

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100382

Analyst/Technician(s): Carlie Haister

Start Date: 3/4/2025

Date Instrument Received: 2/6/2025

Reason for instrument evaluation

Modem will not upload - functional problem
on modem or pathway

Visual Inspection:

- | | | |
|---|---|---|
| ☒ Clean | ☒ Replace missing screws | |
| ☒ Cermetex Box (modem) is secure | ☒ Ensure modem cable present | |
| ☒ Double Check Valve secured to wall | ☒ All tubing and connections secure | |
| ☒ O-ring inspection and ensure 2 replacement O-rings in bag | | |
| ☒ Attach VOC | ☒ VOC Internal Standard $\leq 3.00\%$ | ☒ Verify software version |

Condition of item: ☐ No apparent damage ☒ Damaged

NOTE: As Found Linearity is required if the instrument is not damaged and the internal standard value is not more than 4.00%

As Found Conditions (if performed):

Barometric Pressure (inHg): 29.54 Temperature (C): 22.2 Relative Humidity (%) 17

Linearity Test Levels (g/210L): 0.020, 0.080, 0.300

Notes: During first linearity attempt the instrument restarted
partway through testing the 0.080 tank - no data saved.
During second linearity attempt the instrument restarted
itself part way through the 0.020 tank - no data saved.
3.02 software was reinstalled. A VOC was required & completed.

☒ Attach Non-Drinking Subject Test Linearity completed on the third attempt.
First non-drinking subject test had a blank
error & showed an instrument response
during the blow, this appears
unusual. Second non-drinking
subject test completed normally.

Conclusion:

- ☐ Ready for Adjustment
☐ Ready for Calibration

☒ Needs Repair

Lab Work End Date: 3/4/2025

CKG 3/4/2025
Initials and date
added 4/7/2025 CKG

Page 1 of 1

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

CKG 3/4/2025
Initials and
date added
4/7/2025 CKG

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100382

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/04/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.54: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 764 psi

BLANK TEST	0.000	15:00
INTERNAL STANDARD	VERIFIED	15:01
Xq = 0.095 (0.09%)		
EXTERNAL STANDARD	0.077	15:01
X[1] = 0.0774 (-0.0013) (-0.0007)		
BLANK TEST	0.000	15:02
EXTERNAL STANDARD	0.078	15:02
X[1] = 0.0776 (-0.0003) (0.0006)		
BLANK TEST	0.000	15:03
EXTERNAL STANDARD	0.078	15:03
X[1] = 0.0776 (0.0000) (0.0000)		
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.077	15:04
X[1] = 0.0774 (-0.0002) (-0.0012)		
BLANK TEST	0.000	15:05
EXTERNAL STANDARD	0.078	15:05
X[1] = 0.0782 (0.0000) (-0.0007)		
BLANK TEST	0.000	15:06

Average = 0.0776
Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.6°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.75 V	PASSED
(0.98 V - 2.28 V)	
Cooler Voltage = 1.62 V	PASSED
(1.03 V - 2.39 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 538 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

PUMP INFO

Flow Rate = 4.591 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.004 V <= 0.010 V)	
PUMP OFF	PASSED
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.095	0.46%	(0.00% - 4.00%)	PASSED
------------	-------	-----------------	--------

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100382

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/04/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.53: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 744 psi

BLANK TEST 0.000 15:37

INTERNAL STANDARD VERIFIED 15:37

Xq = 0.095 (0.55%)

EXTERNAL STANDARD 0.078 15:38

X[1] = 0.0779 (-0.0002) (0.0019)

BLANK TEST 0.000 15:38

EXTERNAL STANDARD 0.077 15:39

X[1] = 0.0772 (-0.0010) (0.0021)

BLANK TEST 0.000 15:40

EXTERNAL STANDARD 0.077 15:40

X[1] = 0.0774 (-0.0016) (0.0005)

BLANK TEST 0.000 15:41

EXTERNAL STANDARD 0.078 15:41

X[1] = 0.0778 (-0.0005) (0.0016)

BLANK TEST 0.000 15:42

EXTERNAL STANDARD 0.078 15:42

X[1] = 0.0779 (-0.0007) (0.0023)

