FDLE
Alcohol Testing Program

# INSTRUMENT PROCESSING SHEET

Agency Pinecrest Police Department S/N 80-000909

Date In 01/23/2017 Date Out 01/23/2017 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

**Intake** Performed By DERR

- ☐ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement Electronics
- ☐ 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 ANTI STATIC BAG

Notes:

**Quality Checks** Performed By DERR

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

Flow Column # ATP 101

32mm 171 (.139 - .169)
36mm 191 (.156 - .190)
53mm 257 (.228 - .278)
103mm 515 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28663

- ☑ Stability Checks

| Simulator | Serial # | Lot #/Exp |
|---|---|---|
| 0.05 | SD3967 | 201507A 07/14/2017 |
| 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 DERR

- ☐ Flow Calibration N/A
- ☑ Flow Calibration Complete

Flow Column # ATP106

- ☑ 5L/min – 17mm
- ☑ 15L/min – 53mm
- ☑ 30L/min – 103mm
- ☑ R-Value 177
- ☑ Post Calibration Verification (L/s)

Flow Column # ATP104

32mm 152 (.139 - .169)
36mm 171 (.156 - .190)
53mm 250 (.228 - .278)
103mm 507 (.447 - .547)

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**Maintenance** Performed By

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

**Suggested Service**

**Optical Bench Calibration** Performed By DERR

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

Barometric Pressure Gauge 1001 ID # 68639

| Simulator | Serial Number | Lot Number | Expiration |
|---|---|---|---|
| 0.000 DERR SD | 2235 | N/A | N/A |
| 0.040 | 2236 | 16101 | 02-02-2018 |
| 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 | SD 3967 | 201507A | 07/14/2017 |
| 0.08 | SD 3968 | 201601F | 01/26/2018 |
| 0.20 | SD 3969 | 201604C | 04/05/2018 |
| 0.08 DGS | N/A | AG605301 | 02/22/2018 |

**Department Inspection** Performed By DERR

- ☑ Barometric Pressure

ID# 28199 — 1002 Gauge / 1000 Instrument

Mouth Alcohol Solution Lot # 2016A

Acetone Stock Solution Lot # 2016B

| Simulator | Serial Number |
|---|---|
| 0.00 | SD 3965 |
| Interferent | SD 3966 |
| 0.05 | SD 3967 |
| 0.08 | SD 3968 |
| 0.20 | SD 3969 |

**Attachments**

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

Notes: E-MAILED 01/23/2017 ✓ APPROVED

Recalibrated to bring values closer to nominal.
QA/QC OK [illegible] 2/8/2017

- ☑ 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

Brett Kirkland
Quality Control Review

2/10/17
Date

Revised November 2012

| TYPE OF TEST | SERIAL NUMBER | AGENCY | DATE | PERFORMED BY |
|---|---|---|---|---|
| Post Stabilities | 80-000909 | Miami Dade Police Department | 1/23/2017 | |

## 0.05g/210L

0.047 to 0.053 ☑

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 13:34 |
| Control Test | 0.051 | 13:35 |
| Air Blank | 0.000 | 13:35 |
| Control Test | 0.050 | 13:36 |
| Air Blank | 0.000 | 13:37 |
| Control Test | 0.051 | 13:37 |
| Air Blank | 0.000 | 13:38 |

Control Test Stats

| | |
|---|---|
| Average | 0.0507 |
| Std Dev | 0.0006 |
| Rel Std Dev(%) | 1.1395 |

Operator's Signature

## 0.08g/210L

0.077 to 0.083 ☑

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 13:39 |
| Control Test | 0.080 | 13:40 |
| Air Blank | 0.000 | 13:40 |
| Control Test | 0.080 | 13:41 |
| Air Blank | 0.000 | 13:42 |
| Control Test | 0.081 | 13:42 |
| Air Blank | 0.000 | 13:43 |

Control Test Stats

| | |
|---|---|
| Average | 0.0803 |
| Std Dev | 0.0006 |
| Rel Std Dev(%) | 0.7187 |

Operator's Signature

## 0.20g/210L

0.194 to 0.206 ☑

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 13:45 |
| Control Test | 0.200 | 13:45 |
| Air Blank | 0.000 | 13:46 |
| Control Test | 0.200 | 13:47 |
| Air Blank | 0.000 | 13:47 |
| Control Test | 0.201 | 13:48 |
| Air Blank | 0.000 | 13:48 |

Control Test Stats

| | |
|---|---|
| Average | 0.2003 |
| Std Dev | 0.0006 |
| Rel Std Dev(%) | 0.2882 |

Operator's Signature

## DGS 0.08g/210L

0.077 to 0.083 ☑

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 13:50 |
| Control Test | 0.080 | 13:51 |
| Air Blank | 0.000 | 13:51 |
| Control Test | 0.080 | 13:52 |
| Air Blank | 0.000 | 13:52 |
| Control Test | 0.079 | 13:52 |
| Air Blank | 0.000 | 13:53 |

