INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Orange County SO S/N 80-001258

Date In 02/26/2019 DI Completion Date 3/4/19 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By JE

- ☑ 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

MAR 05 2019

Alcohol Testing Program

Quality Checks Performed By JE

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 179
- ☑ Flow Verification (L/s)

Flow Column # ATP105

32 mm	.160	(.139 - .169)
36 mm	.179	(.156 - .190)
53 mm	.242	(.228 - .278)
103 mm	.511	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28421

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1012	201707D
		07/25/2019
0.080	DR1279	201707E
		07/25/2019
0.200	DR3856	201707C
		07/24/2019
0.080 DGS	N/A	AG805701
		2/24/20

Flow Calibration Performed By _____

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)

Maintenance Performed By _____

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

Temperature Checks Performed By JE

- ☑ Lab Temp °C 21.8

External Digital Therm. ID#: 300503

- ☑ 34°C +-.2 Serial #: SD1012
- ☑ 34°C +-.2 Serial #: DR1279
- ☑ 34°C +-.2 Serial #: DR3856

Calibration Adjustment Performed By JE

Barometric Pressure Gauge 1015 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	SD1022	17410	12/6/19
0.100	SD3964	18070	2/26/20
0.200	SD1025	19040	1/29/21
0.300	SD1024	18110	4/2/20
0.080 DGS	N/A	1781708042	8/5/19

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1012	201707D	7/25/19
0.080	DR1279	201707E	7/25/19
0.200	DR3856	201707C	7/24/19
0.080 DGS	N/A	AG805701	2/24/20

Department Inspection Performed By JE

Barometric Pressure ID# 28427

Gauge 1015 Instrument 1015

Mouth Alcohol Solution Lot # 2018-B

Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G2408
Interferent	G2882
0.050	SD1012
0.080	DR1279
0.200	DR3856

Attachments

- ☑ Form 41
- ☑ Stability Checks
- ☑ Calibration Certificate
- ☑ Calibration Adjustment
- ☑ Post-Stability Checks
- ☐ Flow Calibration
- ☐ Form 40
- ☐ Other _____

Notes/Suggested Service: Calibration adjustment performed due to barometric senor not being within 1% (Instrumnt: 1002/ Pressure gauge: 1013). JE 3/4/19

- ☑ **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**

PJM 3/5/19 Tech Review / Date

Brett Kirkland 3/5/19 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: ORANGE COUNTY S.O.
Time of Inspection: 12:45
Date of Inspection: 03/04/2019
Serial Number: 80-001258
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#:AG805701 Exp: 02/26/2020
0.000	0.049	0.079	0.197	0.079
0.000	0.049	0.079	0.197	0.078
0.000	0.048	0.079	0.197	0.078
0.000	0.049	0.080	0.197	0.078
0.000	0.049	0.080	0.197	0.078
0.000	0.048	0.080	0.196	0.079
0.000	0.048	0.080	0.197	0.078
0.000	0.048	0.079	0.198	0.078
0.000	0.049	0.079	0.199	0.078
0.000	0.048	0.079	0.199	0.078
Standard Deviations	0.0005	0.0005	0.0009	0.0004

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 Number of Simulators Used: 5

Remarks:

PJ 000
BK 3/5/19

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.

TJ Graham

THOMAS J GRAHAM
Signature and Printed Name

03/04/2019
Date

FDLE/ATP Form 41 –Revised August 2005

80-001258 Stability Checks

3/4/19

JD

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:50
Control Test	0.049	08:50
Air Blank	0.000	08:51
Control Test	0.049	08:52
Air Blank	0.000	08:52
Control Test	0.049	08:53
Air Blank	0.000	08:53
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

JD
Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:31
Control Test	0.080	08:32
Air Blank	0.000	08:32
Control Test	0.081	08:33
Air Blank	0.000	08:34
Control Test	0.080	08:34
Air Blank	0.000	08:35
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

JD
Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:37
Control Test	0.198	08:38
Air Blank	0.000	08:38
Control Test	0.198	08:39
Air Blank	0.000	08:40
Control Test	0.199	08:40
Air Blank	0.000	08:41
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

JD
Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:44
Control Test	0.079	08:44
Air Blank	0.000	08:44
Control Test	0.080	08:45
Air Blank	0.000	08:45
Control Test	0.079	08:46
Air Blank	0.000	08:46
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

JD
Operator's Signature

PGM

BK 3/5/19

Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
2729 Fort Knox Blvd.
Bldg. 2, Suite 1300
Tallahassee, FL 32308

This is to certify the calibration of Intoxilyzer 8000 serial number 80-001258 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-001258
Owning Agency:	ORANGE COUNTY S.O.
Calibration Date:	03/04/2019
Calibration Time:	12:45

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.004
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).

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.

03/04/2019
Date

THOMAS J GRAHAM,
Department Inspector

RJM BK 3/5/19

80-001258
3/4/19 Calibration Adjustment
JD

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019 09:30:08

Auto Calibration
Max Power Res Value = 34
Auto Range Res Value = 25

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12825, 9um Io = 13506

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0650	(-0.0030)
Sample #2 =	0.0810	(0.0140)
Sample #3 =	0.0760	(0.0170)
Sample #4 =	0.0900	(0.0500)

Avg % Abs = 0.0823 (0.0270)
STD DEV = 0.0071 (0.0200)
REL STD DEV = 8.617 (73.981)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1150	(-0.0040)
Sample #2 =	0.1300	(0.0020)
Sample #3 =	0.1340	(-0.0010)
Sample #4 =	0.1250	(0.0080)

Avg % Abs = 0.1297 (0.0030)
STD DEV = 0.0045 (0.0046)
REL STD DEV = 3.478 (152.753)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12818, 9um Io = 13504

