



Agency **Hamilton County Sheriff's Office**

S/N 80-000797

Date In 12/12/2022 DI Completion Date 12/16/2022

☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Calibration Adjustment

By PN

Barometric Pressure Gauge 1007 ID # 28427

■ Post Calibration Adjustment Stability Checks

Notes/Suggested Service:

Department Inspection

By PN

Barometric Pressure ID# 28421

Gauge 1015	Instrument 1013
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Mouth Alcohol Solution Lot # 2022-A

Acetone Stock Solution Lot # 2022-B

Attachments

- | | |
|--|--|
| <input checked="" type="checkbox"/> Form 41
<input checked="" type="checkbox"/> Stability Checks
<input checked="" type="checkbox"/> Calibration Certificate
<input checked="" type="checkbox"/> Calibration Adjustment | <input checked="" type="checkbox"/> Post-Stability Checks
<input type="checkbox"/> Flow Calibration
<input type="checkbox"/> Form 40
<input type="checkbox"/> 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

David Eliezer
Reyes-Rivera

Israel Soto

Digitally signed by Israel Soto
Date: 2022.12.20 08:38:49 -05'00'

Tech Review / Date

Admin Review / Date


STABILITY CHECKS

80-000797

12/14/2022

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/14/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:10
Control Test	0.047	14:10
Air Blank	0.000	14:11
Control Test	0.046	14:12
Air Blank	0.000	14:12
Control Test	0.046	14:13
Air Blank	0.000	14:13
Control Test Stats		
Average	0.0463	
Std Dev	0.0006	
Rel Std Dev(%)	1.2461	


Operator's Signature

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/14/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:15
Control Test	0.076	14:15
Air Blank	0.000	14:16
Control Test	0.075	14:17
Air Blank	0.000	14:17
Control Test	0.075	14:18
Air Blank	0.000	14:18
Control Test Stats		
Average	0.0753	
Std Dev	0.0006	
Rel Std Dev(%)	0.7664	


Operator's Signature

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/14/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:19
Control Test	0.198	14:20
Air Blank	0.000	14:21
Control Test	0.196	14:21
Air Blank	0.000	14:22
Control Test	0.196	14:23
Air Blank	0.000	14:23
Control Test Stats		
Average	0.1967	
Std Dev	0.0012	
Rel Std Dev(%)	0.5871	


Operator's Signature

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/14/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:25
Control Test	0.077	14:25
Air Blank	0.000	14:26
Control Test	0.076	14:26
Air Blank	0.000	14:27
Control Test	0.076	14:27
Air Blank	0.000	14:27
Control Test Stats		
Average	0.0763	
Std Dev	0.0006	
Rel Std Dev(%)	0.7564	

DGS 0.08 g/210L


Operator's Signature

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/15/2022 09:23:13

CALIBRATION Adjustment



Auto Calibration

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<<<<< 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	0.1190	(-0.0180)	0.1220	(0.0040)	
Sample #2	0.1390	(0.0160)	0.1280	(0.0250)	
Sample #3	0.1220	(0.0170)	0.1530	(0.0150)	
Sample #4	0.1200	(0.0580)	0.1370	(0.0420)	
Avg % Abs	0.1270	(0.0303)	0.1393	(0.0273)	
STD DEV	0.0104	(0.0240)	0.0127	(0.0137)	
REL STD DEV	8.221	(79.006)	9.088	(49.940)	

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.8310	(-0.0070)	1.5800	(-0.0140)	
Sample #2	0.8710	(-0.0160)	1.6020	(-0.0140)	
Sample #3	0.8510	(0.0120)	1.5640	(0.0260)	
Sample #4	0.8860	(-0.0150)	1.5890	(0.0060)	
Avg % Abs	0.8693	(-0.0063)	1.5850	(0.0060)	
STD DEV	0.0176	(0.0159)	0.0193	(0.0200)	
REL STD DEV	2.020	(250.816)	1.219	(333.333)	

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	1.9800	(-0.0120)	3.7090	(-0.0130)	
Sample #2	1.9230	(0.0140)	3.6590	(0.0220)	
Sample #3	1.9120	(0.0250)	3.6540	(0.0290)	
Sample #4	1.9110	(0.0260)	3.6590	(0.0340)	
Avg % Abs	1.9153	(0.0217)	3.6573	(0.0283)	
STD DEV	0.0067	(0.0067)	0.0029	(0.0060)	
REL STD DEV	0.348	(30.731)	0.079	(21.274)	

