0006 Number of Simulators Used: 5

Remarks:

The above instrument complies (☒) does not comply (☐) with Chapter 11D-8, FAC.

I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.



PHIL NICODEMO

Signature and Printed Name

09/22/2022
Date

Type of Test	Serial Number	Agency	Date	Performed By
Stability Checks	80-001416	Orange County Sheriff's Office	9/21/2022	PN

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053	0.077 to 0.083	0.194 to 0.206	0.077 to 0.083
ORANGE COUNTY S.O. Intoxilyzer - Alcohol Analyzer Model 8000 09/21/2022 Software: 8100.27 SN 80-001416 Test g/210L Time Air Blank 0.000 12:26 Control Test 0.049 12:27 Air Blank 0.000 12:27 Control Test 0.049 12:28 Air Blank 0.000 12:28 Control Test 0.049 12:29 Air Blank 0.000 12:29 Control Test Stats Average 0.0490 Std Dev 0.0000 Rel Std Dev(%) 0.0000 Operator's Signature	ORANGE COUNTY S.O. Intoxilyzer - Alcohol Analyzer Model 8000 09/21/2022 Software: 8100.27 SN 80-001416 Test g/210L Time Air Blank 0.000 12:31 Control Test 0.077 12:32 Air Blank 0.000 12:33 Control Test 0.077 12:33 Air Blank 0.000 12:34 Control Test 0.077 12:35 Air Blank 0.000 12:35 Control Test Stats Average 0.0770 Std Dev 0.0000 Rel Std Dev(%) 0.0000 Operator's Signature	ORANGE COUNTY S.O. Intoxilyzer - Alcohol Analyzer Model 8000 09/21/2022 Software: 8100.27 SN 80-001416 Test g/210L Time Air Blank 0.000 12:36 Control Test 0.204 12:37 Air Blank 0.000 12:38 Control Test 0.204 12:38 Air Blank 0.000 12:39 Control Test 0.204 12:40 Air Blank 0.000 12:40 Control Test Stats Average 0.2040 Std Dev 0.0000 Rel Std Dev(%) 0.0000 Operator's Signature	ORANGE COUNTY S.O. Intoxilyzer - Alcohol Analyzer Model 8000 09/21/2022 Software: 8100.27 SN 80-001416 Test g/210L Time Air Blank 0.000 12:42 Control Test 0.082 12:42 Air Blank 0.000 12:42 Control Test 0.082 12:43 Air Blank 0.000 12:43 Control Test 0.082 12:44 Air Blank 0.000 12:44 Control Test Stats Average 0.0813 Std Dev 0.0006 Rel Std Dev(%) 0.7099 Operator's Signature

Comments: N/A



Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
2331 Phillips Road.
Suite B1032
Tallahassee, FL 32308

This is to certify the calibration of Intoxilyzer 8000 serial number 80-001416, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001416</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>ORANGE COUNTY S.O.</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>09/22/2022</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>11:29</u>	0.200 g/ 210 L	0.007
		0.080 g/ 210 L Dry Gas Control	0.005

All results are reported in g/ 210 L.

Bias is limited by calibration acceptance criteria. All calibration results must be within ± 0.005 or 5%, whichever is greater, of the target alcohol concentration.

*Uncertainty is based on fleet-wide data and is expressed to a 99.73% level of confidence ($k=3$).

The instrument results before and after any adjustment are found in the associated pre and post stability checks.

TRACEABILITY INFORMATION

This instrument was calibrated using solutions prepared by Alcohol Countermeasure Systems, Inc. (ACS). ACS prepared and certified these CRMs in accordance with ISO 17034 and ISO/ IEC 17025 Standards.

Simulator temperatures are traceable to NIST. Simulator temperatures are checked with NIST traceable digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the use of CRMs supplied by an accredited CRM supplier. The supplier of dry gas standard controls prepared and certified the CRMs in accordance with ISO Guide 34 and ISO/ IEC 17025 standards. This document shall not be reproduced except in full, without written approval of the Florida Department of Law Enforcement Alcohol Testing Program.

Phil Nicodemo
Nicodemo
Date: 2022.09.22 13:02:59 -04'00'

Digitally signed by Phil

Nicodemo
Date: 2022.09.22 13:02:59 -04'00'

Date

PHIL NICODEMO,

Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001416
09/21/2022 13:32:42

CALIBRATION ADJUSTMENT

Auto Calibration

pg 1 of 2

<<<< 3um >>>> <<<< 9um >>>>

Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1
Sample % Abs (% Abs Ref) % Abs (% Abs Ref)
Sample #1 0.1860 (-0.0160) 0.1440 (-0.0090)
Sample #2 0.1670 (0.0260) 0.1440 (0.0060)
Sample #3 0.1460 (0.0500) 0.1060 (0.0240)
Sample #4 0.1410 (0.0730) 0.1050 (0.0350)
Avg % Abs 0.1513 (0.0497) 0.1183 (0.0217)
STD DEV 0.0138 (0.0235) 0.0222 (0.0146)
REL STD DEV 9.116 (47.319) 18.789 (67.570)

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1
Sample % Abs (% Abs Ref) % Abs (% Abs Ref)
Sample #1 0.8180 (-0.0020) 1.5210 (-0.0060)
Sample #2 0.8100 (0.0090) 1.4920 (0.0230)
Sample #3 0.8210 (0.0190) 1.4740 (0.0380)
Sample #4 0.8260 (0.0140) 1.4870 (0.0310)
Avg % Abs 0.8190 (0.0140) 1.4843 (0.0307)
STD DEV 0.0082 (0.0050) 0.0093 (0.0075)
REL STD DEV 0.999 (35.714) 0.626 (24.475)

