



Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
4700 Terminal Drive, Suite 1
Ft. Myers, FL 33907

This is to certify the calibration of Intoxilyzer 8000 serial number 80-001139, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001139</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>BROWARD COUNTY SO</u>	0.050 g/ 210 L	0.005
Calibration Date:	<u>02/08/2021</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>11:57</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. Thermometer temperatures are checked with NIST traceable Eutechnics 4400 digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the uses 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.

FDLE/ATP Form 69 January 2021
Issuing Authority: Alcohol Testing Program

02/08/2021

Date

David E Reyes-Rivera

DAVID E REYES-RIVERA,

Department Inspector

Service • Integrity • Respect • Quality

Florida Department of Law Enforcement

Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: BROWARD COUNTY SO
Time of Inspection: 11:57

Date of Inspection: 02/08/2021

Serial Number: 80-001139
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#:202010A Exp: 10/05/2022	0.08g/210L Test (g/210L) Lot#:202010B Exp: 10/05/2022	0.20g/210L Test (g/210L) Lot#:202010D Exp: 10/06/2022	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG003005 Exp: 01/30/2022
0.000	0.048	0.079	0.198	0.080
0.000	0.049	0.079	0.198	0.080
0.000	0.048	0.079	0.199	0.080
0.000	0.048	0.078	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	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.078	0.198	0.079

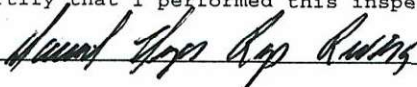
Standard Deviations	0.0005	0.0004	0.0003	0.0005
---------------------	--------	--------	--------	--------

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.



DAVID E REYES-RIVERA

Signature and Printed Name

02/08/2021
Date

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-001139	Broward County Sheriff's Office	2/8/2021	DERR <i>jsa</i>

