



INSTRUMENT PROCESSING SHEET

Agency Hillsborough Sheriff's Office

S/N 80-007484

Florida Department of
Law Enforcement

Date In 10-25-2023 DI Completion Date 10-31-2023

☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By ALL	Quality Checks	By IS	Date 10-30-2023	Flow Calibration	By	Date																																										
☒ Annual ☐ Registration ☒ Return from CMI / EE Visual Inspection: ☒ Case ☒ Handle ☒ Keyboard ☒ Dry Gas Shelf ☒ Feet ☒ Breath Tube ☒ Ports ☒ Screws Tight Other Equipment/ Accessories: ☐ Power cord ☐ Printer Cable ☒ Static Bag ☐ 12V DC Cable Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____		☒ Breath Tube Screen ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value 183 ☒ Flow Verification (L/s) Flow Column # ATP-105 32 mm 0.160 (.139 - .169) 36 mm 0.171 (.156 - .190) 53 mm 0.250 (.228 - .278) 103 mm 0.523 (.447 - .547) ☒ Barometric Pressure Check Gauge ID # 30793 ☒ Stability Checks			Flow Column # _____ ☐ 5L/min - 17mm ☐ 15L/min - 53mm ☐ 30L/min - 103mm ☐ R-Value _____ ☐ Post Calibration Verification (L/s) Flow Column # _____ 32 mm _____ (.139 - .169) 36 mm _____ (.156 - .190) 53 mm _____ (.228 - .278) 103 mm _____ (.447 - .547)																																												
		<table border="1"><thead><tr><th>Simulator</th><th>Serial #</th><th>Lot #/Exp</th></tr></thead><tbody><tr><td>0.050</td><td>MP5088</td><td>202303K 03-29-2025</td></tr><tr><td>0.080</td><td>MP5089</td><td>202303L 03-29-2025</td></tr><tr><td>0.200</td><td>MP5090</td><td>202304C 04-05-2025</td></tr><tr><td>0.080 DGS</td><td>N/A</td><td>AG229803 10-25-2024</td></tr></tbody></table>			Simulator	Serial #	Lot #/Exp	0.050	MP5088	202303K 03-29-2025	0.080	MP5089	202303L 03-29-2025	0.200	MP5090	202304C 04-05-2025	0.080 DGS	N/A	AG229803 10-25-2024	<table border="1"><thead><tr><th colspan="2">Maintenance</th><th>By</th></tr></thead><tbody><tr><td>☐ Battery Replacement</td><td></td><td></td></tr><tr><td>☐ Dry Gas Regulator Replacement</td><td></td><td></td></tr><tr><td>☐ Breath Tube Replacement</td><td></td><td></td></tr><tr><td>☐ Other</td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></tbody></table>			Maintenance		By	☐ Battery Replacement			☐ Dry Gas Regulator Replacement			☐ Breath Tube Replacement			☐ Other														
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Barometric Pressure Gauge _____ ID # _____				Barometric Pressure ID# 30793																																													
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Notes/Suggested Service: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____				☒ 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: 2023.10.31 12:22:22 -04'00'		Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.11.02 08:32:48 -04'00'																																													
		Tech Review / Date		Admin Review / Date																																													

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 09:58

Date of Inspection: 10/31/2023

Serial Number: 80-007484
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	0.079	0.198	0.080
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.079	0.198	0.079
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.079	0.198	0.080

Standard Deviations	0.0000	0.0000	0.0003	0.0003
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0001 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

10/31/2023
Date

Stability Checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
10/30/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:50
Control Test	0.049	12:51
Air Blank	0.000	12:52
Control Test	0.049	12:52
Air Blank	0.000	12:53
Control Test	0.049	12:54
Air Blank	0.000	12:54
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
10/30/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:55
Control Test	0.079	12:56
Air Blank	0.000	12:56
Control Test	0.079	12:57
Air Blank	0.000	12:57
Control Test	0.079	12:58
Air Blank	0.000	12:59
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
10/30/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:00
Control Test	0.198	13:00
Air Blank	0.000	13:01
Control Test	0.198	13:02
Air Blank	0.000	13:02
Control Test	0.198	13:03
Air Blank	0.000	13:03
Control Test Stats		
Average	0.1980	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
10/30/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:06
Control Test	0.079	13:06
Air Blank	0.000	13:06
Control Test	0.079	13:07
Air Blank	0.000	13:07
Control Test	0.079	13:08
Air Blank	0.000	13:08
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature



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 80-007484 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-007484</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>HILLSBOROUGH CO SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>10/31/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>09:58</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: 2023.10.31 11:01:55
-04'00'

