# INSTRUMENT PROCESSING SHEET

Florida Department of Law Enforcement

Agency Miami-Dade Police Department S/N 80-005551

Date In 8/16/2021 DI Completion Date 8/17/2021 ■Ship ☐P/U ☐H/D ☐CMI ☐EE

## Intake By DERR

- ■ 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: After replacing the battery to the instrument, I conducted pre-stabilities and received a purge fail. I opened the instrument to check connections, nothing was noted. Ran pre-stabilities and again got a purge fail. I opened the instrument again and noticed a tubing to the exhaust block had come undone. Corrected it and checked again. DERR

## Quality Checks By DER Date 8/17/2021

- ■ Breath Tube Screen
- ■ Replace External O-Rings
- ■ Instrument Set Up Verified
- ■ R-Value 126
- ■ Flow Verification (L/s)

Flow Column # ATP104

| | | |
|---|---|---|
| 32 mm | 0.125 | (.139 - .169) |
| 36 mm | 0.148 | (.156 - .190) |
| 53 mm | 0.222 | (.228 - .278) |
| 103 mm | 0.496 | (.447 - .547) |

- ■ Barometric Pressure Check

Gauge ID # 28663

- ■ Stability Checks

| Simulator | Serial # | Lot #/Exp |
|---|---|---|
| 0.050 | SD3967 | 202010A<br>10/05/2022 |
| 0.080 | SD3968 | 202010B<br>10/05/2022 |
| 0.200 | SD3969 | 202010D<br>10/06/2022 |
| 0.080 DGS | N/A | AG026705<br>09/23/2022 |

## Flow Calibration By DER Date 8/17/2021

Flow Column # ATP106

- ■ 5L/min – 17mm
- ■ 15L/min – 53mm
- ■ 30L/min – 103mm
- ■ R-Value 127
- ■ Post Calibration Verification (L/s)

Flow Column # ATP104

| | | |
|---|---|---|
| 32 mm | 0.140 | (.139 - .169) |
| 36 mm | 0.167 | (.156 - .190) |
| 53 mm | 0.242 | (.228 - .278) |
| 103 mm | 0.507 | (.447 - .547) |

## Maintenance By DERR

- ■ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ■ Other Internal Printer Paper Repl.

## DI Temp. Checks By DERR

- ■ Lab Temp °C 21.56C

External Digital Therm. ID#: 300503

- ■ 34°C +-.2 Serial #: SD3967
- ■ 34°C +-.2 Serial #: SD3968
- ■ 34°C +-.2 Serial #: SD3969

## 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 | | |

## Department Inspection By DERR

Barometric Pressure ID# 28199

Gauge 1015 Instrument 1007

Mouth Alcohol Solution Lot # 2021-A

Acetone Stock Solution Lot # 2020-A

| Simulator | Serial Number |
|---|---|
| 0.000 | SD3965 |
| Interferent | SD3966 |
| 0.050 | SD3967 |
| 0.080 | SD3968 |
| 0.200 | SD3969 |

## Attachments

- ■ Form 41
- ■ Stability Checks
- ■ Calibration Certificate
- ☐ Calibration Adjustment
- ☐ Post-Stability Checks
- ■ Flow Calibration
- ☐ Form 40
- ■ Other Pre-stabilities

Notes/Suggested Service: During the attachment of the DGS, the instrument was accidentally turned off and had to be restarted to complete the stabilities checks. This was due to the gas shelf being slightly bent and making the dry gas rubbing the power cord as it is connected. DERR.

Check-mark on "Flow calibration" and "Other" added after Technical review recommendation. DERR 8/17/21

- ■ **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: 2021.08.17 12:07:08 -04'00' 2021.08.19 12:36:38 -04'00'

Tech Review / Date Admin Review / Date

# 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 80-005551 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

| | | | |
|---|---|---|---|
| Serial Number: | 80-005551 | | UNCERTAINTY* ± |
| Owning Agency: | MIAMI DADE PD | 0.050 g/ 210 L | 0.005 |
| Calibration Date: | 08/17/2021 | 0.080 g/ 210 L | 0.004 |
| Calibration Time: | 11:15 | 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.

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without written approval of the Florida Department of
Law Enforcement Alcohol Testing Program.

08/17/2021
Date

DAVID E REYES-RIVERA,
Department Inspector

# Florida Department of Law Enforcement
# Alcohol Testing Program

## DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MIAMI DADE PD
Serial Number: 80-005551
Time of Inspection: 11:15
Date of Inspection: 08/17/2021
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#:AG026705 Exp: 09/23/2022 |
|---|---|---|---|---|
| 0.000 | 0.048 | 0.081 | 0.200 | 0.079 |
| 0.000 | 0.049 | 0.081 | 0.200 | 0.079 |
| 0.000 | 0.049 | 0.081 | 0.200 | 0.079 |
| 0.000 | 0.049 | 0.081 | 0.201 | 0.078 |
| 0.000 | 0.049 | 0.081 | 0.201 | 0.079 |
| 0.000 | 0.050 | 0.081 | 0.200 | 0.079 |
| 0.000 | 0.049 | 0.081 | 0.201 | 0.079 |
| 0.000 | 0.049 | 0.082 | 0.201 | 0.079 |
| 0.000 | 0.050 | 0.081 | 0.201 | 0.079 |
| 0.000 | 0.050 | 0.081 | 0.201 | 0.079 |

| Standard Deviations | 0.0006 | 0.0003 | 0.0005 | 0.0003 |
|---|---|---|---|---|