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	3.7020	(-0.0060)	7.0660	(-0.0030)	
Sample #2	3.6360	(0.0450)	6.9670	(0.0710)	
Sample #3	3.6330	(0.0400)	6.9400	(0.0790)	
Sample #4	3.6090	(0.0640)	6.9560	(0.0900)	
Avg % Abs	3.6260	(0.0497)	6.9543	(0.0800)	
STD DEV	0.0148	(0.0127)	0.0136	(0.0095)	
REL STD DEV	0.408	(25.495)	0.195	(11.924)	

Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	5.3250	(-0.0160)	10.1600	(-0.0130)	
Sample #2	5.2920	(0.0570)	10.1040	(0.0730)	
Sample #3	5.2990	(0.0330)	10.0650	(0.0820)	
Sample #4	5.2960	(0.0590)	10.0660	(0.1030)	
Avg % Abs	5.2957	(0.0497)	10.0783	(0.0860)	
STD DEV	0.0035	(0.0145)	0.0222	(0.0154)	
REL STD DEV	0.066	(29.131)	0.221	(17.901)	

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/15/2022 09:23:13

CALIBRATION ADJUSTMENT



Auto Calibration

pg 2 of 2

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

Zero Order Coef -356.67
First Order Coef 2618.10
Second Order Coef 28.02

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0005
0.040	0.041	-0.0008
0.100	0.100	0.0000
0.200	0.200	0.0004
0.300	0.300	-0.0002

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

Zero Order Coef -188.22
First Order Coef 1305.89
Second Order Coef 12.94

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0001
0.040	0.040	-0.0002
0.100	0.100	0.0000
0.200	0.200	0.0001
0.300	0.300	-0.0000

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

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
Sample #1 2787.00 3257.00
Sample #2 2787.00 3239.00
Sample #3 2737.00 3229.00
Sample #4 2737.00 3226.00
Avg 2753.6667 3231.3333
STD DEV 28.8675 6.8069
REL STD DEV 1.048 0.211
H2O adjust (mg/l*10k) 1056 578

Barometric Pressure = 1007

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

80-000797

Post Calibration Adjustment Stability Checks

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/15/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:32
Control Test	0.049	12:33
Air Blank	0.000	12:33
Control Test	0.048	12:34
Air Blank	0.000	12:35
Control Test	0.049	12:35
Air Blank	0.000	12:36
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

0.05 g/210L



Operator's Signature

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/15/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:38
Control Test	0.078	12:39
Air Blank	0.000	12:39
Control Test	0.077	12:40
Air Blank	0.000	12:41
Control Test	0.077	12:41
Air Blank	0.000	12:42
Control Test Stats		
Average	0.0773	
Std Dev	0.0006	
Rel Std Dev(%)	0.7466	

0.08 g/210L



Operator's Signature

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/15/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:43
Control Test	0.200	12:44
Air Blank	0.000	12:45
Control Test	0.200	12:45
Air Blank	0.000	12:46
Control Test	0.198	12:47
Air Blank	0.000	12:47
Control Test Stats		
Average	0.1993	
Std Dev	0.0012	
Rel Std Dev(%)	0.5793	

0.20 g/210L



Operator's Signature

HAMILTON COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000797
12/15/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:48
Control Test	0.081	12:49
Air Blank	0.000	12:49
Control Test	0.079	12:49
Air Blank	0.000	12:50
Control Test	0.080	12:50
Air Blank	0.000	12:51
Control Test Stats		
Average	0.0800	
Std Dev	0.0010	
Rel Std Dev(%)	1.2500	

DGS 0.08 g/210L



Operator's Signature

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HAMILTON COUNTY SO
Time of Inspection: 10:42

Date of Inspection: 12/16/2022

Serial Number: 80-000797
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#:AG229803 Exp: 10/25/2024
0.000	0.050	0.080	0.202	0.081
0.000	0.050	0.079	0.202	0.080
0.000	0.050	0.080	0.203	0.080
0.000	0.050	0.079	0.202	0.080
0.000	0.050	0.080	0.202	0.080
0.000	0.051	0.080	0.202	0.080
0.000	0.050	0.080	0.203	0.080
0.000	0.050	0.079	0.202	0.079
0.000	0.051	0.079	0.202	0.080
0.000	0.050	0.079	0.202	0.079

Standard Deviations	0.0004	0.0005	0.0004	0.0005
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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.



PHIL NICODEMO

Signature and Printed Name

12/16/2022
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 80-000797, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-000797</u>	UNCERTAINTY* \pm	
Owning Agency:	<u>HAMILTON COUNTY SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>12/16/2022</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>10:42</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.

12/16/2022

Date

Phil Nicodemo

Digitally signed by Phil Nicodemo
Date: 2022.12.16 14:16:25 -05'00'

PHIL NICODEMO,
Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

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