INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Hialeah Police Department S/N 80-002464

Date In 07/06/2018 DI Completion Date 07/09/2018 ☑Ship ☐P/U ☐H/D ☑CMI ☐EE

Intake Performed By MDH

- ☑ 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

JUL 17 2018

Alcohol Testing Program

Quality Checks Performed By DELL

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 183
- ☑ Flow Verification (L/s)

Flow Column # ATP 101

32 mm	.167	(.139 - .169)
36 mm	.191	(.156 - .190)
53 mm	.253	(.228 - .278)
103 mm	.511	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28199

- ☑ 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	AG805701
		02/26/2020

Flow Calibration Performed By DELL

Flow Column # ATP 104

- ☑ 5L/min – 17mm
- ☑ 15L/min – 53mm
- ☑ 30L/min – 103mm
- ☑ R-Value 183
- ☑ Post Calibration Verification (L/s)

Flow Column # ATP 106

32 mm	148	(.139 - .169)
36 mm	167	(.156 - .190)
53 mm	238	(.228 - .278)
103 mm	503	(.447 - .547)

Maintenance Performed By

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

Temperature Checks Performed By DELL

- ☑ Lab Temp °C 22.88C

External Digital Therm. ID#: 300949

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

Calibration Adjustment Performed By

Barometric Pressure Gauge ID #

Simulator	Serial Number	Lot Number	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 Number	Lot Number	Expiration
0.050			
0.080			
0.200			
0.080 DGS	N/A		

Department Inspection Performed By DELL

Barometric Pressure ID# 68639

Gauge 1019 Instrument 1019

Mouth Alcohol Solution Lot # 2017-B

Acetone Stock Solution Lot # 2018-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 ☑ 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**

7/17/18 Tech Review / Date

7/17/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HIALEAH PD
Time of Inspection: 08:49 Date of Inspection: 07/09/2018 Serial Number: 80-002464
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	0.080	0.198	0.079
0.000	0.049	0.080	0.199	0.079
0.000	0.049	0.080	0.199	0.079
0.000	0.049	0.080	0.199	0.079
0.000	0.049	0.080	0.200	0.078
0.000	0.049	0.081	0.199	0.079
0.000	0.049	0.080	0.199	0.078
0.000	0.049	0.080	0.199	0.079
0.000	0.050	0.081	0.200	0.078
0.000	0.049	0.081	0.199	0.079

Standard Deviations	0.0003	0.0004	0.0005	0.0004

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 Reyes Rivera DAVID E REYES-RIVERA
Signature and Printed Name

07/09/2018
Date

7/17/18

FDLE/ATP Form 41 –Revised August 2005

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-002464	Hialeah Police Department	07/09/2018	

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.07c	SN: SD3968 Temp: 34.08c	SN: SD3969 Temp:34.08c	Lot AG805701
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☑	0.077 to 0.083 ☑

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
07/09/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:54
Control Test	0.049	06:55
Air Blank	0.000	06:55
Control Test	0.048	06:56
Air Blank	0.000	06:56
Control Test	0.049	06:57
Air Blank	0.000	06:58

Control Test Stats

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

Operator's Signature

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
07/09/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:59
Control Test	0.079	06:59
Air Blank	0.000	07:00
Control Test	0.080	07:01
Air Blank	0.000	07:01
Control Test	0.079	07:02
Air Blank	0.000	07:02

Control Test Stats

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

Operator's Signature

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
07/09/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:03
Control Test	0.198	07:04
Air Blank	0.000	07:05
Control Test	0.198	07:05
Air Blank	0.000	07:06
Control Test	0.198	07:07
Air Blank	0.000	07:07

Control Test Stats

Average	0.1980
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
07/09/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:08
Control Test	0.078	07:09
Air Blank	0.000	07:09
Control Test	0.080	07:10
Air Blank	0.000	07:10
Control Test	0.080	07:10
Air Blank	0.000	07:11

Control Test Stats

Average	0.0793
Std Dev	0.0012
Rel Std Dev(%)	1.4555

Operator's Signature

8/1/18

PGM

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 80-002464, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-002464
Owning Agency:	HIALEAH PD
Calibration Date:	07/09/2018
Calibration Time:	08:49

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.005
0.200 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 target 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.

