FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Indian River Sheriffs Office S/N 80-001329

Date In 02/20/2016 Date Out 02/21/2017 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED
FEB 28 2017
Alcohol Testing Program
FDLE

Intake Performed By DELL

- ☐ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ Other

Visual Inspection:

OK Case	OK Handle
OK Dry Gas Holder	OK Feet
OK Keyboard/Plug	OK Back/Plugs
OK Screws tight	OK Breath Hose

Other Equipment:
- ☐ Power cord
- ☐ Printer Cable
- ☐ Other

Notes:

Quality Checks Performed By DELL

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 201
- ☑ Flow Verification (L/s)

Flow Column # ATP 101

32mm	148	(.139 - .169)
36mm	171	(.156 - .190)
53mm	242	(.228 - .278)
103mm	500	(.447 - .547)

- ☑ Barometric Pressure Check
  Gauge ID # 68639
- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3967	201603D 03/08/2018
0.08	SD3968	201601F 01/26/2018
0.20	SD3969	201604C 04/05/2018
0.08 DGS	N/A	AG605301 02/22/2018

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete
  Flow Column #
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 53mm
  - ☐ 30L/min – 103mm
- ☐ R-Value
- ☐ Post Calibration Verification (L/s)
  Flow Column #

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

Maintenance Performed By

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

Suggested Service

Optical Bench Calibration Performed By DELL

- ☐ Optical Bench Calibration N/A
- ☑ Optical Bench Calibration Complete

Barometric Pressure Gauge 1018 ID # 28199

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2236	15108	08/18/2017
0.100	2237	15001	05/20/2017
0.200	2238	15104	05/27/2017
0.400	2239	16102	03/22/2018
0.080 DGS	N/A	03415080A1	03/05/2017

- ☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	201603D	03/08/2018
0.08	SD3968	201601F	01/26/2018
0.20	SD3969	201604C	04/05/2018
0.08 DGS	N/A	AG605301	02/22/2018

Department Inspection Performed By DELL

- ☑ Barometric Pressure ID# 68635
  1018 Gauge
  1018 Instrument

Mouth Alcohol Solution Lot # 2016-A
Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD3965
Interferent	SD3966
0.05	SD3967
0.08	SD3968
0.20	SD3969

Attachments

- ☑ Form 41
- ☑ Pre-Stability Tests
- ☐ Flow Calibration
- ☑ Optical Bench Cal
- ☑ Post-Stability Tests
- ☐ Other

Notes: E-MAILED 02/21/2017 ☑ DELL APPROVED

OK/QC OK DSM 2/28/2017

Brett Kirkland
Quality Control Review

2/28/17
Date

- ☑ 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

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-001329	Indian River Sheriff's Office	2/21/2017	

BK

0.05g/210L

0.047 to 0.053 ☑

INDIAN RIVER CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001329
02/21/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:56
Control Test	0.049	09:56
Air Blank	0.000	09:57
Control Test	0.050	09:58
Air Blank	0.000	09:58
Control Test	0.049	09:59
Air Blank	0.000	09:59

Control Test Stats

Average	0.0493
Std Dev	0.0006
Rel Std Dev(%)	1.1703

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

INDIAN RIVER CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001329
02/21/2017
Software: 8100.27

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	10:03
Air Blank	0.000	10:03
Control Test	0.079	10:04
Air Blank	0.000	10:05

Control Test Stats

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

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

INDIAN RIVER CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001329
02/21/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:06
Control Test	0.197	10:07
Air Blank	0.000	10:07
Control Test	0.197	10:08
Air Blank	0.000	10:08
Control Test	0.198	10:09
Air Blank	0.000	10:10

Control Test Stats

Average	0.1973
Std Dev	0.0006
Rel Std Dev(%)	0.2926

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

INDIAN RIVER CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001329
02/21/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:11
Control Test	0.080	10:11
Air Blank	0.000	10:12
Control Test	0.079	10:12
Air Blank	0.000	10:13
Control Test	0.080	10:13
Air Blank	0.000	10:14