Date

ISRAEL SOTO,
Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality



INSTRUMENT PROCESSING SHEET

Agency Hillsborough County Sheriff's Office

S/N 80-007484

Florida Department of
Law Enforcement

Date In 08/02/23

DI Completion Date 08-08-2023

☐ Ship ☐ P/U ☐ H/D ☒ CMI ☐ EE

Intake By <u>ALL</u> ☒ Annual ☐ Registration ☒ Return from CMI / EE Visual Inspection: ☒ Case ☒ Handle ☒ Keyboard ☒ Dry Gas Shelf ☒ Feet ☒ Breath Tube ☒ Ports ☒ Screws Tight Other Equipment/ Accessories: ☐ Power cord ☐ Printer Cable ☒ Static Bag ☐ 12V DC Cable Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ 	Quality Checks By <u>BS</u> Date <u>8/4/2023</u> ☒ Breath Tube Screen ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value <u>176</u> ☒ Flow Verification (L/s) Flow Column # <u>ATP102</u> 32 mm <u>0.175</u> (.139 - .169) 36 mm <u>0.187</u> (.156 - .190) 53 mm <u>0.246</u> (.228 - .278) 103 mm <u>0.500</u> (.447 - .547) ☒ Barometric Pressure Check Gauge ID # <u>28421</u> ☒ Stability Checks <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td>MP5088</td> <td>202303K 3/29/2025</td> </tr> <tr> <td>0.080</td> <td>MP5089</td> <td>202303L 3/29/2025</td> </tr> <tr> <td>0.200</td> <td>MP5090</td> <td>202304C 4/5/2025</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>06723080A5 4/5/2025</td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.050	MP5088	202303K 3/29/2025	0.080	MP5089	202303L 3/29/2025	0.200	MP5090	202304C 4/5/2025	0.080 DGS	N/A	06723080A5 4/5/2025	Flow Calibration By <u>IS</u> Date <u>08-08-2023</u> Flow Column # <u>ATP-105 x2</u> ☒ 5L/min – 17mm ☒ 15L/min – 53mm ☒ 30L/min – 103mm ☒ R-Value <u>187/187</u> ☒ Post Calibration Verification (L/s) Flow Column # <u>ATP-103 x2</u> 32 mm <u>0.144/0.136</u> (.139 - .169) 36 mm <u>0.160/0.152</u> (.156 - .190) 53 mm <u>0.226/0.226</u> (.228 - .278) 103 mm <u>0.488/0.488</u> (.447 - .547) Maintenance By _____ ☐ Battery Replacement ☐ Dry Gas Regulator Replacement ☐ Breath Tube Replacement ☐ Other _____ _____ _____ _____ _____
Simulator	Serial #	Lot #/Exp															
0.050	MP5088	202303K 3/29/2025															
0.080	MP5089	202303L 3/29/2025															
0.200	MP5090	202304C 4/5/2025															
0.080 DGS	N/A	06723080A5 4/5/2025															

Calibration Adjustment By _____ Barometric Pressure Gauge _____ ID # _____ <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #</th> <th>Expiration</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td></td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>0.040</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.100</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.200</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.300</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td></td> <td></td> </tr> </tbody> </table> ☐ Post Calibration Adjustment Stability Checks <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #</th> <th>Expiration</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.080</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.200</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td></td> <td></td> </tr> </tbody> </table> Notes/Suggested Service: <u>Quality checks began 8/4/2023, stability checks 8/7/2023. BS</u> _____ <u>Flow values outside nominal range. 2 Flow calibration adjustments performed, flow values remained outside nominal range. Returning instrument to CMI. IS</u> _____ _____ 	Simulator	Serial #	Lot #	Expiration	0.000		N/A	N/A	0.040				0.100				0.200				0.300				0.080 DGS	N/A			Simulator	Serial #	Lot #	Expiration	0.050				0.080				0.200				0.080 DGS	N/A			Department Inspection By <u>IS</u> Barometric Pressure ID# <u>30793</u> Gauge <u>1013</u> Instrument <u>1011</u> Mouth Alcohol Solution Lot # <u>2023-A</u> Acetone Stock Solution Lot # <u>2022-B</u> <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>MP6289</td> </tr> <tr> <td>Interferent</td> <td>MP6290</td> </tr> <tr> <td>0.050</td> <td>MP6291</td> </tr> <tr> <td>0.080</td> <td>MP6292</td> </tr> <tr> <td>0.200</td> <td>MP6293</td> </tr> </tbody> </table> Attachments ☒ Form 41 ☐ Post-Stability Checks ☒ Stability Checks ☒ Flow Calibration x2 ☒ Calibration Certificate ☐ Form 40 ☐ Calibration Adjustment ☒ Other <u>Form 51</u> ☒ 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: 2023.08.09 10:01:26 -04'00' Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.08.10 12:07:50 -04'00' Tech Review / Date _____ Admin Review / Date _____	Simulator	Serial Number	0.000	MP6289	Interferent	MP6290	0.050	MP6291	0.080	MP6292	0.200	MP6293
Simulator	Serial #	Lot #	Expiration																																																										
0.000		N/A	N/A																																																										
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Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 15:52