BLANK TEST 0.000 15:43

Average = 0.0776

Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 47.3°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.75 V PASSED
(0.98 V - 2.28 V)

Cooler Voltage = 1.62 V PASSED
(1.03 V - 2.39 V)

Bias Voltage = 80 V PASSED
(48 V - 112 V)

Chopper Freq = 545 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.5 in

PUMP INFO

Flow Rate = 4.540 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.003 V <= 0.010 V)

PUMP OFF PASSED
(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.095 0.46% (0.00% - 4.00%) PASSED

LINEARITY CHECK

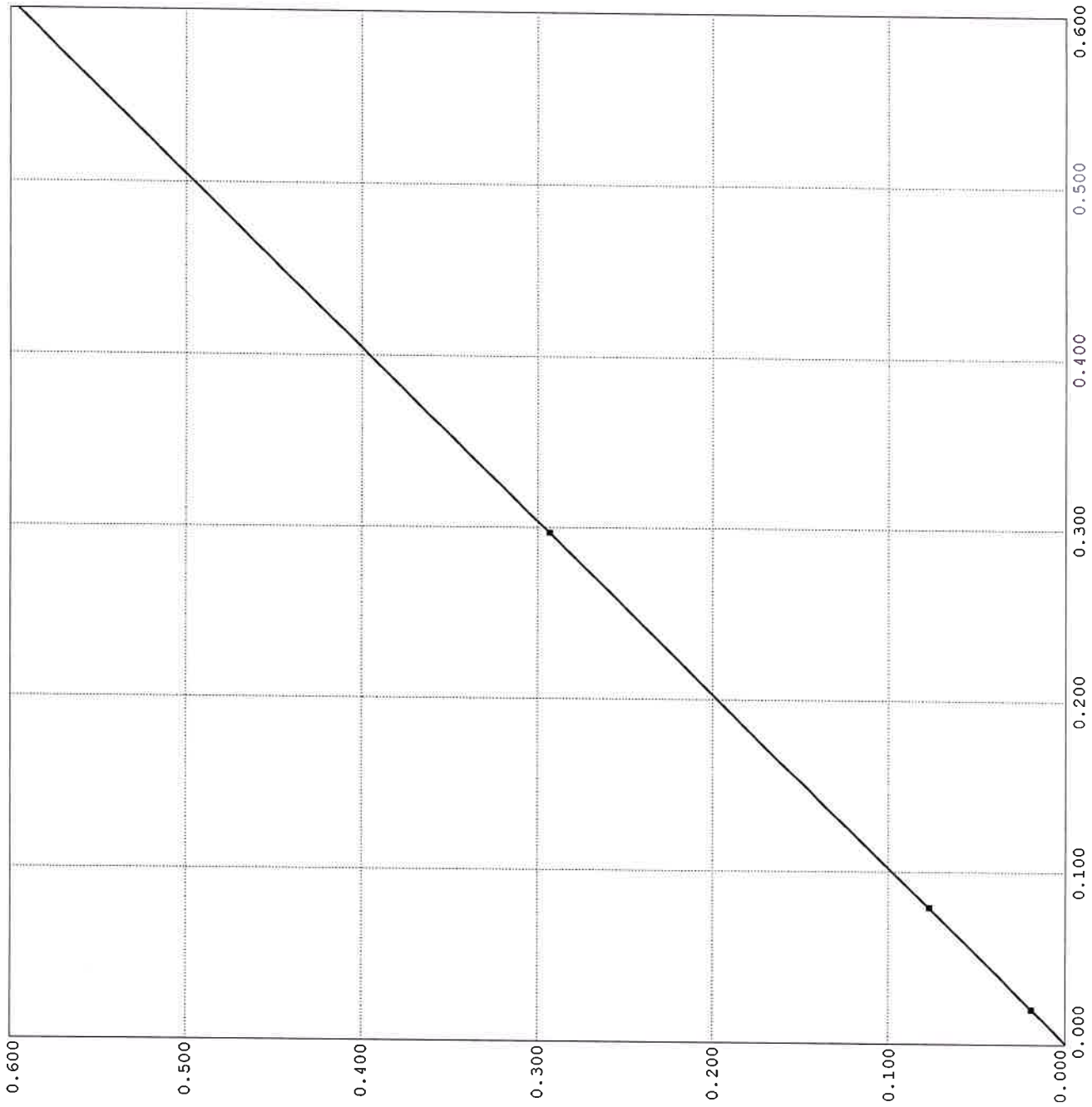
Alaska Department of Public Safety
DATAMASTER dmt: 100382