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 ( X ) 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

08/17/2021
Date

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
08/17/2021
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff) ) = 6.242
2: Rate (Liters/min) = 15
SQRT(Diff) ) = 10.953
3: Rate (Liters/min) = 30
SQRT(Diff) ) = 20.074
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 697
Rounded Intercept = -551267
Correlation = 0.99775

| Flow Calibration | |
|---|---|
| **SN:** | 80-005551 |
| **Agency:** | Miami-Dade Police Department |
| **Date:** | 8/17/2021 |
| **By:** | DERR |

| Type of Test | Serial Number | Agency | Date | Performed By |
|---|---|---|---|---|
| Stabilities | 80-005551 | Miami-Dade Police Department | 8/17/2021 | DERR |

## 0.05g/210L

**0.047 to 0.053** ✓

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
08/17/2021
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 09:08 |
| Control Test | 0.049 | 09:09 |
| Air Blank | 0.000 | 09:09 |
| Control Test | 0.048 | 09:10 |
| Air Blank | 0.000 | 09:11 |
| Control Test | 0.048 | 09:11 |
| Air Blank | 0.000 | 09:12 |

Control Test Stats

| | |
|---|---|
| Average | 0.0483 |
| Std Dev | 0.0006 |
| Rel Std Dev(%) | 1.1945 |

Operator's Signature

## 0.08g/210L

**0.077 to 0.083** ✓

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
08/17/2021
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 09:13 |
| Control Test | 0.079 | 09:14 |
| Air Blank | 0.000 | 09:14 |
| Control Test | 0.079 | 09:15 |
| Air Blank | 0.000 | 09:16 |
| Control Test | 0.078 | 09:17 |
| Air Blank | 0.000 | 09:17 |

Control Test Stats

| | |
|---|---|
| Average | 0.0787 |
| Std Dev | 0.0006 |
| Rel Std Dev(%) | 0.7339 |

Operator's Signature

## 0.20g/210L

**0.194 to 0.206** ✓

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
08/17/2021
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 09:18 |
| Control Test | 0.199 | 09:19 |
| Air Blank | 0.000 | 09:20 |
| Control Test | 0.197 | 09:20 |
| Air Blank | 0.000 | 09:21 |
| Control Test | 0.199 | 09:22 |
| Air Blank | 0.000 | 09:22 |

Control Test Stats

| | |
|---|---|
| Average | 0.1983 |
| Std Dev | 0.0012 |
| Rel Std Dev(%) | 0.5822 |

Operator's Signature

## DGS 0.08g/210L

**0.077 to 0.083** ✓

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
08/17/2021
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 09:31 |
| Control Test | 0.078 | 09:31 |
| Air Blank | 0.000 | 09:32 |
| Control Test | 0.078 | 09:32 |
| Air Blank | 0.000 | 09:33 |
| Control Test | 0.078 | 09:33 |
| Air Blank | 0.000 | 09:34 |

Control Test Stats

| | |
|---|---|
| Average | 0.0780 |
| Std Dev | 0.0000 |
| Rel Std Dev(%) | 0.0000 |

Operator's Signature

| Type of Test | Serial Number | Agency | Date | Performed By |
|---|---|---|---|---|
| Pre-Stabilities | 80-005551 | Miami-Dade Police Department | 8/17/2021 | DERR |

| 0.05g/210L | | | |
|---|---|---|---|
| 0.047 to 0.053 ☒ | ☒ | ✓ | ☐ |

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
08/17/2021
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 06:58 |
| Control Test | 0.051 | 06:59 |
| Air Blank | PUR* | 06:59 |
| Air Blank | [illegible] | 07:00 |

*Purge Fail

Operator's Signature

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
08/17/2021
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 07:52 |
| Control Test | 0.017 | 07:52 |
| Air Blank | PUR* | 07:53 |
| Air Blank | PUR* | 07:54 |

*Purge Fail

Operator's Signature

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
08/17/2021
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 09:03 |
| Control Test | 0.048 | 09:04 |
| Air Blank | 0.000 | 09:04 |
| Control Test | 0.048 | 09:05 |
| Air Blank | 0.000 | 09:06 |
| Control Test | 0.048 | 09:07 |
| Air Blank | 0.000 | 09:07 |

Control Test Stats

| | |
|---|---|
| Average | 0.0480 |
| Std Dev | 0.0000 |
| Rel Std Dev(%) | 0.0000 |

Operator's Signature

Checked stabilities after replacing the battery. Received a couple of purge fails. Turned off instrument and checked connectors. Turned instrument on and tried again, received purge fails again. Turned off the instrument and checked connectors again, noticed that the tubing from the exhaust block had come lose from the connector. Attached tubing and reassembled the instrument. Conducted verification stability, instrument performed properly. Continued with quality checks. DERR