Control Test Stats

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

Operator's Signature

RDM
KK

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017 12:42:32

Auto Calibration
Max Power Res Value = 41
Auto Range Res Value = 18

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12705, 9um Io = 13588

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 0.0940 | (-0.0370) |
| Sample #2 = | 0.0630 | (0.0470) |
| Sample #3 = | 0.0940 | (0.0730) |
| Sample #4 = | 0.0850 | (0.1190) |

Avg % Abs = 0.0807 (0.0797)
STD DEV = 0.0159 (0.0365)
REL STD DEV = 19.770 (45.766)

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 0.1600 | (-0.0130) |
| Sample #2 = | 0.1200 | (0.0270) |
| Sample #3 = | 0.1540 | (0.0220) |
| Sample #4 = | 0.1560 | (0.0420) |

Avg % Abs = 0.1433 (0.0303)
STD DEV = 0.0202 (0.0104)
REL STD DEV = 14.115 (34.313)

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Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12676, 9um Io = 13575

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 0.7780 | (-0.0290) |
| Sample #2 = | 0.7530 | (-0.0100) |
| Sample #3 = | 0.7700 | (0.0180) |
| Sample #4 = | 0.7500 | (0.0540) |

Avg % Abs = 0.7577 (0.0207)
STD DEV = 0.0108 (0.0321)
REL STD DEV = 1.424 (155.241)

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 1.4890 | (-0.0220) |
| Sample #2 = | 1.5030 | (-0.0150) |
| Sample #3 = | 1.4950 | (0.0000) |
| Sample #4 = | 1.5050 | (0.0190) |

Avg % Abs = 1.5010 (0.0013)
STD DEV = 0.0053 (0.0170)
REL STD DEV = 0.353 (1277.938)

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Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12671, 9um Io = 13573

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 1.8310 | (-0.0160) |
| Sample #2 = | 1.8210 | (0.0410) |
| Sample #3 = | 1.8270 | (0.0350) |
| Sample #4 = | 1.8510 | (0.0350) |

Avg % Abs = 1.8330 (0.0370)
STD DEV = 0.0159 (0.0035)
REL STD DEV = 0.866 (9.362)

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 3.5370 | (-0.0080) |
| Sample #2 = | 3.5420 | (0.0280) |
| Sample #3 = | 3.5230 | (0.0300) |
| Sample #4 = | 3.5430 | (0.0300) |

Avg % Abs = 3.5360 (0.0293)
STD DEV = 0.0113 (0.0012)
REL STD DEV = 0.319 (3.936)

---

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12664, 9um Io = 13570

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 3.5740 | (-0.0290) |
| Sample #2 = | 3.5330 | (0.0280) |
| Sample #3 = | 3.5140 | (0.0630) |
| Sample #4 = | 3.5100 | (0.0530) |

Avg % Abs = 3.5190 (0.0480)
STD DEV = 0.0123 (0.0180)
REL STD DEV = 0.349 (37.558)

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 6.7470 | (-0.0190) |
| Sample #2 = | 6.7370 | (0.0470) |
| Sample #3 = | 6.6640 | (0.1020) |
| Sample #4 = | 6.7170 | (0.0720) |

Avg % Abs = 6.7060 (0.0737)
STD DEV = 0.0377 (0.0275)
REL STD DEV = 0.563 (37.382)

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Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12656, 9um Io = 13566

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 6.7510 | (-0.0250) |
| Sample #2 = | 6.7520 | (0.0600) |
| Sample #3 = | 6.7720 | (0.0460) |
| Sample #4 = | 6.7230 | (0.0870) |

Avg % Abs = 6.7490 (0.0643)
STD DEV = 0.0246 (0.0208)
REL STD DEV = 0.365 (32.395)

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

| Sample | % Abs | (% Abs Ref) |
|---|---|---|
| Sample #1 = | 12.5530 | (-0.0070) |
| Sample #2 = | 12.5340 | (0.1370) |
| Sample #3 = | 12.5400 | (0.1600) |
| Sample #4 = | 12.4980 | (0.1680) |

Avg % Abs = 12.5240 (0.1550)
STD DEV = 0.0227 (0.0161)
REL STD DEV = 0.181 (10.383)

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| Optical Calibration |
|---|
| SN: 80-000909 |
| Agency: Miami Dade P.D. |
| Date: 01/23/2017 |
| Quadratic Fit: +/-0.002g/210L |
| By: |

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.081
Std Dev = 0.02 Rel Std Dev = 19.77
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.758
Std Dev = 0.01 Rel Std Dev = 1.42
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.833
Std Dev = 0.02 Rel Std Dev = 0.87
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.519
Std Dev = 0.01 Rel Std Dev = 0.35
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.749
Std Dev = 0.02 Rel Std Dev = 0.37
Zero Order Coef = -183.21
First Order Coef = 2660.21
Second Order Coef = 28.00
Standard Deviation = 34.563475

