

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100374

Analyst/Technician(s): Carlie Glaister

Start Date: 5/22/25

Date Instrument Received: 5/19/25

Reason for instrument evaluation

Lack of agency communication w/ crime lab

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): 29.74 Temperature (C): 22.3 Relative Humidity (%): 21

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

Notes: _____

☒ Attach Non-Drinking Subject Test

Conclusion:

- | | |
|---|---------------------------------------|
| ☐ Ready for Adjustment | ☐ Needs Repair |
| ☒ Ready for Calibration | |

Lab Work End Date: 5/22/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100376

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/22/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.69: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 673 psi

BLANK TEST	0.000	11:29
INTERNAL STANDARD	VERIFIED	11:29
Xq = 0.078 (2.39%)		
EXTERNAL STANDARD	0.078	11:29
X[1] = 0.0778 (-0.0006) (0.0022)		
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.078	11:30
X[1] = 0.0777 (-0.0008) (0.0019)		
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.078	11:32
X[1] = 0.0776 (-0.0014) (0.0015)		
BLANK TEST	0.000	11:32
EXTERNAL STANDARD	0.078	11:33
X[1] = 0.0777 (-0.0016) (0.0014)		
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.078	11:34
X[1] = 0.0780 (-0.0016) (0.0018)		
BLANK TEST	0.000	11:35

Average = 0.0780

Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 49.5°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 47.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.65 V PASSED
(0.98 V - 2.30 V)

Cooler Voltage = 1.66 V PASSED
(1.00 V - 2.32 V)

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

Chopper Freq = 528 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.060 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.002 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 = 0.077 0.57% (0.00% - 4.00%) PASSED