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7830	(-0.0190)
Sample #2 =	0.7510	(0.0230)
Sample #3 =	0.7910	(0.0120)
Sample #4 =	0.7760	(0.0110)

Avg % Abs = 0.7727 (0.0153)
STD DEV = 0.0202 (0.0067)
REL STD DEV = 2.615 (43.424)

PGM BK 3/5/19

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4740	(-0.0140)
Sample #2 =	1.4690	(-0.0110)
Sample #3 =	1.4690	(-0.0010)
Sample #4 =	1.4530	(-0.0020)

Avg % Abs = 1.4637 (-0.0047)
STD DEV = 0.0092 (0.0055)
REL STD DEV = 0.631 (118.019)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12814, 9um Io = 13504

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7330	(-0.0010)
Sample #2 =	1.7490	(0.0160)
Sample #3 =	1.7740	(0.0200)
Sample #4 =	1.7690	(0.0100)

Avg % Abs = 1.7640 (0.0153)
STD DEV = 0.0132 (0.0050)
REL STD DEV = 0.750 (32.825)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4080	(-0.0100)
Sample #2 =	3.4140	(0.0140)
Sample #3 =	3.4500	(0.0050)
Sample #4 =	3.4350	(-0.0070)

Avg % Abs = 3.4330 (0.0040)
STD DEV = 0.0181 (0.0105)
REL STD DEV = 0.527 (263.391)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12809, 9um Io = 13502

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.3660	(-0.0090)
Sample #2 =	3.4050	(-0.0020)
Sample #3 =	3.4080	(-0.0080)
Sample #4 =	3.4290	(0.0060)

Avg % Abs = 3.4140 (-0.0013)
STD DEV = 0.0131 (0.0070)
REL STD DEV = 0.383 (526.783)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5330	(-0.0090)
Sample #2 =	6.5590	(0.0020)
Sample #3 =	6.6030	(0.0030)
Sample #4 =	6.5960	(0.0290)

Avg % Abs = 6.5860 (0.0113)
STD DEV = 0.0236 (0.0153)
REL STD DEV = 0.359 (135.070)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12807, 9um Io = 13498

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	4.9420	(-0.0080)
Sample #2 =	5.0010	(0.0040)
Sample #3 =	4.9760	(0.0160)
Sample #4 =	5.0010	(-0.0040)

Avg % Abs = 4.9927 (0.0060)
STD DEV = 0.0144 (0.0111)
REL STD DEV = 0.289 (185.592)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.5060	(-0.0140)
Sample #2 =	9.5650	(-0.0110)
Sample #3 =	9.5290	(0.0170)
Sample #4 =	9.5440	(-0.0020)

Avg % Abs = 9.5460 (0.0013)
STD DEV = 0.0181 (0.0143)
REL STD DEV = 0.189 (1072.089)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.082
Std Dev = 0.01 Rel Std Dev = 8.62
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.773
Std Dev = 0.02 Rel Std Dev = 2.62
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.764
Std Dev = 0.01 Rel Std Dev = 0.75
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.414
Std Dev = 0.01 Rel Std Dev = 0.38
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 4.993
Std Dev = 0.01 Rel Std Dev = 0.29
Zero Order Coef = -231.75
First Order Coef = 2766.67
Second Order Coef = 28.05
Standard Deviation = 18.162060

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.130
Std Dev = 0.00 Rel Std Dev = 3.48
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.464
Std Dev = 0.01 Rel Std Dev = 0.63
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.433
Std Dev = 0.02 Rel Std Dev = 0.53
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.586
Std Dev = 0.02 Rel Std Dev = 0.36
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.546
Std Dev = 0.02 Rel Std Dev = 0.19
Zero Order Coef = -167.79
First Order Coef = 1387.70
Second Order Coef = 13.16
Standard Deviation = 14.496857

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0001
0.040	0.040	-0.0004
0.100	0.099	0.0005
0.200	0.200	-0.0004
0.300	0.300	0.0001

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0003
0.100	0.100	0.0002
0.200	0.200	-0.0004
0.300	0.300	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3241.00
Sample #2 = 3398.00
Sample #3 = 3174.00
Sample #4 = 3154.00
Average Result = 3242.0000
STD DEV = 135.4696
REL STD DEV = 4.179
****
***** CHANNEL 2
Sample #1 = 3442.00
Sample #2 = 3472.00
Sample #3 = 3455.00
Sample #4 = 3402.00
Average Result = 3443.0000
STD DEV = 36.5103
REL STD DEV = 1.060
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1015
3 um H2O Adjust (mg/l*10,000) = 567
9 um H2O Adjust (mg/l*10,000) = 366
**** AUTO CAL PASS

80-001258 Post Stabilities

3/4/19

JD

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:11
Control Test	0.050	10:11
Air Blank	0.000	10:12
Control Test	0.050	10:13
Air Blank	0.000	10:13
Control Test	0.050	10:14
Air Blank	0.000	10:14
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

JD
Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:15
Control Test	0.081	10:16
Air Blank	0.000	10:16
Control Test	0.080	10:17
Air Blank	0.000	10:18
Control Test	0.080	10:18
Air Blank	0.000	10:19
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

JD
Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:25
Control Test	0.198	10:26
Air Blank	0.000	10:26
Control Test	0.198	10:27
Air Blank	0.000	10:28
Control Test	0.198	10:28
Air Blank	0.000	10:29
Control Test Stats		
Average	0.1980	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

JD
Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001258
03/04/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:30
Control Test	0.078	10:30
Air Blank	0.000	10:30
Control Test	0.079	10:31
Air Blank	0.000	10:31
Control Test	0.078	10:32
Air Blank	0.000	10:32
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	DGS

JD
Operator's Signature

DGM

BK 3/5/19