Control Test Stats

Average	0.0797
Std Dev	0.0006
Rel Std Dev(%)	0.7247

Operator's Signature

GJM

```
NDIAN RIVER CO. SO
ntoxilyzer - Alcohol Analyzer
Model 8000                    SN 80-001329
02/21/2017                       08:52:40

Auto Calibration
Max Power Res Value = 20
Auto Range Res Value = 8

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12579, 9um Io = 13112
     <<<<<  CHANNEL 1  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  0.0900      (-0.0110)
Sample #2 =  0.0920      (0.0560)
Sample #3 =  0.0490      (0.0940)
Sample #4 =  0.0820      (0.1000)
Avg % Abs = 0.0743  (0.0833)
STD DEV =  0.0225  (0.0239)
REL STD DEV = 30.272  (28.633)
     ------------------

     <<<<<  CHANNEL 2  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  0.0900      (-0.0120)
Sample #2 =  0.0940      (0.0040)
Sample #3 =  0.0910      (0.0150)
Sample #4 =  0.0880      (0.0210)
Avg % Abs = 0.0910  (0.0133)
STD DEV =  0.0030  (0.0086)
REL STD DEV = 3.297  (64.663)
     ------------------

Sol Value = 0.040 g/210L ***
Fit value = 0.1935 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12561, 9um Io = 13106
     <<<<<  CHANNEL 1  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  0.7770      (-0.0160)
Sample #2 =  0.7940      (0.0100)
Sample #3 =  0.8150      (0.0040)
Sample #4 =  0.7980      (0.0060)
Avg % Abs = 0.8023  (0.0067)
STD DEV =  0.0112  (0.0031)
REL STD DEV = 1.390  (45.826)
     ------------------

     <<<<<  CHANNEL 2  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  1.4390      (-0.0200)
Sample #2 =  1.4220      (-0.0090)
Sample #3 =  1.4520      (-0.0180)
Sample #4 =  1.4440      (-0.0020)
Avg % Abs = 1.4393  (-0.0097)
STD DEV =  0.0155  (0.0080)
REL STD DEV = 1.079  (82.974)
     ------------------

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12556, 9um Io = 13106
     <<<<<  CHANNEL 1  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  1.8850      (-0.0060)
Sample #2 =  1.8930      (0.0100)
Sample #3 =  1.8970      (-0.0080)
Sample #4 =  1.9080      (0.0240)
Avg % Abs = 1.8993  (0.0087)
STD DEV =  0.0078  (0.0160)
REL STD DEV = 0.409  (185.096)
     ------------------

     <<<<<  CHANNEL 2  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  3.4750      (-0.0040)
Sample #2 =  3.4800      (0.0010)
Sample #3 =  3.5050      (-0.0110)
Sample #4 =  3.4750      (0.0190)
Avg % Abs = 3.4867  (0.0030)
STD DEV =  0.0161  (0.0151)
REL STD DEV = 0.461  (503.322)
     ------------------

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12554, 9um Io = 13101
     <<<<<  CHANNEL 1  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  3.6350      (-0.0190)
Sample #2 =  3.6470      (0.0170)
Sample #3 =  3.6770      (0.0260)
Sample #4 =  3.6820      (0.0030)
Avg % Abs = 3.6687  (0.0153)
STD DEV =  0.0189  (0.0116)
REL STD DEV = 0.516  (75.588)
     ------------------

     <<<<<  CHANNEL 2  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  6.6720      (-0.0320)
Sample #2 =  6.7190      (-0.0180)
Sample #3 =  6.7400      (-0.0140)
Sample #4 =  6.7360      (-0.0150)
Avg % Abs = 6.7317  (-0.0157)
STD DEV =  0.0112  (0.0021)
REL STD DEV = 0.166  (13.287)
     ------------------

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12548, 9um Io = 13100
     <<<<<  CHANNEL 1  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  6.9090      (-0.0160)
Sample #2 =  6.9350      (0.0060)
Sample #3 =  6.9830      (-0.0100)
Sample #4 =  6.9430      (-0.0020)
Avg % Abs = 6.9537  (-0.0020)
STD DEV =  0.0257  (0.0080)
REL STD DEV = 0.370  (400.000)
     ------------------

     <<<<<  CHANNEL 2  >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 = 12.4160      (0.0110)
Sample #2 = 12.4520      (0.0150)
Sample #3 = 12.4990      (-0.0030)
Sample #4 = 12.4820      (0.0000)
Avg % Abs = 12.4777  (0.0040)
STD DEV =  0.0238  (0.0096)
REL STD DEV = 0.191  (241.091)
     ------------------
```