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.143
Std Dev = 0.02 Rel Std Dev = 14.12
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.501
Std Dev = 0.01 Rel Std Dev = 0.35
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.536
Std Dev = 0.01 Rel Std Dev = 0.32
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.706
Std Dev = 0.04 Rel Std Dev = 0.56
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.524
Std Dev = 0.02 Rel Std Dev = 0.18
Zero Order Coef = -176.96
First Order Coef = 1345.92
Second Order Coef = 15.09
Standard Deviation = 16.704308

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Solution Stats Quadratic Fit Chan 1

| Act g/210L | Fit g/210L | Residual g/210L |
|---|---|---|
| 0.000 | 0.001 | -0.0007 |
| 0.040 | 0.039 | 0.0012 |
| 0.100 | 0.101 | -0.0005 |
| 0.200 | 0.200 | -0.0000 |
| 0.400 | 0.400 | 0.0000 |

Solution Stats Quadratic Fit Chan 2

| Act g/210L | Fit g/210L | Residual g/210L |
|---|---|---|
| 0.000 | 0.000 | -0.0003 |
| 0.040 | 0.039 | 0.0006 |
| 0.100 | 0.100 | -0.0002 |
| 0.200 | 0.200 | -0.0001 |
| 0.400 | 0.400 | 0.0000 |

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

***** CHANNEL 1
Sample #1 = 3376.00
Sample #2 = 3388.00
Sample #3 = 3429.00
Sample #4 = 3440.00
Average Result = 3419.0000
STD DEV = 27.4044
REL STD DEV = 0.802
**********

***** CHANNEL 2
Sample #1 = 3238.00
Sample #2 = 3244.00
Sample #3 = 3224.00
Sample #4 = 3252.00
Average Result = 3240.0000
STD DEV = 14.4222
REL STD DEV = 0.445
**********

Dry Gas H20 Adjust Results **********
Barometric Pressure = 1000
3 um H20 Adjust (mg/l*10,000) = 390
9 um H20 Adjust (mg/l*10,000) = 569
**** AUTO CAL PASS

| TYPE OF TEST | SERIAL NUMBER | AGENCY | DATE | PERFORMED BY |
|---|---|---|---|---|
| Stabilities | 80-000909 | Pinecrest Police Department | 01/23/2017 | |

## 0.05g/210L

0.047 to 0.053 ☑

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 10:10 |
| Control Test | 0.049 | 10:10 |
| Air Blank | 0.000 | 10:11 |
| Control Test | 0.049 | 10:12 |
| Air Blank | 0.000 | 10:12 |
| Control Test | 0.049 | 10:13 |
| Air Blank | 0.000 | 10:14 |

Control Test Stats

| | |
|---|---|
| Average | 0.0487 |
| Std Dev | 0.0006 |
| Rel Std Dev(%) | 1.1863 |

Operator's Signature

## 0.08g/210L

0.077 to 0.083 ☑

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 10:16 |
| Control Test | 0.077 | 10:16 |
| Air Blank | 0.000 | 10:17 |
| Control Test | 0.077 | 10:18 |
| Air Blank | 0.000 | 10:18 |
| Control Test | 0.077 | 10:19 |
| Air Blank | 0.000 | 10:19 |

Control Test Stats

| | |
|---|---|
| Average | 0.0770 |
| Std Dev | 0.0000 |
| Rel Std Dev(%) | 0.0000 |

Operator's Signature

## 0.20g/210L

0.194 to 0.206 ☑

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 10:21 |
| Control Test | 0.195 | 10:22 |
| Air Blank | 0.000 | 10:22 |
| Control Test | 0.194 | 10:23 |
| Air Blank | 0.000 | 10:24 |
| Control Test | 0.195 | 10:24 |
| Air Blank | 0.000 | 10:25 |

Control Test Stats

| | |
|---|---|
| Average | 0.1947 |
| Std Dev | 0.0006 |
| Rel Std Dev(%) | 0.2966 |

Operator's Signature

## DGS 0.08g/210L

0.077 to 0.083 ☑

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000909
01/23/2017
Software: 8100.27

| Test | g/210L | Time |
|---|---|---|
| Air Blank | 0.000 | 10:26 |
| Control Test | 0.080 | 10:27 |
| Air Blank | 0.000 | 10:27 |
| Control Test | 0.079 | 10:27 |
| Air Blank | 0.000 | 10:28 |
| Control Test | 0.080 | 10:28 |
| Air Blank | 0.000 | 10:29 |

Control Test Stats

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

Operator's Signature

RJK

| TYPE OF TEST | SERIAL NUMBER | AGENCY | DATE | PERFORMED BY |
|---|---|---|---|---|
| Flow calibration | 80-000909 | Pinecrest Police Department | 01/23/2017 | |

PINECREST PD
Intoxilyzer - Alcohol Analyzer
Model: 8000 SN 80-000909
01/23/2017
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff) ) = 4.242
2: Rate (Liters/min) = 15
SQRT(Diff) ) = 10.723
3: Rate (Liters/min) = 30
SQRT(Diff) ) = 20.320
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 608
Rounded Intercept = -162986
Correlation = 0.99999