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1
Sample % Abs (% Abs Ref) % Abs (% Abs Ref)
Sample #1 1.8910 (-0.0080) 3.5330 (-0.0030)
Sample #2 1.8410 (0.0420) 3.4680 (0.0470)
Sample #3 1.8350 (0.0480) 3.4750 (0.0420)
Sample #4 1.8620 (0.0580) 3.4520 (0.0630)
Avg % Abs 1.8460 (0.0493) 3.4650 (0.0507)
STD DEV 0.0142 (0.0081) 0.0118 (0.0110)
REL STD DEV 0.768 (16.384) 0.340 (21.651)

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1
Sample % Abs (% Abs Ref) % Abs (% Abs Ref)
Sample #1 3.6170 (-0.0270) 6.7090 (-0.0070)
Sample #2 3.5360 (0.0520) 6.6140 (0.1010)
Sample #3 3.5350 (0.0690) 6.5950 (0.1150)
Sample #4 3.5190 (0.0610) 6.5950 (0.1140)
Avg % Abs 3.5300 (0.0607) 6.6013 (0.1100)
STD DEV 0.0095 (0.0085) 0.0110 (0.0078)
REL STD DEV 0.270 (14.019) 0.166 (7.100)

Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1
Sample % Abs (% Abs Ref) % Abs (% Abs Ref)
Sample #1 5.1800 (-0.0270) 9.7460 (-0.0100)
Sample #2 5.1500 (0.0230) 9.6660 (0.0800)
Sample #3 5.1670 (0.0220) 9.6650 (0.0830)
Sample #4 5.1260 (0.0500) 9.6080 (0.1210)
Avg % Abs 5.1477 (0.0317) 9.6463 (0.0947)
STD DEV 0.0206 (0.0159) 0.0332 (0.0229)
REL STD DEV 0.400 (50.163) 0.344 (24.142)

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001416
09/21/2022 13:32:42

CALIBRATION ADJUSTMENT

(N)

Auto Calibration

pg 2 of 2

<<<< 3um >>>>

Zero Order Coef -390.14
First Order Coef 2747.65
Second Order Coef 19.63

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.001	-0.0005
0.040	0.039	0.0007
0.100	0.100	0.0003
0.200	0.201	-0.0006
0.300	0.300	0.0002

<<<< 9um >>>>

-176.48
1391.37
11.27

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0002
0.040	0.040	-0.0002
0.100	0.100	-0.0004
0.200	0.199	0.0005
0.300	0.300	-0.0002

<<<< 3um >>>> <<<< 9um >>>>

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
Sample #1 3123.00 3417.00
Sample #2 3122.00 3442.00
Sample #3 3071.00 3451.00
Sample #4 3080.00 3454.00
Avg 3091.0000 3449.0000
STD DEV 27.2213 6.2450
REL STD DEV 0.881 0.181
H2O adjust (mg/l*10k) 718 360

Barometric Pressure = 1009

*****CALIBRATION SUCCESSFUL*****

Type of Test	Serial Number	Agency	Date	Performed By
Post Calibration Adjustment Stability Checks	80-001416	Orange County Sheriff's Office	9/21/2022	PN

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053	0.077 to 0.083	0.194 to 0.206	0.077 to 0.083
ORANGE COUNTY S.O. Intoxilyzer - Alcohol Analyzer Model 8000 09/21/2022 Software: 8100.27 SN 80-001416 Test g/210L Time Air Blank 0.000 14:46 Control Test 0.049 14:47 Air Blank 0.000 14:47 Control Test 0.050 14:48 Air Blank 0.000 14:48 Control Test 0.050 14:49 Air Blank 0.000 14:50 Control Test Stats Average 0.0497 Std Dev 0.0006 Rel Std Dev(%) 1.1625 Operator's Signature	ORANGE COUNTY S.O. Intoxilyzer - Alcohol Analyzer Model 8000 09/21/2022 Software: 8100.27 SN 80-001416 Test g/210L Time Air Blank 0.000 14:51 Control Test 0.080 14:51 Air Blank 0.000 14:52 Control Test 0.079 14:53 Air Blank 0.000 14:53 Control Test 0.079 14:54 Air Blank 0.000 14:54 Control Test Stats Average 0.0793 Std Dev 0.0006 Rel Std Dev(%) 0.7277 Operator's Signature	ORANGE COUNTY S.O. Intoxilyzer - Alcohol Analyzer Model 8000 09/21/2022 Software: 8100.27 SN 80-001416 Test g/210L Time Air Blank 0.000 14:56 Control Test 0.213 14:57 Air Blank 0.000 14:57 Control Test 0.201 14:58 Air Blank 0.000 14:59 Control Test 0.200 14:59 Air Blank 0.000 15:00 Control Test Stats Average 0.2013 Std Dev 0.0015 Rel Std Dev(%) 0.7587 Operator's Signature	ORANGE COUNTY S.O. Intoxilyzer - Alcohol Analyzer Model 8000 09/21/2022 Software: 8100.27 SN 80-001416 Test g/210L Time Air Blank 0.000 15:01 Control Test 0.079 15:01 Air Blank 0.000 15:02 Control Test 0.078 15:02 Air Blank 0.000 15:03 Control Test 0.078 15:03 Air Blank 0.000 15:03 Control Test Stats Average 0.0783 Std Dev 0.0006 Rel Std Dev(%) 0.7370 Operator's Signature

Comments: N/A