07/09/2018
Date

DAVID E REYES-RIVERA,
Department Inspector

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Flow calibration	80-002464	Hialeah Police Department	07/09/2018	

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
07/09/2018
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.781
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.617
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.758
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 691
Rounded Intercept = -642879
Correlation = 0.99814

Florida Department of Law Enforcement
Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: HIALEAH PD
Time of Inspection: 06:33 Date of Inspection: 07/09/2018
Serial Number: 80-002464
Software: 8100.27

Check or Test	YES	NO
Date and/or Time Adjusted		No
Diagnostic Check (Pre-Inspection): OK		No
Alcohol Free Subject Test: 0.000		No
Mouth Alcohol Test: Slope Not Met		No
Interferent Detect Test: Interferent Detect		No
Diagnostic Check (Post-Inspection): OK		No

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#: Exp:	0.08g/210L Test (g/210L) Lot#: Exp:	0.20g/210L Test (g/210L) Lot#: Exp:	0.08 g/210L Dry Gas Std Test (g/210L) Lot#: Exp:

Number of Simulators Used: ____

Remarks:
COMPLIANCE NOT DETERMINED AI NOT CONDUCTED

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

I certify that I hold a valid Florida Department of Law Enforcement Agency Inspector Permit and that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

DAVID E REYES-RIVERA
Signature and Printed Name

07/09/2018
Date

FDLE/ATP Form 40 – March 2004

FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Hialeah Police Department S/N 80-002464

Date In 04/02/2018 DI Completion Date 04/05/2018 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By DEAL

- ☑ 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
APR 11 2018
Alcohol Testing Program

Quality Checks Performed By DEAL

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 182
- ☑ Flow Verification (L/s)

Flow Column # ATP 101

32 mm	.148	(.139 - .169)
36 mm	.160	(.156 - .190)
53 mm	.226	(.228 - .278)
103 mm	.484	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28199

- ☑ 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	AG715202 06/01/2019

Flow Calibration Performed By DEAL

Flow Column # ATP104
- ☑ 5L/min – 17mm
- ☑ 15L/min – 53mm
- ☑ 30L/min – 103mm
- ☑ R-Value 183
- ☑ Post Calibration Verification (L/s)

Flow Column # ATP106

32 mm	148	(.139 - .169)
36 mm	164	(.156 - .190)
53 mm	234	(.228 - .278)
103 mm	500	(.447 - .547)

Maintenance Performed By

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

Temperature Checks Performed By DEAL

- ☑ Lab Temp °C 23.60C

External Digital Therm. ID#: 300949
- ☑ 34°C +-.2 Serial #: SD3967
- ☑ 34°C +-.2 Serial #: SD3968
- ☑ 34°C +-.2 Serial #: SD3969

Calibration Adjustment Performed By DEAL

Barometric Pressure Gauge 1017 ID # 28663

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	AG715202	06/01/2019

Department Inspection Performed By DEAL

Barometric Pressure ID# 68639

Gauge 1017 Instrument 1018

Mouth Alcohol Solution Lot # 2017-B

Acetone Stock Solution Lot # 2018-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. Calibrated to bring barometric value to aceptable range.

☑ 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**

PJam 4/10/18 — Tech Review / Date

SJGraham 4/11/18 — Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HIALEAH PD
Time of Inspection: 11:25
Date of Inspection: 04/05/2018
Serial Number: 80-002464
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#:AG715202 Exp: 06/01/2019
0.000	0.050	0.083	0.201	0.079
0.000	0.050	0.083	0.202	0.079
0.000	0.050	0.083	0.202	0.079
0.000	0.050	0.082	0.201	0.079
0.000	0.050	0.083	0.201	0.079
0.000	0.051	0.082	0.202	0.079
0.000	0.050	0.082	0.202	0.079
0.000	0.051	0.082	0.202	0.079
0.000	0.050	0.083	0.202	0.080
0.000	0.051	0.083	0.201	0.079
Standard Deviations	0.0004	0.0005	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:

PSM

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

DAVID E REYES-RIVERA
Signature and Printed Name

04/05/2018
Date

4/11/18
SO

FDLE/ATP Form 41 –Revised August 2005

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-002464	Hialeah Police Department	04/05/2018	DLL

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.08c	SN: SD3968 Temp: 34.02c	SN: SD3969 Temp:34.07c	Lot AG715202
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☑	0.077 to 0.083 ☑

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:09
Control Test	0.049	09:10
Air Blank	0.000	09:11
Control Test	0.050	09:11
Air Blank	0.000	09:12
Control Test	0.050	09:13
Air Blank	0.000	09:13