Date of Inspection: 08/08/2023

Serial Number: 80-007484
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#:202201E Exp: 01/18/2024	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:06723080A5 Exp: 04/05/2025
0.000	0.048	0.078	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.079	0.199	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.079	0.199	0.079
0.000	0.049	0.079	0.199	0.079
0.000	0.049	0.079	0.198	0.079
0.000	0.048	0.079	0.199	0.079
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.079	0.199	0.079

Standard Deviations	0.0005	0.0003	0.0005	0.0003
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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.



Signature and Printed Name

ISRAEL SOTO

08/08/2023
Date

Stability Checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
08/07/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:51
Control Test	0.049	07:52
Air Blank	0.000	07:52
Control Test	0.049	07:53
Air Blank	0.000	07:53
Control Test	0.049	07:54
Air Blank	0.000	07:55
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	


Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
08/07/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:59
Control Test	0.078	07:59
Air Blank	0.000	08:00
Control Test	0.079	08:00
Air Blank	0.000	08:01
Control Test	0.079	08:02
Air Blank	0.000	08:02
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	


Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
08/07/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:35
Control Test	0.198	07:36
Air Blank	0.000	07:36
Control Test	0.198	07:37
Air Blank	0.000	07:37
Control Test	0.198	07:38
Air Blank	0.000	07:39
Control Test Stats		
Average	0.1980	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	


Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
08/07/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:45
Control Test	0.078	07:46
Air Blank	0.000	07:46
Control Test	0.078	07:46
Air Blank	0.000	07:47
Control Test	0.078	07:47
Air Blank	0.000	07:48
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS


Operator's Signature



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 80-007484 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-007484</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>HILLSBOROUGH CO SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>08/08/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>15:52</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
Digitally signed by Israel Soto
Date: 2023.08.08 16:21:44 -04'00'

08/08/2023

Date

ISRAEL SOTO,
Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
08/08/2023
Software: 8100.27

Flow calibration
Adjustment #1

OK

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff)) = 7.348

2: Rate (Liters/min) = 15

SQRT(Diff)) = 12.082

3: Rate (Liters/min) = 30

SQRT(Diff)) = 21.281

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 692

Rounded Intercept = -737866

Correlation = 0.99769

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
08/08/2023
Software: 8100.27

Flow Calibration
Adjustment #2



Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff)) = 7.414

2: Rate (Liters/min) = 15

SQRT(Diff)) = 12.039

3: Rate (Liters/min) = 30

SQRT(Diff)) = 21.211

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 698

Rounded Intercept = -755713

Correlation = 0.99733

Return Material Authorization

Ship to: ☒ CMI, Inc.

☐ Enforcement Electronics

Shipment to repair facility authorized by: Israel Soto on 08-08-2023

Items Returned: Instrument ☒ Supplies ☐ Other ☐ Describe: _____

Instrument Model: Intoxilyzer 8000 Serial Number: 80-007484

Bill To Address:

Returning to repair

Ship to Address:

FDLE Off-Site Mail Facility

c/o Florida Dept of Law Enforcement

Alcohol Testing Program

813 B Lake Bradford Road

Tallahassee, FL 32304

Reason for Return:

Instrument returned to our office from repair facility. On initial examination, instrument's flow
values were outside nominal range. Flow values remained outside nominal range after
several flow calibration adjustments.

Please choose one of the following options:

☐ 1. I _____, authorize all repairs.

☐ 2. I _____, authorize repairs up to \$_____.

☒ 3. I require an estimate **BEFORE** any repairs will be authorized and/ or conducted.

