FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Miami-Dade Police Department S/N 80-000884

Date In 1/29/2018 DI Completion Date 01/31/2018 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By DELL

- ☑ 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:

Final Release Date

FDLE

FEB 12 2018

Alcohol Testing Program

Quality Checks Performed By DELL

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 176
- ☑ Flow Verification (L/s)

Flow Column # ATP 101

32 mm	.117	(.139 - .169)
36 mm	.136	(.156 - .190)
53 mm	.214	(.228 - .278)
103 mm	.496	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28663

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD3967	201707D
		07/25/2019
0.080	SD3968	201707E
		07/25/2019
0.200	SD3969	201707C
		07/24/2019
0.080 DGS	N/A	AG626604
		09/22/2018

Flow Calibration Performed By DELL

Flow Column # ATP104

- ☑ 5L/min – 17mm
- ☑ 15L/min – 53mm
- ☑ 30L/min – 103mm
- ☑ R-Value 173
- ☑ Post Calibration Verification (L/s)

Flow Column # ATP101

32 mm	.148	(.139 - .169)
36 mm	.167	(.156 - .190)
53 mm	.238	(.228 - .278)
103 mm	.507	(.447 - .547)

Maintenance Performed By

- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other

Temperature Checks Performed By DELL

- ☑ Lab Temp °C 22.13c

External Digital Therm. ID#: 300918

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

Calibration Adjustment Performed By DELL

Barometric Pressure Gauge 1022 ID # 28199

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2236	16320	10/21/2018
0.100	2237	17060	02/14/2019
0.200	2238	17090	02/24/2019
0.300	2239	16410	12/19/2018
0.080 DGS	N/A	34416080A2	02/05/2019

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD3967	201707D	07/25/2019
0.080	SD3968	201707E	07/25/2019
0.200	SD3969	201707C	07/24/2019
0.080 DGS	N/A	AG626604	09/22/2018

Department Inspection Performed By DELL

Barometric Pressure ID# 68639

Gauge 1023 Instrument 1024

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2017-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

Notes/Suggested Service: E-mailed
Barometric pressure outside acceptable range.
Calibrated to bring values closer to nominal.

☑ APPROVED

- ☑ **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**

2/8/18 Tech Review / Date

2/12/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MIAMI-DADE PD
Time of Inspection: 08:53
Date of Inspection: 01/31/2018
Serial Number: 80-000884
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#:201707D Exp: 07/25/2019	0.08g/210L Test (g/210L) Lot#:201707E Exp: 07/25/2019	0.20g/210L Test (g/210L) Lot#:201707C Exp: 07/24/2019	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG626604 Exp: 09/22/2018
0.000	0.050	0.081	0.202	0.079
0.000	0.050	0.081	0.202	0.079
0.000	0.050	0.081	0.202	0.079
0.000	0.050	0.082	0.202	0.079
0.000	0.050	0.081	0.201	0.079
0.000	0.050	0.082	0.201	0.079
0.000	0.050	0.081	0.202	0.079
0.000	0.050	0.082	0.202	0.079
0.000	0.050	0.081	0.202	0.079
0.000	0.050	0.081	0.203	0.078
Standard Deviations	0.0000	0.0004	0.0005	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 (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

01/31/2018
Date

FDLE/ATP Form 41 –Revised August 2005

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-000884	Miami-Dade Police Department	01/31/2018	

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.05c	SN: SD3968 Temp: 34.00c	SN: SD3969 Temp:34.07c	Lot AG626604
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☑	0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:04
Control Test	0.049	06:04
Air Blank	0.000	06:05
Control Test	0.049	06:05
Air Blank	0.000	06:06
Control Test	0.049	06:07
Air Blank	0.000	06:07

Control Test Stats

Average	0.0490
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:08
Control Test	0.080	06:09
Air Blank	0.000	06:09
Control Test	0.080	06:10
Air Blank	0.000	06:11
Control Test	0.080	06:11
Air Blank	0.000	06:12

Control Test Stats

Average	0.0800
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:13
Control Test	0.198	06:14
Air Blank	0.000	06:14
Control Test	0.198	06:15
Air Blank	0.000	06:15
Control Test	0.200	06:16
Air Blank	0.000	06:17