Control Test Stats

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

DLL
Operator's Signature

5/1/18

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:14
Control Test	0.081	09:15
Air Blank	0.000	09:15
Control Test	0.081	09:16
Air Blank	0.000	09:17
Control Test	0.081	09:17
Air Blank	0.000	09:18

Control Test Stats

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

DLL
Operator's Signature

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:19
Control Test	0.200	09:20
Air Blank	0.000	09:20
Control Test	0.200	09:21
Air Blank	0.000	09:22
Control Test	0.200	09:22
Air Blank	0.000	09:23

Control Test Stats

Average	0.2000
Std Dev	0.0000
Rel Std Dev(%)	0.0000

DLL
Operator's Signature

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:24
Control Test	0.079	09:24
Air Blank	0.000	09:25
Control Test	0.079	09:25
Air Blank	0.000	09:26
Control Test	0.080	09:26
Air Blank	0.000	09:27

Control Test Stats

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

DLL
Operator's Signature

PDM

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 80-002464, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-002464
Owning Agency:	HIALEAH PD
Calibration Date:	04/05/2018
Calibration Time:	11:25

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.005
0.200 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 target 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.

04/05/2018
Date

DAVID E REYES-RIVERA,
Department Inspector

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018 08:25:36

Auto Calibration
Max Power Res Value = 55
Auto Range Res Value = 39

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12670, 9um Io = 12905

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0620	(-0.0150)
Sample #2 =	0.0560	(0.0400)
Sample #3 =	0.0510	(0.0590)
Sample #4 =	0.0380	(0.0960)

Avg % Abs = 0.0483 (0.0650)
STD DEV = 0.0093 (0.0285)
REL STD DEV = 19.224 (43.812)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0580	(-0.0120)
Sample #2 =	0.0500	(-0.0050)
Sample #3 =	0.0680	(0.0820)
Sample #4 =	0.0630	(0.0690)

Avg % Abs = 0.0637 (0.0317)
STD DEV = 0.0040 (0.0375)
REL STD DEV = 6.348 (450.333)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12651, 9um Io = 12798

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7250	(-0.0120)
Sample #2 =	0.7680	(0.0110)
Sample #3 =	0.7420	(0.0320)
Sample #4 =	0.7540	(0.0460)

Avg % Abs = 0.7547 (0.0297)
STD DEV = 0.0130 (0.0176)
REL STD DEV = 1.724 (59.381)

4/11/18

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4310	(-0.0090)
Sample #2 =	1.4220	(0.0000)
Sample #3 =	1.4200	(0.0040)
Sample #4 =	1.4530	(0.0080)

Avg % Abs = 1.4317 (0.0040)
STD DEV = 0.0185 (0.0340)
REL STD DEV = 1.292 (100.000)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12640, 9um Io = 12794

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8100	(-0.0230)
Sample #2 =	1.8170	(-0.0080)
Sample #3 =	1.8020	(0.0010)
Sample #4 =	1.7950	(0.0340)

Avg % Abs = 1.8047 (0.0097)
STD DEV = 0.0112 (0.0214)
REL STD DEV = 0.623 (220.986)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4930	(-0.0040)
Sample #2 =	3.4930	(0.0080)
Sample #3 =	3.4990	(0.0100)
Sample #4 =	3.4990	(0.0260)

Avg % Abs = 3.4970 (0.0147)
STD DEV = 0.0035 (0.0099)
REL STD DEV = 0.099 (67.267)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12634, 9um Io = 12789

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4770	(-0.0260)
Sample #2 =	3.4430	(0.0310)
Sample #3 =	3.4590	(0.0390)
Sample #4 =	3.4490	(0.0490)

Avg % Abs = 3.4503 (0.0397)
STD DEV = 0.0081 (0.0090)
REL STD DEV = 0.234 (22.736)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6690	(-0.0380)
Sample #2 =	6.6630	(0.0270)
Sample #3 =	6.6640	(0.0230)
Sample #4 =	6.6570	(0.0380)

Avg % Abs = 6.6613 (0.0293)
STD DEV = 0.0038 (0.0078)
REL STD DEV = 0.057 (26.480)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12625, 9um Io = 12784

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.0830	(-0.0140)
Sample #2 =	5.0990	(0.0010)
Sample #3 =	5.0690	(0.0240)
Sample #4 =	5.0700	(0.0380)