Please contact: Name: Stephanie Knox

Phone #: 813-247-8361 Email: sknox@teamhcsso.com

ATP Contact Name: Israel Soto ATP Email: israelsoto@fdle.state.fl.us



Agency Hillsborough County Sheriff's Office

S/N 80-007484

Date In 06/08/2023DI Completion Date 06-15-2023☐ Ship

☐ P/U

☐ H/D

Intake		By <u>ALL</u>		Quality Checks		By <u>IS</u>		Date <u>06-15-2023</u>		Flow Calibration		By _____		Date _____																																
☒ Annual ☐ Registration ☐ Return from CMI / EE Visual Inspection: ☒ Case ☒ Handle ☒ Keyboard ☒ Dry Gas Shelf ☒ Feet ☒ Breath Tube ☒ Ports ☒ Screws Tight Other Equipment/ Accessories: ☐ Power cord ☐ Printer Cable ☒ Static Bag ☐ 12V DC Cable Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____				☒ Breath Tube Screen ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value <u>181</u> ☒ Flow Verification (L/s) Flow Column # <u>ATP-105</u> 32 mm <u>0.152</u> (.139 - .169) 36 mm <u>0.164</u> (.156 - .190) 53 mm <u>0.242</u> (.228 - .278) 103 mm <u>0.507</u> (.447 - .547) ☒ Barometric Pressure Check Gauge ID # <u>28421</u> ☒ Stability Checks				Flow Column # _____ ☐ 5L/min – 17mm ☐ 15L/min – 53mm ☐ 30L/min – 103mm ☐ R-Value _____ ☐ Post Calibration Verification (L/s) Flow Column # _____ 32 mm _____ (.139 - .169) 36 mm _____ (.156 - .190) 53 mm _____ (.228 - .278) 103 mm _____ (.447 - .547)																																						
				<table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td rowspan="2">0.050</td> <td rowspan="2">MP6291</td> <td>202201C</td> </tr> <tr> <td>01-11-2024</td> </tr> <tr> <td rowspan="2">0.080</td> <td rowspan="2">MP6292</td> <td>202303L</td> </tr> <tr> <td>03-29-2025</td> </tr> <tr> <td rowspan="2">0.200</td> <td rowspan="2">MP6293</td> <td>202201E</td> </tr> <tr> <td>01-18-2024</td> </tr> <tr> <td rowspan="2">0.080 DGS</td> <td rowspan="2">N/A</td> <td>AG229803</td> </tr> <tr> <td>10-25-2024</td> </tr> </tbody> </table>		Simulator	Serial #	Lot #/Exp	0.050	MP6291	202201C	01-11-2024	0.080	MP6292	202303L	03-29-2025	0.200	MP6293	202201E	01-18-2024	0.080 DGS	N/A	AG229803	10-25-2024	<table border="1"> <thead> <tr> <th>Maintenance</th> <th>By _____</th> </tr> </thead> <tbody> <tr> <td>☐ Battery Replacement</td> <td></td> </tr> <tr> <td>☐ Dry Gas Regulator Replacement</td> <td></td> </tr> <tr> <td>☐ Breath Tube Replacement</td> <td></td> </tr> <tr> <td>☐ Other _____</td> <td></td> </tr> <tr> <td>_____</td> <td></td> </tr> <tr> <td>_____</td> <td></td> </tr> <tr> <td>_____</td> <td></td> </tr> <tr> <td>_____</td> <td></td> </tr> </tbody> </table>				Maintenance	By _____	☐ Battery Replacement		☐ Dry Gas Regulator Replacement		☐ Breath Tube Replacement		☐ Other _____		_____		_____		_____		_____	
Simulator	Serial #	Lot #/Exp																																												
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☐ Dry Gas Regulator Replacement																																														
☐ Breath Tube Replacement																																														
☐ Other _____																																														

Calibration Adjustment				By _____	
Barometric Pressure Gauge _____				ID # _____	
Simulator	Serial #	Lot #	Expiration		
0.000		N/A	N/A		
0.040					
0.100					
0.200					
0.300					
0.080 DGS	N/A				
☐ Post Calibration Adjustment Stability Checks					
Simulator	Serial #	Lot #	Expiration		
0.050					
0.080					
0.200					
0.080 DGS	N/A				
Notes/Suggested Service: <u>Agency Inspector indicated instrument printed incorrect breath alcohol concentration and times during a breath test. Correct concentration/times were printed during a test recall. Sending instrument to CMI. IS</u>					

Department Inspection		By <u>IS</u>	
Barometric Pressure ID# <u>28421</u>			
Gauge <u>1010</u>	Instrument <u>1008</u>		
Mouth Alcohol Solution Lot # <u>2022-A</u>			
Acetone Stock Solution Lot # <u>2022-B</u>			
Simulator	Serial Number		
0.000	MP6289		
Interferent	MP6290		
0.050	MP6291		
0.080	MP6292		
0.200	MP6293		
Attachments			
☒ Form 41 ☒ Stability Checks ☒ Calibration Certificate ☐ Calibration Adjustment		☐ Post-Stability Checks ☐ Flow Calibration ☐ Form 40 ☒ Other <u>Form 51</u>	
☒ 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: 2023.06.15 12:36:39 -04'00'		Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.06.15 14:57:17 -04'00'	
Tech Review / Date _____		Admin Review / Date _____	

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 10:37

Date of Inspection: 06/15/2023

Serial Number: 80-007484
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#:202303L Exp: 03/29/2025	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	0.048	0.079	0.198	0.080
0.000	0.047	0.079	0.198	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.048	0.079	0.197	0.080

Standard Deviations	0.0003	0.0000	0.0003	0.0000
---------------------	--------	--------	--------	--------