Date: 03/04/2025
Time: 15:45:01

SUPERVISOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0198	0.0004
0.079	0.0778	0.0004
0.296	0.2938	0.0008

SLOPE = 0.993467
R² = 0.999995



OK

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100382

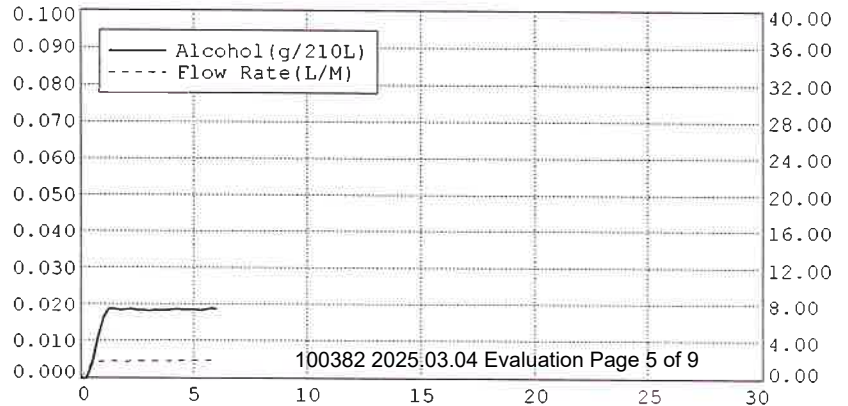
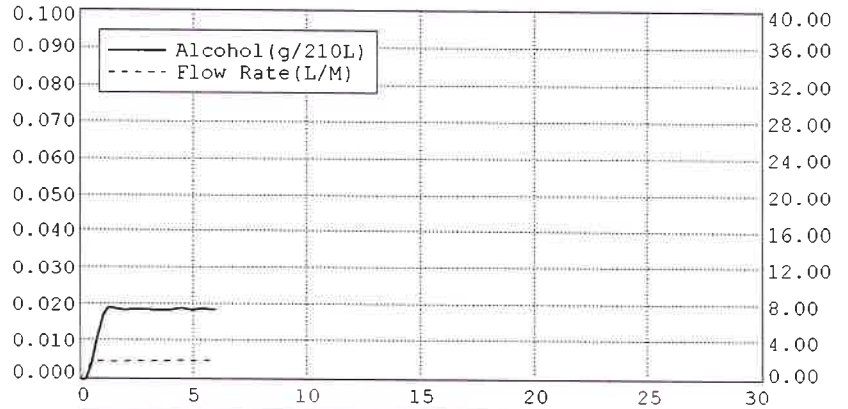
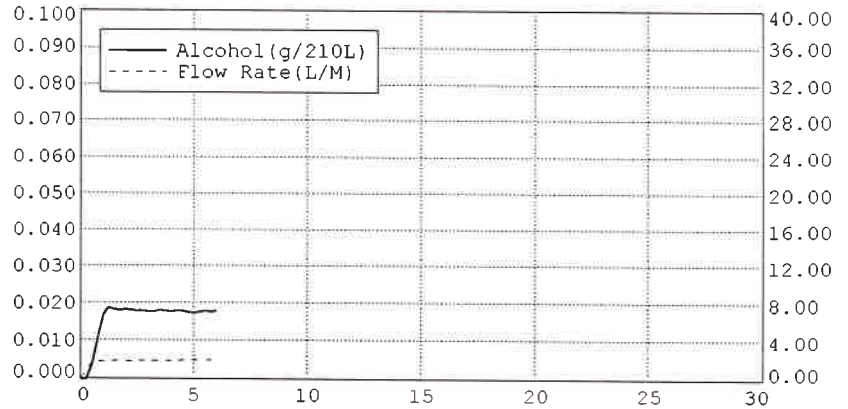
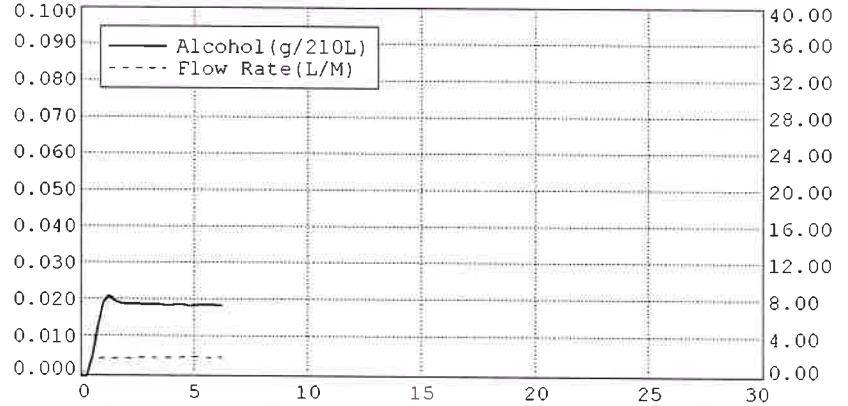
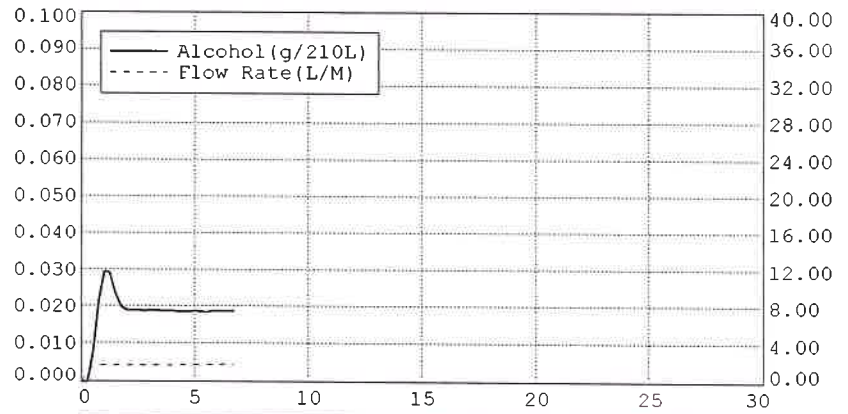
Date: 03/04/2025
Time: 15:45:03