Avg % Abs = 5.0793 (0.0210)
STD DEV = 0.0170 (0.0187)
REL STD DEV = 0.335 (88.360)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7170	(-0.0020)
Sample #2 =	9.7380	(0.0160)
Sample #3 =	9.7280	(0.0120)
Sample #4 =	9.7440	(0.0260)

Avg % Abs = 9.7367 (0.0180)
STD DEV = 0.0081 (0.0072)
REL STD DEV = 0.083 (40.062)

Optical Calibration
SN: 80-002464
Agency: Hialeah Police Dept.
Date: 4/5/2018
Quadratic Fit: +/-0.002g/210L
By:

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.048
Std Dev = 0.01 Rel Std Dev = 19.22
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.755
Std Dev = 0.01 Rel Std Dev = 1.72
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.805
Std Dev = 0.01 Rel Std Dev = 0.62
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.456
Std Dev = 0.01 Rel Std Dev = 0.23
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.079
Std Dev = 0.02 Rel Std Dev = 0.34
Zero Order Coef = -138.79
First Order Coef = 2678.31
Second Order Coef = 32.28
Standard Deviation = 27.734903

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.064
Std Dev = 0.00 Rel Std Dev = 6.35
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.432
Std Dev = 0.02 Rel Std Dev = 1.29
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.497
Std Dev = 0.00 Rel Std Dev = 0.10
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.661
Std Dev = 0.00 Rel Std Dev = 0.06
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.737
Std Dev = 0.01 Rel Std Dev = 0.08
Zero Order Coef = -82.48
First Order Coef = 1352.77
Second Order Coef = 12.72
Standard Deviation = 29.069401

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0002
0.040	0.040	0.0001
0.100	0.101	-0.0008
0.200	0.199	0.0008
0.300	0.300	-0.0003

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0001
0.040	0.039	0.0005
0.100	0.101	-0.0009
0.200	0.199	0.0006
0.300	0.303	-0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3366.00
Sample #2 = 3480.00
Sample #3 = 3338.00
Sample #4 = 3413.00
Average Result = 3410.3333
STD DEV = 71.0376
REL STD DEV = 2.082
****
***** CHANNEL 2
Sample #1 = 3526.00
Sample #2 = 3558.00
Sample #3 = 3545.00
Sample #4 = 3567.00
Average Result = 3556.6667
STD DEV = 17.0604
REL STD DEV = 0.311
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1017
3 um H20 Adjust (mg/l*10,000) = 399
9 um H20 Adjust (mg/l*10,000) = 253
**** AUTO CAL PASS

RJM

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-002464	Hialeah Police Department	4/5/2018	DLL

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.08c	SN: SD3968 Temp: 34.02c	SN: SD3969 Temp: 34.07c	AG715202
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☑	0.077 to 0.083 ☑

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:30
Control Test	0.050	09:30
Air Blank	0.000	09:31
Control Test	0.050	09:32
Air Blank	0.000	09:32
Control Test	0.051	09:33
Air Blank	0.000	09:33

Control Test Stats

Average	0.0503
Std Dev	0.0036
Rel Std Dev(%)	1.1471

DLL
Operator's Signature

4/5/18

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:35
Control Test	0.082	09:36
Air Blank	0.000	09:36
Control Test	0.082	09:37
Air Blank	0.000	09:37
Control Test	0.082	09:38
Air Blank	0.000	09:39

Control Test Stats

Average	0.0820
Std Dev	0.0000
Rel Std Dev(%)	0.0000

DLL
Operator's Signature

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:40
Control Test	0.202	09:40
Air Blank	0.000	09:41
Control Test	0.201	09:42
Air Blank	0.000	09:42
Control Test	0.202	09:43
Air Blank	0.000	09:43

Control Test Stats

Average	0.2017
Std Dev	0.0006
Rel Std Dev(%)	0.2863

DLL
Operator's Signature

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:44
Control Test	0.079	09:45
Air Blank	0.000	09:45
Control Test	0.079	09:46
Air Blank	0.000	09:46
Control Test	0.079	09:46
Air Blank	0.000	09:47

Control Test Stats

Average	0.0790
Std Dev	0.0000
Rel Std Dev(%)	0.0000

DLL
Operator's Signature

DLL

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Flow calibration	80-002464	Hialeah Police Department	04/04/2018	DERL

HIALEAH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002464
04/04/2018
Software: 8.00.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.855
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.574
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.926
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 685
Rounded Intercept = -632298
Correlation = 0.99734

4/4/18

PJM