Control Test Stats

Average	0.1987
Std Dev	0.0012
Rel Std Dev(%)	0.5812

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:18
Control Test	0.081	06:18
Air Blank	0.000	06:19
Control Test	0.081	06:19
Air Blank	0.000	06:20
Control Test	0.081	06:20
Air Blank	0.000	06:20

Control Test Stats

Average	0.0810
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

2/1/18

FDLE

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 80-000884 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-000884
Owning Agency:	MIAMI-DADE PD
Calibration Date:	01/31/2018
Calibration Time:	08:53

	UNCERTAINTY* ±
0.05 g/ 210 L	0.004
0.08 g/ 210 L	0.005
0.20 g/ 210 L	0.008
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 Tartget Alcohol concentration.
*Uncertainty is based on fleet-wide data and is expressed to a 99% level of confidence (k=3).

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.

01/31/2018
Date

DAVID E REYES-RIVERA,
Department Inspector

2/12/18

MIAMI-DADE PD
Intoxilyzer - Alconol Analyzer
Model 8000 SN 80-000884
01/31/2018 06:22:51

Auto Calibration
Max Power Res Value = 51
Auto Range Res Value = 30

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12224, 9um Io = 14284

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0980	(0.0000)
Sample #2 =	0.1240	(0.0230)
Sample #3 =	0.0810	(0.0740)
Sample #4 =	0.0930	(0.0780)

Avg % Abs = 0.0993 (0.0583)
STD DEV = 0.0222 (0.0307)
REL STD DEV = 22.338 (52.568)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1150	(-0.0060)
Sample #2 =	0.1120	(0.0000)
Sample #3 =	0.1200	(0.0060)
Sample #4 =	0.1210	(0.0050)

Avg % Abs = 0.1177 (0.0037)
STD DEV = 0.0049 (0.0032)
REL STD DEV = 4.192 (87.670)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12210, 9um Io = 14278

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7440	(-0.0070)
Sample #2 =	0.7810	(-0.0030)
Sample #3 =	0.7700	(0.0160)
Sample #4 =	0.7660	(0.0360)

Avg % Abs = 0.7723 (0.0163)
STD DEV = 0.0078 (0.0195)
REL STD DEV = 1.006 (119.401)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4600	(-0.0110)
Sample #2 =	1.4960	(-0.0310)
Sample #3 =	1.4810	(-0.0180)
Sample #4 =	1.4990	(-0.0080)

Avg % Abs = 1.4920 (-0.0190)
STD DEV = 0.0096 (0.0115)
REL STD DEV = 0.646 (60.698)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12203, 9um Io = 14276

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7860	(-0.0110)
Sample #2 =	1.8460	(-0.0270)
Sample #3 =	1.8470	(-0.0120)
Sample #4 =	1.8100	(0.0170)

Avg % Abs = 1.8343 (-0.0073)
STD DEV = 0.0211 (0.0224)
REL STD DEV = 1.149 (305.020)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5790	(-0.0070)
Sample #2 =	3.6370	(-0.0230)
Sample #3 =	3.6280	(-0.0140)
Sample #4 =	3.6060	(0.0100)

Avg % Abs = 3.6237 (-0.0090)
STD DEV = 0.0159 (0.0171)
REL STD DEV = 0.440 (189.541)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12199, 9um Io = 14272

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4500	(-0.0080)
Sample #2 =	3.4540	(0.0050)
Sample #3 =	3.4440	(0.0150)
Sample #4 =	3.4760	(0.0130)

Avg % Abs = 3.4580 (0.0110)
STD DEV = 0.0164 (0.0053)
REL STD DEV = 0.473 (48.105)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8370	(-0.0130)
Sample #2 =	6.8710	(-0.0120)
Sample #3 =	6.8450	(0.0000)
Sample #4 =	6.8660	(0.0040)

Avg % Abs = 6.8607 (-0.0027)
STD DEV = 0.0138 (0.0083)
REL STD DEV = 0.201 (312.250)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12195, 9um Io = 14271

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.0960	(-0.0120)
Sample #2 =	5.1270	(-0.0110)
Sample #3 =	5.0870	(0.0050)
Sample #4 =	4.9360	(0.1640)

Avg % Abs = 5.0500 (0.0527)
STD DEV = 0.1007 (0.0967)
REL STD DEV = 1.995 (183.700)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.0210	(-0.0080)
Sample #2 =	10.0490	(-0.0010)
Sample #3 =	9.9870	(0.0050)
Sample #4 =	9.7120	(0.3150)