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.53: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 466 psi

BLANK TEST	0.000	15:46
INTERNAL STANDARD	VERIFIED	15:46
EXTERNAL STANDARD	0.020	15:46
BLANK TEST	0.000	15:47
EXTERNAL STANDARD	0.020	15:47
BLANK TEST	0.000	15:48
EXTERNAL STANDARD	0.019	15:48
BLANK TEST	0.000	15:49
EXTERNAL STANDARD	0.020	15:49
BLANK TEST	0.000	15:50
EXTERNAL STANDARD	0.020	15:51
BLANK TEST	0.000	15:51

Average = 0.0198
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100382

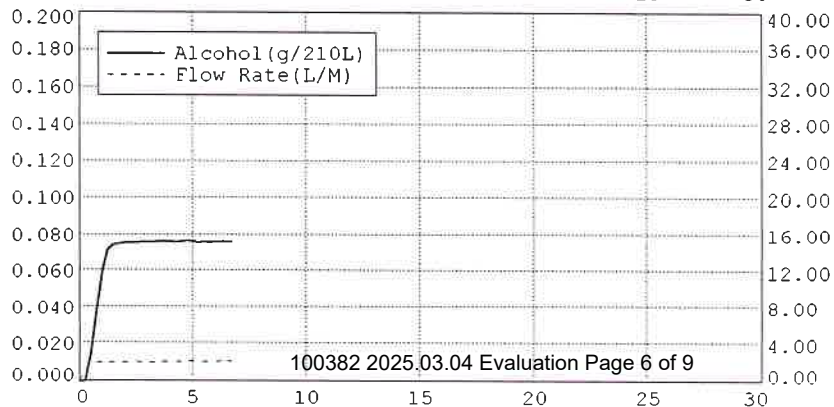
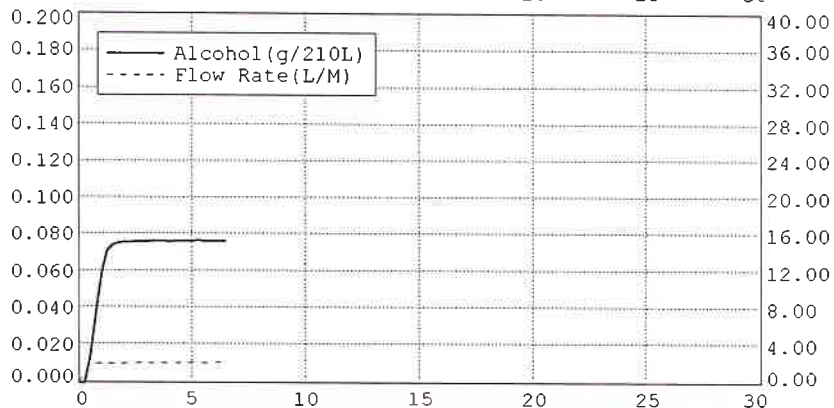
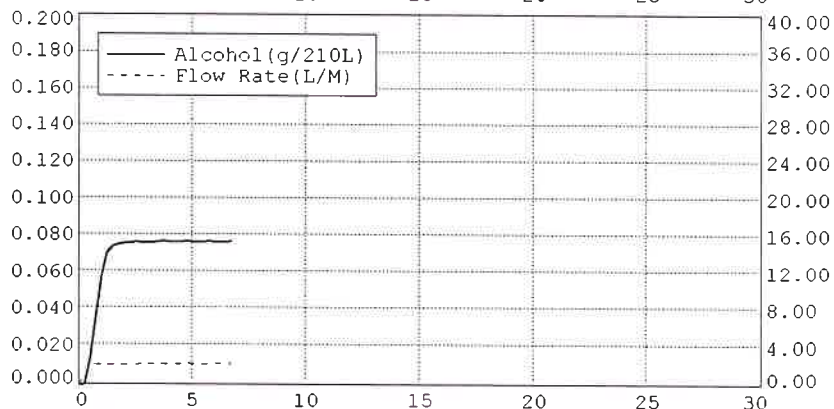
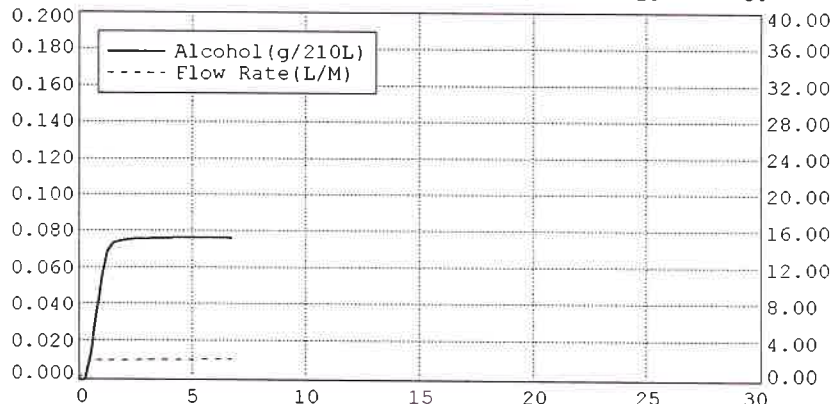
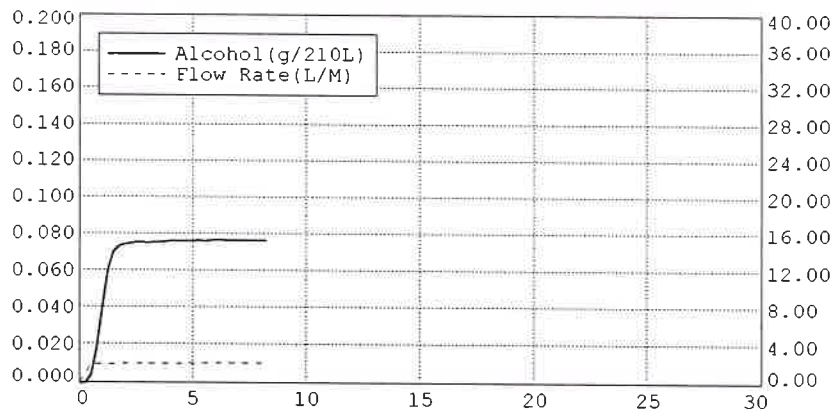
Date: 03/04/2025
Time: 15:52:52