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0001 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

06/15/2023
Date

stability checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
06/15/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:42
Control Test	0.049	08:43
Air Blank	0.000	08:43
Control Test	0.048	08:44
Air Blank	0.000	08:44
Control Test	0.048	08:45
Air Blank	0.000	08:45
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
06/15/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:47
Control Test	0.079	08:48
Air Blank	0.000	08:48
Control Test	0.079	08:49
Air Blank	0.000	08:49
Control Test	0.079	08:50
Air Blank	0.000	08:51
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Wet

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
06/15/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:52
Control Test	0.199	08:53
Air Blank	0.000	08:53
Control Test	0.200	08:54
Air Blank	0.000	08:54
Control Test	0.199	08:55
Air Blank	0.000	08:56
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
06/15/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:58
Control Test	0.080	08:59
Air Blank	0.000	08:59
Control Test	0.080	08:59
Air Blank	0.000	09:00
Control Test	0.079	09:00
Air Blank	0.000	09:01
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

Dry

Operator's Signature



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 80-007484 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-007484</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>HILLSBOROUGH CO SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>06/15/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>10:37</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: 2023.06.15 11:09:49
-04'00'

Date

ISRAEL SOTO,
Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

Return Material Authorization

Ship to:

☒ CMI, Inc.

☐ Enforcement Electronics

Shipment to repair facility authorized by: Stephanie Knox on 06-14-2023

Items Returned: Instrument ☒ Supplies ☐ Other ☐ Describe: _____

Instrument Model: Intoxilyzer 8000 Serial Number: 80-007484

Bill To Address:

Hillsborough County Sheriff's Office

(May be under OEM Warranty)

Ship to Address:

Florida Dept. of Law Enforcement

Alcohol Testing Program

813 B Lake Bradford Rd

Tallahassee, FL 32304

Reason for Return:

Instrument printed a breath test with incorrect breath alcohol concentrations and times.

Correct results/times were printed when test was recalled, additional breath tests were printed
when original test was recalled.

Please choose one of the following options:

☐ 1. I _____, authorize all repairs.

☐ 2. I _____, authorize repairs up to \$_____.

☒ 3. I require an estimate **BEFORE** any repairs will be authorized and/ or conducted.

Please contact: Name: Stephanie Knox

Phone #: 813-247-8361 Email: sknox@hcsso.tampa.fl.us

ATP Contact Name: Israel Soto ATP Email: israelsoto@fdle.state.fl.us



Agency Hillsborough County Sheriff's Office

S/N 80-007484

Date In 03-07-2023 DI Completion Date 03-08-2023

☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By	IS	Quality Checks	By	IS	Date	03-07-2023	Flow Calibration	By	Date															
☒ Annual ☐ Registration ☒ Return from CMI / EE Visual Inspection: ☒ Case ☒ Handle ☒ Keyboard ☒ Dry Gas Shelf ☒ Feet ☒ Breath Tube ☒ Ports ☒ Screws Tight Other Equipment/ Accessories: ☐ Power cord ☐ Printer Cable ☒ Static Bag ☐ 12V DC Cable Notes: _____ _____ _____ _____ _____ _____ _____ _____			☒ Breath Tube Screen ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value <u>188</u> ☒ Flow Verification (L/s) Flow Column # <u>ATP-105</u> 32 mm <u>0.156</u> (.139 - .169) 36 mm <u>0.167</u> (.156 - .190) 53 mm <u>0.238</u> (.228 - .278) 103 mm <u>0.503</u> (.447 - .547) ☒ Barometric Pressure Check Gauge ID # <u>30793</u> ☒ Stability Checks				Flow Column # _____ ☐ 5L/min – 17mm ☐ 15L/min – 53mm ☐ 30L/min – 103mm ☐ R-Value _____ ☐ Post Calibration Verification (L/s) Flow Column # _____ 32 mm _____ (.139 - .169) 36 mm _____ (.156 - .190) 53 mm _____ (.228 - .278) 103 mm _____ (.447 - .547)																		
			<table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td>MP6291</td> <td>202201C 01-11-2024</td> </tr> <tr> <td>0.080</td> <td>MP6292</td> <td>202201D 01-18-2024</td> </tr> <tr> <td>0.200</td> <td>MP6293</td> <td>202201E 01-18-2024</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>AG229803 10-25-2024</td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.050	MP6291	202201C 01-11-2024	0.080	MP6292	202201D 01-18-2024	0.200	MP6293	202201E 01-18-2024	0.080 DGS	N/A	AG229803 10-25-2024				Maintenance By _____ ☐ Battery Replacement ☐ Dry Gas Regulator Replacement ☐ Breath Tube Replacement ☐ Other _____ _____ _____ _____ _____			
Simulator	Serial #	Lot #/Exp																							
0.050	MP6291	202201C 01-11-2024																							
0.080	MP6292	202201D 01-18-2024																							
0.200	MP6293	202201E 01-18-2024																							
0.080 DGS	N/A	AG229803 10-25-2024																							