LINEARITY CHECK

Alaska Department of Public Safety
DATAMASTER dmt: 100376

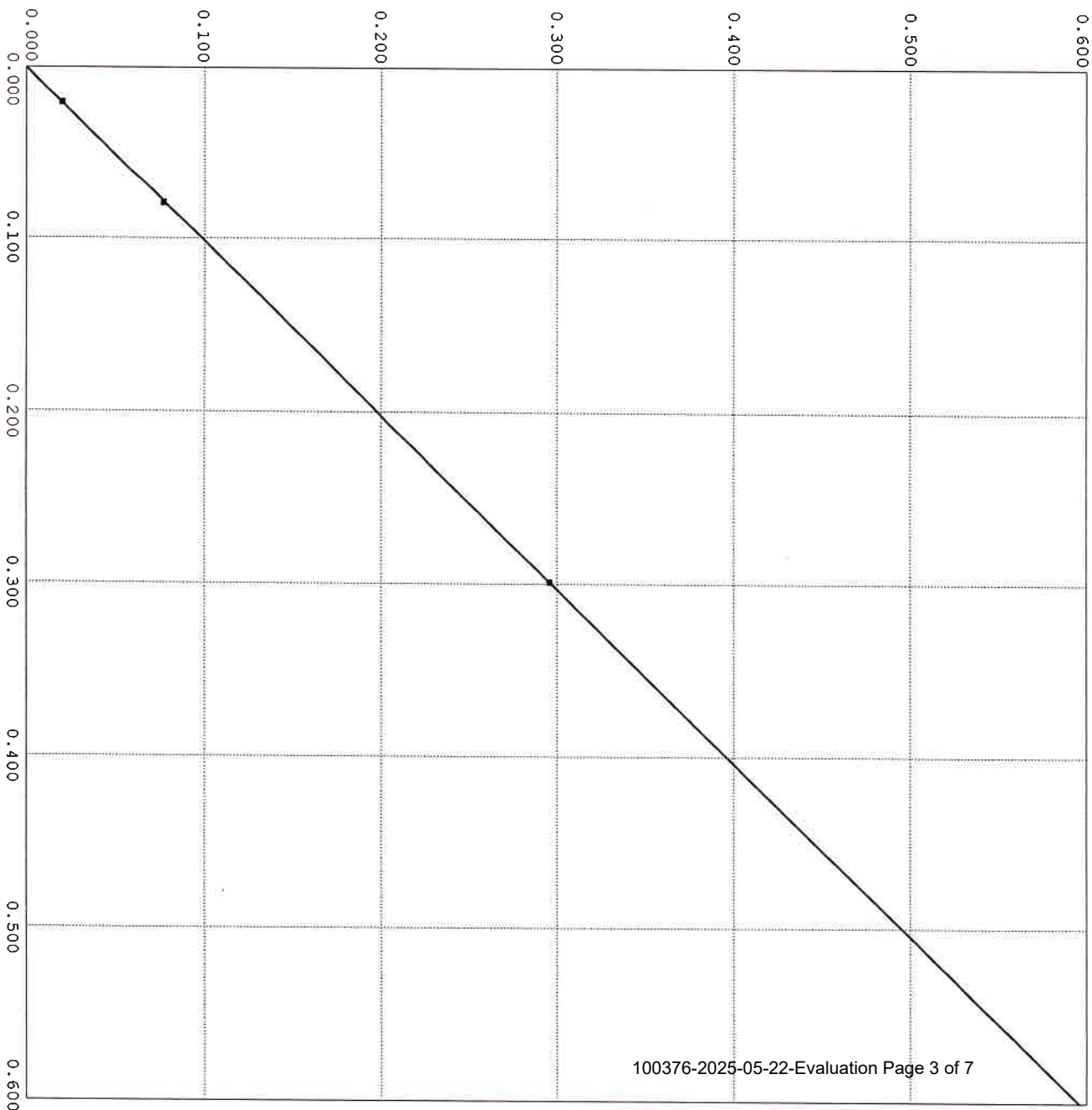
Date: 05/22/2025
Time: 11:38:10

SUPERVISOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0208	0.0004
0.079	0.0780	0.0000
0.298	0.2964	0.0005