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.53: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 731 psi

BLANK TEST	0.000	15:54
INTERNAL STANDARD	VERIFIED	15:54
EXTERNAL STANDARD	0.078	15:54
BLANK TEST	0.000	15:55
EXTERNAL STANDARD	0.078	15:55
BLANK TEST	0.000	15:56
EXTERNAL STANDARD	0.077	15:56
BLANK TEST	0.000	15:57
EXTERNAL STANDARD	0.078	15:57
BLANK TEST	0.000	15:58
EXTERNAL STANDARD	0.078	15:58
BLANK TEST	0.000	15:59

Average = 0.0778
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100382

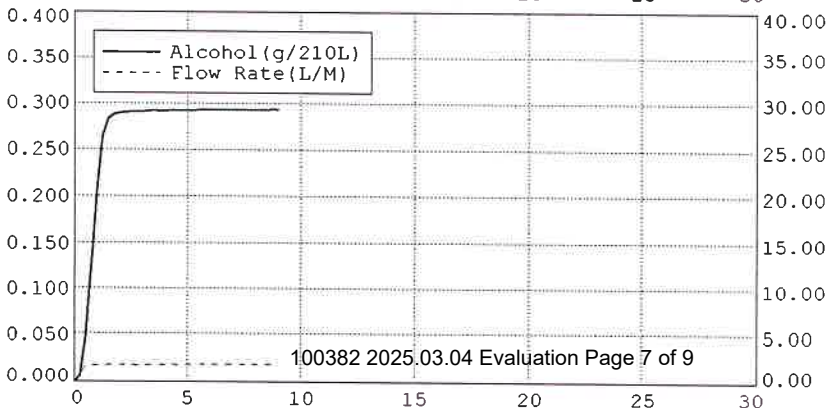
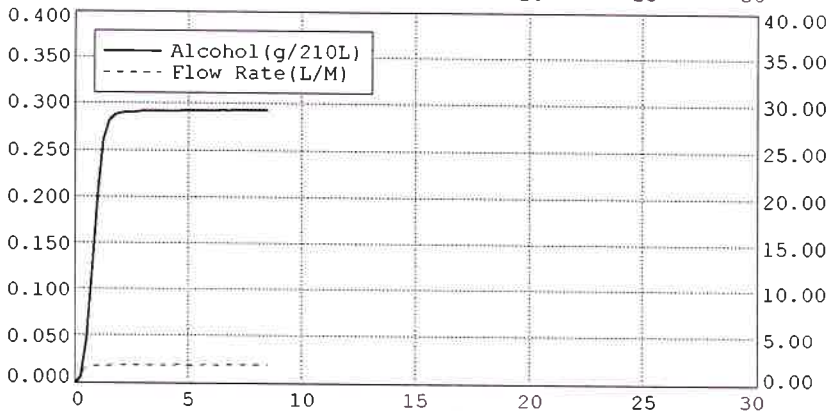
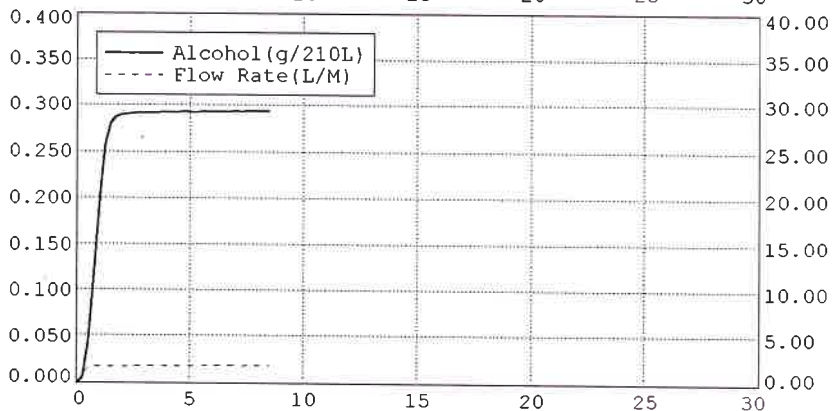
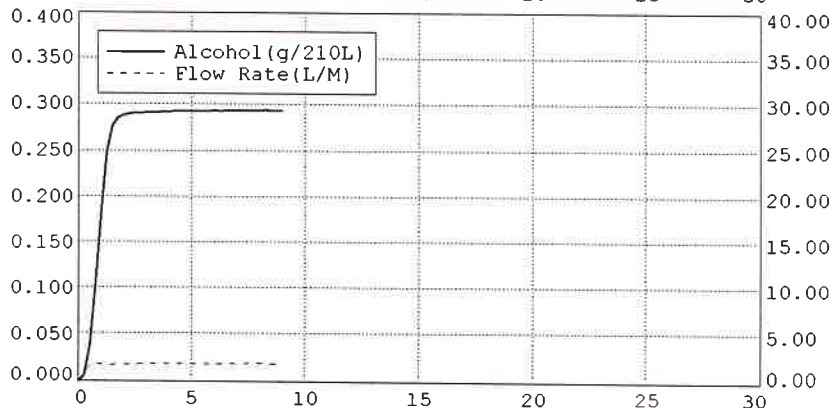
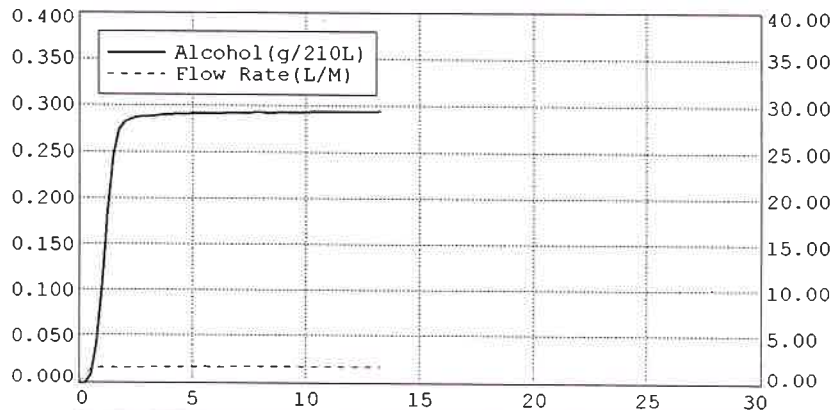
Date: 03/04/2025
Time: 16:00:19