Calibration Adjustment				By <u>IS</u>	
Barometric Pressure Gauge <u>1015</u> ID # <u>28427</u>					
Simulator	Serial #	Lot #	Expiration		
0.000	MP6294	N/A	N/A		
0.040	MP6295	21410	09-30-2023		
0.100	MP6296	22310	08-11-2024		
0.200	MP6297	22050	02-07-2024		
0.300	MP6298	22220	06-15-2024		
0.080 DGS	N/A	08121080A1	05-05-2023		
☒ Post Calibration Adjustment Stability Checks					
Simulator	Serial #	Lot #	Expiration		
0.050	MP6291	202201C	01-11-2024		
0.080	MP6292	202201D	01-18-2024		
0.200	MP6293	202201E	01-18-2024		
0.080 DGS	N/A	AG229803	10-25-2024		
Notes/Suggested Service: <u>0.050 g/210L and wet</u> <u>0.080 g/210L Stability Check results outside nominal</u> <u>range. Optical Bench Calibration Adjustment performed.</u> <u>IS</u>					
Admin Review: <u>Checked "Calibration Adjustment" box</u> <u>under Attachments. IS 03-15-2023</u>					

Department Inspection		By <u>IS</u>	
Barometric Pressure ID# <u>30793</u>			
Gauge <u>1018</u>	Instrument <u>1016</u>		
Mouth Alcohol Solution Lot # <u>2022-A</u>			
Acetone Stock Solution Lot # <u>2022-B</u>			
Simulator	Serial Number		
0.000	MP6289		
Interferent	MP6290		
0.050	MP6291		
0.080	MP6292		
0.200	MP6293		
Attachments			
☒ Form 41 ☒ Stability Checks ☒ Calibration Certificate ☒ Calibration Adjustment IS 03-15-2023		☒ 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			
Taylor Gutschow Digitally signed by Taylor Gutschow Date: 2023.03.13 09:05:48 -0400	Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.03.15 14:45:54 -04'00'		
Tech Review / Date _____		Admin Review / Date _____	

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 12:23

Date of Inspection: 03/08/2023

Serial Number: 80-007484
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	0.049	0.078	0.199	0.080
0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.078	0.198	0.080
0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.078	0.199	0.080
0.000	0.049	0.078	0.199	0.080
0.000	0.050	0.079	0.199	0.080
0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.078	0.199	0.080
0.000	0.049	0.079	0.199	0.080

Standard Deviations	0.0003	0.0005	0.0004	0.0003
---------------------	--------	--------	--------	--------

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 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

03/08/2023
Date

stability checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
03/07/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:03
Control Test	0.047	14:04
Air Blank	0.000	14:05
Control Test	0.047	14:05
Air Blank	0.000	14:06
Control Test	0.046	14:06
Air Blank	0.000	14:07
Control Test Stats		
Average	0.0467	
Std Dev	0.0006	
Rel Std Dev(%)	1.2372	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
03/07/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:08
Control Test	0.076	14:09
Air Blank	0.000	14:09
Control Test	0.076	14:10
Air Blank	0.000	14:11
Control Test	0.076	14:11
Air Blank	0.000	14:12
Control Test Stats		
Average	0.0760	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
03/07/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:14
Control Test	0.197	14:14
Air Blank	0.000	14:15
Control Test	0.197	14:15
Air Blank	0.000	14:16
Control Test	0.197	14:17
Air Blank	0.000	14:17
Control Test Stats		
Average	0.1970	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007484
03/07/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:19
Control Test	0.077	14:19
Air Blank	0.000	14:19
Control Test	0.078	14:20
Air Blank	0.000	14:20
Control Test	0.078	14:21
Air Blank	0.000	14:21
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

Operator's Signature

wet

Dry



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 80-007484, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-007484</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>HILLSBOROUGH CO SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>03/08/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>12:23</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: 2023.03.08
12:46:45 -05'00'

03/08/2023

Date

ISRAEL SOTO,
Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

Optical Bench Calibration Adjustment

HILLSBOROUGH CO SO

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-007484

03/08/2023

07:29:43

Auto Calibration

Max Power Res Value = 75

Auto Range Res Value = 62

Sol Value = 0.000 g/210L ***

Fit value = 0.0000 mg/l %%%

Samples Taken = 4, Discarded = 1

3um Io = 12634, 9um Io = 12866

CHANNEL 1

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	0.0280	(0.0030)
-----------	--------	----------

