



Agency Union County Sheriff's Office

S/N 80-001288

Date In 06/28/2023 DI Completion Date 06-29-2023

☐ Ship ☒ P/U ☐ H/D ☐ CMI ☐ EE

Calibration Adjustment

By

Barometric Pressure Gauge _____ ID # _____

☐ Post Calibration Adjustment Stability Checks

Notes/Suggested Service: Initial Flow Calibration
Adjustment performed by Department Inspector trainee.
Adjustment was repeated by permitted Department
Inspector, post flow values outside nominal range.
Adjustment repeated a third time, third post flow values
in nominal range. The same flow columns were used
for Flow Calibration Adjustments and post flow
verifications. IS

Department Inspection

By IS

Barometric Pressure ID# 28421

Gauge 1014	Instrument 1014
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Mouth Alcohol Solution Lot # 2022-A

Acetone Stock Solution Lot # 2022-B

Attachments

- | | |
|---|---|
| ☒ Form 41
☒ Stability Checks
☒ Calibration Certificate
☐ Calibration Adjustment | ☐ Post-Stability Checks
☒ Flow Calibration x3
☐ 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

Taylor
Gutschow

Digitally signed by Taylor
Gutschow
Date: 2023.06.29 14:35:41
-04'00'

Phil Nicodemo

Digitally signed by Phil Nicodemo
Date: 2023.06.30 15:06:24 -04'00'

Tech Review / Date

Admin Review / Date

Stability Checks and Flow Calibration

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001288
06/28/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:34
Control Test	0.049	11:35
Air Blank	0.000	11:36
Control Test	0.050	11:36
Air Blank	0.000	11:37
Control Test	0.049	11:37
Air Blank	0.000	11:38
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

Benjamin Soliday
Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001288
06/28/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:56
Control Test	0.079	11:56
Air Blank	0.000	11:57
Control Test	0.078	11:58
Air Blank	0.000	11:58
Control Test	0.078	11:59
Air Blank	0.000	11:59
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

Benjamin Soliday
Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001288
06/28/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:02
Control Test	0.197	12:03
Air Blank	0.000	12:04
Control Test	0.195	12:04
Air Blank	0.000	12:05
Control Test	0.196	12:06
Air Blank	0.000	12:06
Control Test Stats		
Average	0.1960	
Std Dev	0.0010	
Rel Std Dev(%)	0.5102	

Benjamin Soliday
Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001288
06/28/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:11
Control Test	0.081	12:11
Air Blank	0.000	12:12
Control Test	0.080	12:12
Air Blank	0.000	12:12
Control Test	0.080	12:13
Air Blank	0.000	12:13
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DGS

Benjamin Soliday
Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001288
06/28/2023
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5
SQRT(Diff)) = 7.277
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.746
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.637
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 721
Rounded Intercept = -772765
Correlation = 0.99727

Benjamin Soliday

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: UNION COUNTY SO
Time of Inspection: 12:35

Date of Inspection: 06/29/2023

Serial Number: 80-001288
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#:202303K Exp: 03/29/2025	0.08g/210L Test (g/210L) Lot#:202303L Exp: 03/29/2025	0.20g/210L Test (g/210L) Lot#:202304C Exp: 04/05/2025	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG229803 Exp: 10/25/2024
0.000	0.049	0.078	0.196	0.078
0.000	0.050	0.079	0.196	0.079
0.000	0.049	0.078	0.196	0.078
0.000	0.049	0.079	0.196	0.078
0.000	0.050	0.079	0.195	0.079
0.000	0.049	0.078	0.195	0.078
0.000	0.049	0.079	0.196	0.078
0.000	0.049	0.079	0.195	0.078
0.000	0.050	0.079	0.196	0.078
0.000	0.050	0.079	0.196	0.078

Standard Deviations	0.0005	0.0004	0.0004	0.0004
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 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.

Israel Soto

ISRAEL SOTO

Signature and Printed Name

06/29/2023
Date



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 80-001288 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001288</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>UNION COUNTY SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>06/29/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>12:35</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.

Israel Soto
Soto
Date: 2023.06.29 12:45:02
-04'00'

Date

ISRAEL SOTO,
Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

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UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001288
06/29/2023
Software: 8100.27

Flow Calibration
Adjustment # 2

df

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff)) = 6.855

2: Rate (Liters/min) = 15

SQRT(Diff)) = 11.445

3: Rate (Liters/min) = 30

SQRT(Diff)) = 20.492

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 707

Rounded Intercept = -672319

Correlation = 0.99744

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001288
06/29/2023
Software: 8100.27

Flow Calibration
Adjustment #3



Flow Rate Calibration*****

1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.633
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.488
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.734

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 685

Rounded Intercept = -603794

Correlation = 0.99802