Avg % Abs = 9.9160 (0.1063)
STD DEV = 0.1794 (0.1807)
REL STD DEV = 1.809 (169.971)

Verified correction with D.I. Reyes. 2/12/18 JD 2/12/18 JD 2/12/18 JD

2nd Optical Calibration ~~Page 2~~
SN: 80-000884
Agency: Miami-Dade PD
Date: 1/31/2018
Quadratic Fit: +/-0.002g/210L
By: Dell

2/12/18 JD

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

<<<<< CHANNEL 1 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.099
Std Dev = 0.02 Rel Std Dev = 22.34
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.772
Std Dev = 0.01 Rel Std Dev = 1.01
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.834
Std Dev = 0.02 Rel Std Dev = 1.15
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.458
Std Dev = 0.02 Rel Std Dev = 0.47
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.050
Std Dev = 0.10 Rel Std Dev = 1.99
Zero Order Coef = -246.56
First Order Coef = 2688.15
Second Order Coef = 37.74
Standard Deviation = 39.481247

<<<<< CHANNEL 2 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.118
Std Dev = 0.00 Rel Std Dev = 4.19
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.492
Std Dev = 0.01 Rel Std Dev = 0.65
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.624
Std Dev = 0.02 Rel Std Dev = 0.44
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.861
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.916
Std Dev = 0.18 Rel Std Dev = 1.81
Zero Order Coef = -125.16
First Order Coef = 1301.27
Second Order Coef = 15.30
Standard Deviation = 33.958138

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0004
0.040	0.039	0.0011
0.100	0.101	-0.0010
0.200	0.200	0.0005
0.300	0.300	-0.0011

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0006
0.040	0.039	0.0011
0.100	0.101	-0.0006
0.200	0.200	0.0000
0.300	0.300	0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1

Sample	
Sample #1 =	3165.00
Sample #2 =	3201.00
Sample #3 =	3182.00
Sample #4 =	3221.00

Average Result = 3201.3333
STD DEV = 19.5021
REL STD DEV = 0.609
****
***** CHANNEL 2

Sample	
Sample #1 =	3443.00
Sample #2 =	3456.00
Sample #3 =	3456.00
Sample #4 =	3476.00

Average Result = 3462.6667
STD DEV = 11.5470
REL STD DEV = 0.333
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1024
3 um H2O Adjust (mg/l*10,000) = 608
9 um H2O Adjust (mg/l*10,000) = 347
**** AUTO CAL PASS

RSM

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-000884	Miami-Dade Police Department	1/31/2018	

0.05g/210L

SN: SD3967 Temp: 34.05c

0.047 to 0.053 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:04
Control Test	0.049	07:04
Air Blank	0.000	07:05
Control Test	0.050	07:06
Air Blank	0.000	07:06
Control Test	0.050	07:07
Air Blank	0.000	07:07

Control Test Stats

Average	0.0497
Std Dev	0.0006
Rel Std Dev(%)	1.1625

Operator's Signature

2/2/18 SD

0.08g/210L

SN: SD3968 Temp: 34.00c

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:08
Control Test	0.081	07:09
Air Blank	0.000	07:10
Control Test	0.081	07:10
Air Blank	0.000	07:11
Control Test	0.081	07:12
Air Blank	0.000	07:12

Control Test Stats

Average	0.0810
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.20g/210L

SN: SD3969 Temp: 34.07c

0.194 to 0.206 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:13
Control Test	0.201	07:14
Air Blank	0.000	07:14
Control Test	0.201	07:15
Air Blank	0.000	07:16
Control Test	0.201	07:16
Air Blank	0.000	07:17

Control Test Stats

Average	0.2010
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

DGS 0.08g/210L

AG626604

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:19
Control Test	0.079	07:19
Air Blank	0.000	07:20
Control Test	0.080	07:20
Air Blank	0.000	07:20
Control Test	0.079	07:21
Air Blank	0.000	07:21

Control Test Stats

Average	0.0793
Std Dev	0.0006
Rel Std Dev(%)	0.7277

Operator's Signature

PSGM

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Flow calibration	80-000884	Miami-Dade Police Department	01/29/2018	DEAR

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
01/29/2018
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.751
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.458
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.560
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 695
Rounded Intercept = -641307
Correlation = 0.99764

2/2/18 SD