Sample #2	0.0890	(-0.0260)
-----------	--------	-----------

Sample #3	0.0940	(-0.0210)
-----------	--------	-----------

Sample #4	0.0470	(0.0050)
-----------	--------	----------

Avg % Abs = 0.0767 (-0.0140)

STD DEV = 0.0258 (0.0166)

REL STD DEV = 33.670 (118.881)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	0.0710	(0.0060)
-----------	--------	----------

Sample #2	0.1100	(-0.0200)
-----------	--------	-----------

Sample #3	0.1180	(-0.0170)
-----------	--------	-----------

Sample #4	0.0930	(0.0000)
-----------	--------	----------

Avg % Abs = 0.1070 (-0.0123)

STD DEV = 0.0128 (0.0108)

REL STD DEV = 11.932 (87.452)

Sol Value = 0.040 g/210L ***

Fit value = 0.1905 mg/l %%%

Samples Taken = 4, Discarded = 1

3um Io = 12634, 9um Io = 12865

CHANNEL 1

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	0.8200	(-0.0130)
-----------	--------	-----------

Sample #2	0.7970	(0.0100)
-----------	--------	----------

Sample #3	0.7710	(0.0200)
-----------	--------	----------

Sample #4	0.8090	(0.0060)
-----------	--------	----------

Avg % Abs = 0.7923 (0.0120)

STD DEV = 0.0194 (0.0072)

REL STD DEV = 2.452 (60.093)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	1.4080	(-0.0120)
-----------	--------	-----------

Sample #2	1.3910	(0.0070)
-----------	--------	----------

Sample #3	1.3780	(-0.0030)
-----------	--------	-----------

Sample #4	1.4000	(-0.0070)
-----------	--------	-----------

Avg % Abs = 1.3897 (-0.0010)

STD DEV = 0.0111 (0.0072)

REL STD DEV = 0.796 (721.110)

Sol Value = 0.100 g/210L ***

Fit value = 0.4762 mg/l %%%

Samples Taken = 4, Discarded = 1

3um Io = 12632, 9um Io = 12865

CHANNEL 1

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	1.9130	(-0.0060)
-----------	--------	-----------

Sample #2	1.8820	(-0.0040)
-----------	--------	-----------

Sample #3	1.8690	(0.0150)
-----------	--------	----------

Sample #4	1.9250	(-0.0020)
-----------	--------	-----------

Avg % Abs = 1.8920 (0.0030)

STD DEV = 0.0293 (0.0104)

REL STD DEV = 1.549 (348.010)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	3.3360	(-0.0020)
-----------	--------	-----------

Sample #2	3.3280	(-0.0020)
-----------	--------	-----------

Sample #3	3.3070	(0.0120)
-----------	--------	----------

Sample #4	3.3470	(0.0000)
-----------	--------	----------

Avg % Abs = 3.3273 (0.0033)

STD DEV = 0.0200 (0.0076)

REL STD DEV = 0.601 (227.156)

Sol Value = 0.200 g/210L ***

Fit value = 0.9524 mg/l %%%

Samples Taken = 4, Discarded = 1

3um Io = 12630, 9um Io = 12865

CHANNEL 1

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	3.6650	(-0.0080)
-----------	--------	-----------

Sample #2	3.6120	(0.0240)
-----------	--------	----------

Sample #3	3.6470	(0.0260)
-----------	--------	----------

Sample #4	3.6320	(0.0180)
-----------	--------	----------

Avg % Abs = 3.6303 (0.0227)

STD DEV = 0.0176 (0.0042)

REL STD DEV = 0.484 (18.368)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	6.4030	(-0.0020)
-----------	--------	-----------

Sample #2	6.3510	(0.0300)
-----------	--------	----------

Sample #3	6.3560	(0.0380)
-----------	--------	----------

Sample #4	6.3450	(0.0380)
-----------	--------	----------

Avg % Abs = 6.3507 (0.0353)

STD DEV = 0.0055 (0.0046)

REL STD DEV = 0.087 (13.072)

Sol Value = 0.300 g/210L ***

Fit value = 1.4286 mg/l %%%

Samples Taken = 4, Discarded = 1

3um Io = 12628, 9um Io = 12862

CHANNEL 1

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	5.3730	(-0.0200)
-----------	--------	-----------

Sample #2	5.3580	(-0.0050)
-----------	--------	-----------

Sample #3	5.3150	(0.0220)
-----------	--------	----------

Sample #4	5.3150	(0.0220)
-----------	--------	----------

Avg % Abs = 5.3293 (0.0130)

STD DEV = 0.0248 (0.0156)

REL STD DEV = 0.466 (119.911)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
--------	-------	-------------

Sample #1	9.2670	(0.0000)
-----------	--------	----------

Sample #2	9.2720	(0.0150)
-----------	--------	----------

Sample #3	9.2530	(0.0110)
-----------	--------	----------

Sample #4	9.2560	(0.0190)
-----------	--------	----------

Avg % Abs = 9.2603 (0.0150)