Optical Calibration
SN: 80-01329
Agency: Indian River S.O.
Date: 02/21/2017
Quadratic Fit: +/-0.002g/210L
By:

```
     ***** AUTO CAL DATA *****
     <<<<<  CHANNEL 1  >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.074
 Std Dev =   0.02 Rel Std Dev =  30.27
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    0.802
 Std Dev =   0.01 Rel Std Dev =   1.39
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    1.899
 Std Dev =   0.01 Rel Std Dev =   0.41
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    3.669
 Std Dev =   0.02 Rel Std Dev =   0.52
Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs =    6.954
 Std Dev =   0.03 Rel Std Dev =   0.37
Zero Order Coef = -163.30
First Order Coef = 2517.74
Second Order Coef =  35.13
Standard Deviation =  22.470634
------------------

     <<<<<  CHANNEL 2  >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.091
 Std Dev =   0.00 Rel Std Dev =   3.30
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    1.439
 Std Dev =   0.02 Rel Std Dev =   1.08
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    3.487
 Std Dev =   0.02 Rel Std Dev =   0.46
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    6.732
 Std Dev =   0.01 Rel Std Dev =   0.17
Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs =   12.478
 Std Dev =   0.02 Rel Std Dev =   0.19
Zero Order Coef = -73.69
First Order Coef = 1316.73
Second Order Coef =  17.22
Standard Deviation =  44.529709
------------------
```

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0005
0.040	0.039	0.0005
0.100	0.100	0.0003
0.200	0.200	-0.0005
0.400	0.400	0.0001

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0010
0.040	0.039	0.0010
0.100	0.099	0.0007
0.200	0.201	-0.0010
0.400	0.400	0.0002

```
Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l  %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  3421.00
Sample #2 =  3413.00
Sample #3 =  3437.00
Sample #4 =  3366.00
Average Result = 3405.3333
STD DEV = 36.1156
REL STD DEV = 1.061
**********
***** CHANNEL 2
Sample #1 =  3445.00
Sample #2 =  3405.00
Sample #3 =  3373.00
Sample #4 =  3404.00
Average Result = 3356.0000
STD DEV = 18.1934
REL STD DEV = 0.536
**********
Dry Gas H20 Adjust Results **********
  Barometric Pressure = 1019
  3 um H20 Adjust (mg/l*10,000) = 404
  9 um H20 Adjust (mg/l*10,000) = 415
**** AUTO CAL PASS
```

BJM

TSK

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-001329	Indian River Sheriff's Office	02/21/2017	

0.05g/210L

0.047 to 0.053 ☑

INDIAN RIVER CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001329
02/21/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:20
Control Test	0.049	08:21
Air Blank	0.000	08:21
Control Test	0.048	08:22
Air Blank	0.000	08:23
Control Test	0.048	08:23
Air Blank	0.000	08:24

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 ☑

INDIAN RIVER CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001329
02/21/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:26
Control Test	0.078	08:26
Air Blank	0.000	08:27
Control Test	0.078	08:28
Air Blank	0.000	08:28
Control Test	0.078	08:29
Air Blank	0.000	08:29

Control Test Stats

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

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

INDIAN RIVER CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001329
02/21/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:31
Control Test	0.195	08:32
Air Blank	0.000	08:32
Control Test	0.196	08:33
Air Blank	0.000	08:34
Control Test	0.196	08:34
Air Blank	0.000	08:35

Control Test Stats

Average	0.1957
Std Dev	0.0006
Rel Std Dev(%)	0.2951

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

INDIAN RIVER CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001329
02/21/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:37
Control Test	0.080	08:37
Air Blank	0.000	08:38
Control Test	0.079	08:38
Air Blank	0.000	08:39
Control Test	0.081	08:39
Air Blank	0.000	08:39

Control Test Stats

Average	0.0800
Std Dev	0.0010
Rel Std Dev(%)	1.2500

Operator's Signature