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 ☒																																																																																																																																																
BROWARD COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 02/08/2021 Software: 8100.27 SN 80-001139 <table><tr><th>Test</th><th>g/210L</th><th>Time</th></tr><tr><td>Air Blank</td><td>0.000</td><td>09:47</td></tr><tr><td>Control Test</td><td>0.049</td><td>09:47</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:48</td></tr><tr><td>Control Test</td><td>0.049</td><td>09:49</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:49</td></tr><tr><td>Control Test</td><td>0.048</td><td>09:50</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:50</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.0487</td><td></td></tr><tr><td>Std Dev</td><td>0.0006</td><td></td></tr><tr><td>Rel Std Dev(%)</td><td>1.1863</td><td></td></tr></table>	Test	g/210L	Time	Air Blank	0.000	09:47	Control Test	0.049	09:47	Air Blank	0.000	09:48	Control Test	0.049	09:49	Air Blank	0.000	09:49	Control Test	0.048	09:50	Air Blank	0.000	09:50	Control Test Stats			Average	0.0487		Std Dev	0.0006		Rel Std Dev(%)	1.1863		BROWARD COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 02/08/2021 Software: 8100.27 SN 80-001139 <table><tr><th>Test</th><th>g/210L</th><th>Time</th></tr><tr><td>Air Blank</td><td>0.000</td><td>09:52</td></tr><tr><td>Control Test</td><td>0.079</td><td>09:52</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:53</td></tr><tr><td>Control Test</td><td>0.078</td><td>09:54</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:54</td></tr><tr><td>Control Test</td><td>0.079</td><td>09:55</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:55</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.0787</td><td></td></tr><tr><td>Std Dev</td><td>0.0006</td><td></td></tr><tr><td>Rel Std Dev(%)</td><td>0.7339</td><td></td></tr></table>	Test	g/210L	Time	Air Blank	0.000	09:52	Control Test	0.079	09:52	Air Blank	0.000	09:53	Control Test	0.078	09:54	Air Blank	0.000	09:54	Control Test	0.079	09:55	Air Blank	0.000	09:55	Control Test Stats			Average	0.0787		Std Dev	0.0006		Rel Std Dev(%)	0.7339		BROWARD COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 02/08/2021 Software: 8100.27 SN 80-001139 <table><tr><th>Test</th><th>g/210L</th><th>Time</th></tr><tr><td>Air Blank</td><td>0.000</td><td>09:56</td></tr><tr><td>Control Test</td><td>0.198</td><td>09:57</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:58</td></tr><tr><td>Control Test</td><td>0.198</td><td>09:58</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:59</td></tr><tr><td>Control Test</td><td>0.199</td><td>09:59</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:00</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.1983</td><td></td></tr><tr><td>Std Dev</td><td>0.0006</td><td></td></tr><tr><td>Rel Std Dev(%)</td><td>0.2911</td><td></td></tr></table>	Test	g/210L	Time	Air Blank	0.000	09:56	Control Test	0.198	09:57	Air Blank	0.000	09:58	Control Test	0.198	09:58	Air Blank	0.000	09:59	Control Test	0.199	09:59	Air Blank	0.000	10:00	Control Test Stats			Average	0.1983		Std Dev	0.0006		Rel Std Dev(%)	0.2911		BROWARD COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 02/08/2021 Software: 8100.27 SN 80-001139 <table><tr><th>Test</th><th>g/210L</th><th>Time</th></tr><tr><td>Air Blank</td><td>0.000</td><td>10:01</td></tr><tr><td>Control Test</td><td>0.079</td><td>10:02</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:02</td></tr><tr><td>Control Test</td><td>0.080</td><td>10:02</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:03</td></tr><tr><td>Control Test</td><td>0.080</td><td>10:03</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:04</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.0797</td><td></td></tr><tr><td>Std Dev</td><td>0.0006</td><td></td></tr><tr><td>Rel Std Dev(%)</td><td>0.7247</td><td></td></tr></table>	Test	g/210L	Time	Air Blank	0.000	10:01	Control Test	0.079	10:02	Air Blank	0.000	10:02	Control Test	0.080	10:02	Air Blank	0.000	10:03	Control Test	0.080	10:03	Air Blank	0.000	10:04	Control Test Stats			Average	0.0797		Std Dev	0.0006		Rel Std Dev(%)	0.7247	
Test	g/210L	Time																																																																																																																																																	
Air Blank	0.000	09:47																																																																																																																																																	
Control Test	0.049	09:47																																																																																																																																																	
Air Blank	0.000	09:48																																																																																																																																																	
Control Test	0.049	09:49																																																																																																																																																	
Air Blank	0.000	09:49																																																																																																																																																	
Control Test	0.048	09:50																																																																																																																																																	
Air Blank	0.000	09:50																																																																																																																																																	
Control Test Stats																																																																																																																																																			
Average	0.0487																																																																																																																																																		
Std Dev	0.0006																																																																																																																																																		
Rel Std Dev(%)	1.1863																																																																																																																																																		
Test	g/210L	Time																																																																																																																																																	
Air Blank	0.000	09:52																																																																																																																																																	
Control Test	0.079	09:52																																																																																																																																																	
Air Blank	0.000	09:53																																																																																																																																																	
Control Test	0.078	09:54																																																																																																																																																	
Air Blank	0.000	09:54																																																																																																																																																	
Control Test	0.079	09:55																																																																																																																																																	
Air Blank	0.000	09:55																																																																																																																																																	
Control Test Stats																																																																																																																																																			
Average	0.0787																																																																																																																																																		
Std Dev	0.0006																																																																																																																																																		
Rel Std Dev(%)	0.7339																																																																																																																																																		
Test	g/210L	Time																																																																																																																																																	
Air Blank	0.000	09:56																																																																																																																																																	
Control Test	0.198	09:57																																																																																																																																																	
Air Blank	0.000	09:58																																																																																																																																																	
Control Test	0.198	09:58																																																																																																																																																	
Air Blank	0.000	09:59																																																																																																																																																	
Control Test	0.199	09:59																																																																																																																																																	
Air Blank	0.000	10:00																																																																																																																																																	
Control Test Stats																																																																																																																																																			
Average	0.1983																																																																																																																																																		
Std Dev	0.0006																																																																																																																																																		
Rel Std Dev(%)	0.2911																																																																																																																																																		
Test	g/210L	Time																																																																																																																																																	
Air Blank	0.000	10:01																																																																																																																																																	
Control Test	0.079	10:02																																																																																																																																																	
Air Blank	0.000	10:02																																																																																																																																																	
Control Test	0.080	10:02																																																																																																																																																	
Air Blank	0.000	10:03																																																																																																																																																	
Control Test	0.080	10:03																																																																																																																																																	
Air Blank	0.000	10:04																																																																																																																																																	
Control Test Stats																																																																																																																																																			
Average	0.0797																																																																																																																																																		
Std Dev	0.0006																																																																																																																																																		
Rel Std Dev(%)	0.7247																																																																																																																																																		
<i>jsa</i> Operator's Signature	<i>jsa</i> Operator's Signature	<i>jsa</i> Operator's Signature	<i>jsa</i> Operator's Signature																																																																																																																																																

BROWARD COUNTY SO
Intoxilyzer - Alconox Analyzer
Model 8000 SN 80-001139
02/08/2021
Software: 8100.27

Flow Rate Calibration*****
1: Rate (Liters/min) = 5
SORT(Diff)) = 3.316
2: Rate (Liters/min) = 15
SORT(Diff)) = 8.773
3: Rate (Liters/min) = 30
SORT(Diff)) = 19.848
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 582
Rounded Intercept = 81257
Correlation = 0.99690

Flow Calibration	
SN:	80-001139
Agency:	Broward County Sheriff's Office
Date:	2/8/2021
By:	DERR <i>[Signature]</i>