STD DEV = 0.0102 (0.0040)

REL STD DEV = 0.110 (26.667)

***** AUTO CAL DATA *****

CHANNEL 1

Sol Val = 0.0000 mg/l or 0.000 g/210L

% Abs = 0.077

Std Dev = 0.03 Rel Std Dev = 33.67

Sol Val = 0.1905 mg/l or 0.040 g/210L

% Abs = 0.792

Std Dev = 0.02 Rel Std Dev = 2.45

Sol Val = 0.4762 mg/l or 0.100 g/210L

% Abs = 1.892

Std Dev = 0.03 Rel Std Dev = 1.55

Sol Val = 0.9524 mg/l or 0.200 g/210L

% Abs = 3.630

Std Dev = 0.02 Rel Std Dev = 0.48

Sol Val = 1.4286 mg/l or 0.300 g/210L

% Abs = 5.329

Std Dev = 0.02 Rel Std Dev = 0.47

Zero Order Coef = -184.71

First Order Coef = 2578.61

Second Order Coef = 25.69

Standard Deviation = 20.881380

CHANNEL 2

Sol Val = 0.0000 mg/l or 0.000 g/210L

% Abs = 0.107

Std Dev = 0.01 Rel Std Dev = 11.93

Sol Val = 0.1905 mg/l or 0.040 g/210L

% Abs = 1.390

Std Dev = 0.01 Rel Std Dev = 0.80

Sol Val = 0.4762 mg/l or 0.100 g/210L

% Abs = 3.327

Std Dev = 0.02 Rel Std Dev = 0.60

Sol Val = 0.9524 mg/l or 0.200 g/210L

% Abs = 6.351

Std Dev = 0.01 Rel Std Dev = 0.09

Sol Val = 1.4286 mg/l or 0.300 g/210L

% Abs = 9.260

Std Dev = 0.01 Rel Std Dev = 0.11

Zero Order Coef = -144.12

First Order Coef = 1438.20

Second Order Coef = 12.99

Standard Deviation = 18.602844

Optical Bench Calibration Adjustment

Post Stability Checks

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.039	0.0006
0.100	0.101	-0.0005
0.200	0.200	0.0002
0.300	0.300	-0.0000

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0002
0.040	0.039	0.0005
0.100	0.100	-0.0005
0.200	0.200	0.0002
0.300	0.300	-0.0000

Sol Value = 0.080 g/210L ***
 Fit value = 0.3810 mg/l %%%
 Samples Taken = 4, Discarded = 1
 ***** CHANNEL 1
 Sample #1 = 3277.00
 Sample #2 = 3288.00
 Sample #3 = 3291.00
 Sample #4 = 3309.00
 Average Result = 3296.0000
 STD DEV = 11.3578
 REL STD DEV = 0.345

***** CHANNEL 2

Sample #1 = 3436.00
 Sample #2 = 3435.00
 Sample #3 = 3434.00
 Sample #4 = 3420.00
 Average Result = 3429.6667
 STD DEV = 8.3865
 REL STD DEV = 0.245

Dry Gas H2O Adjust Results *****

Barometric Pressure = 1016

3 um H2O Adjust (mg/l*10,000) = 513

9 um H2O Adjust (mg/l*10,000) = 380

**** AUTO CAL PASS

HILLSBOROUGH CO SO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-007484
 03/08/2023
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:11
Control Test	0.048	09:12
Air Blank	0.000	09:12
Control Test	0.048	09:13
Air Blank	0.000	09:14
Control Test	0.048	09:14
Air Blank	0.000	09:15
Control Test Stats		
Average	0.0480	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HILLSBOROUGH CO SO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-007484
 03/08/2023
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:31
Control Test	0.199	09:32
Air Blank	0.000	09:32
Control Test	0.200	09:33
Air Blank	0.000	09:34
Control Test	0.198	09:34
Air Blank	0.000	09:35
Control Test Stats		
Average	0.1990	
Std Dev	0.0010	
Rel Std Dev(%)	0.5025	

Operator's Signature

HILLSBOROUGH CO SO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-007484
 03/08/2023
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:26
Control Test	0.078	09:27
Air Blank	0.000	09:28
Control Test	0.079	09:28
Air Blank	0.000	09:29
Control Test	0.078	09:30
Air Blank	0.000	09:30
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

Operator's Signature

HILLSBOROUGH CO SO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-007484
 03/08/2023
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:38
Control Test	0.080	09:38
Air Blank	0.000	09:39
Control Test	0.080	09:39
Air Blank	0.000	09:40
Control Test	0.080	09:40
Air Blank	0.000	09:40
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

wet

Dry