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.52: 0.296
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 333 psi

BLANK TEST	0.000	16:01
INTERNAL STANDARD	VERIFIED	16:01
EXTERNAL STANDARD	0.295	16:01
BLANK TEST	0.000	16:02
EXTERNAL STANDARD	0.294	16:03
BLANK TEST	0.000	16:04
EXTERNAL STANDARD	0.293	16:04
BLANK TEST	0.000	16:05
EXTERNAL STANDARD	0.293	16:05
BLANK TEST	0.000	16:06
EXTERNAL STANDARD	0.294	16:06
BLANK TEST	0.000	16:07

Average = 0.2938
Std Dev = 0.0008



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100382

Date: 03/04/2025

Time: 16:16:26

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

CARLIE GLAISTER

OPERATOR'S #: 10436

DEPT/AGENCY:

NON-DRINKING SUBJECT TEST

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.53: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK

BLANK TEST

INTERNAL STANDARD

EXTERNAL STANDARD

BLANK TEST

SUBJECT SAMPLE (Vol=1.92L)

PASSED 16:17

0.000 16:17

VERIFIED 16:17

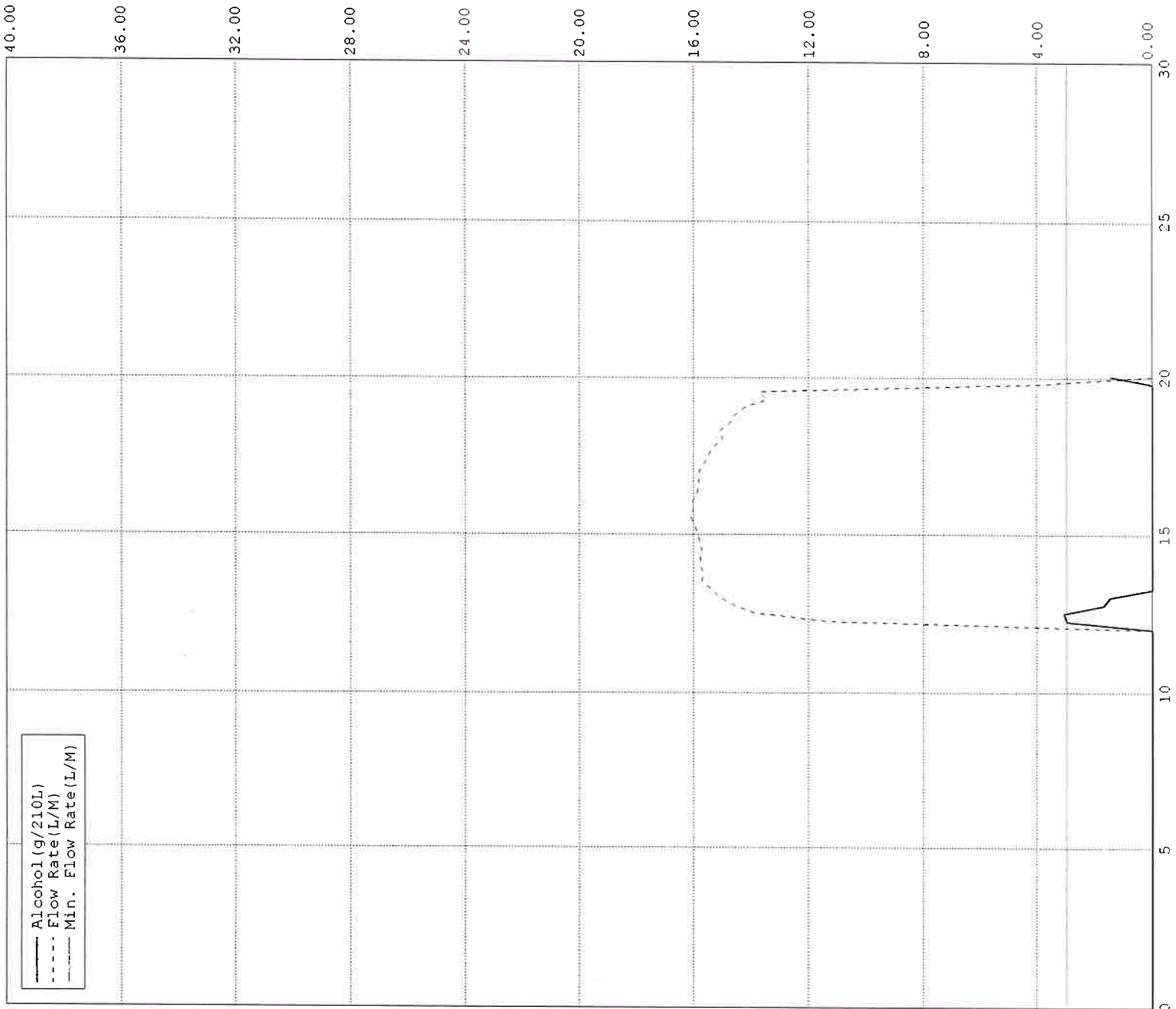
0.079 16:18

0.000 16:19

XXX 16:19

Blank Error

CXG



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100382

Date: 03/04/2025

Time: 16:21:46

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

CARLIE GLAISTER

OPERATOR'S #: 10436

DEPT/AGENCY:

NON-DRINKING SUBJECT TEST

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.52: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK

BLANK TEST

INTERNAL STANDARD

EXTERNAL STANDARD

BLANK TEST

SUBJECT SAMPLE (Vol=1.92L)

BLANK TEST

EXTERNAL STANDARD

BLANK TEST

PASSED 16:23
0.000 16:23
VERIFIED 16:24
0.080 16:24
0.000 16:25
0.000 16:25
0.000 16:26
0.078 16:26
0.000 16:27

Handwritten signature