SLOPE = 0.992971
R² = 0.999976

CUG



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100376

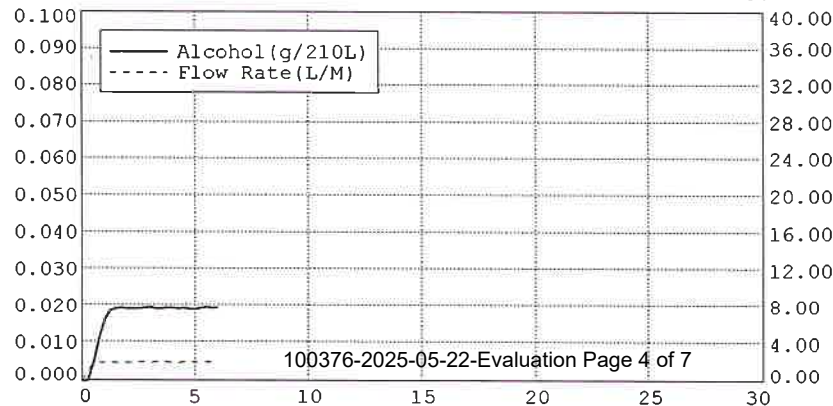
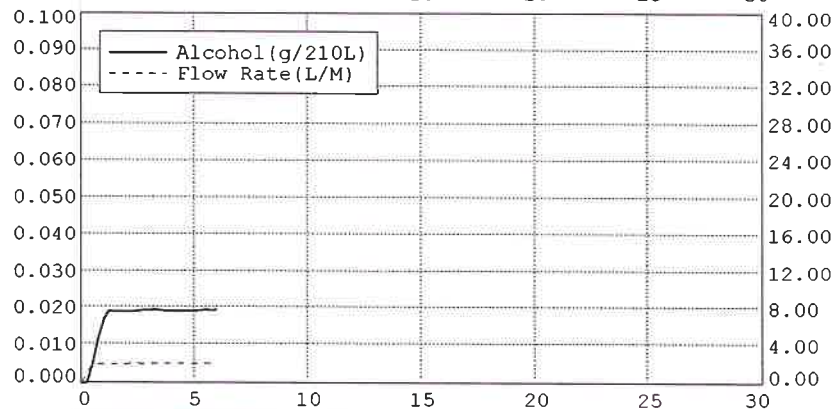
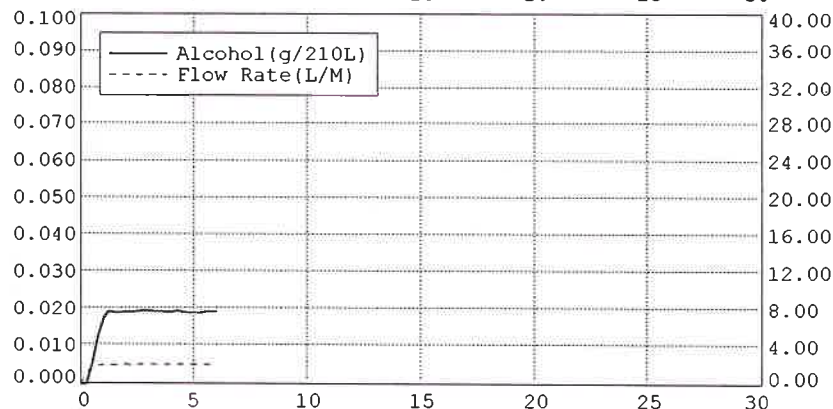
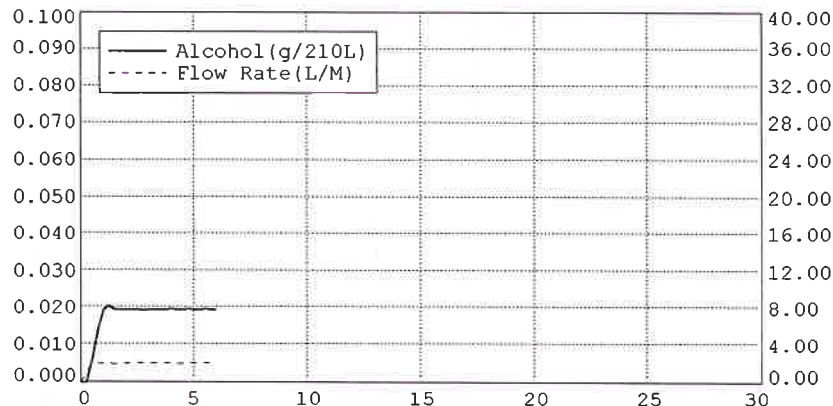
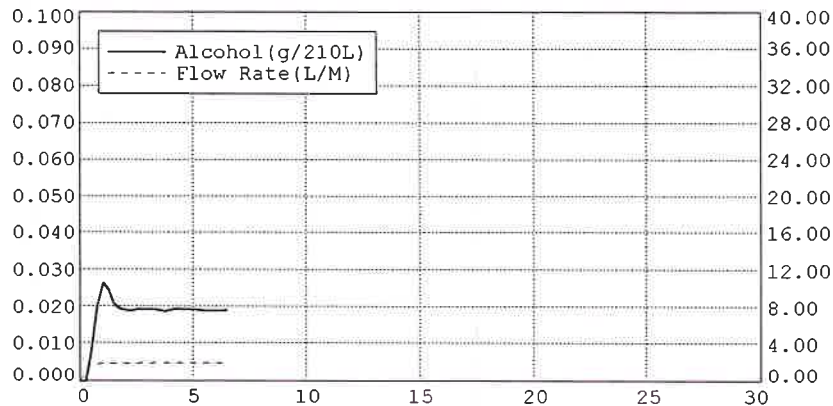
Date: 05/22/2025
Time: 11:38:12

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.70: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 943 psi

BLANK TEST	0.000	11:39
INTERNAL STANDARD	VERIFIED	11:39
EXTERNAL STANDARD	0.021	11:39
BLANK TEST	0.000	11:40
EXTERNAL STANDARD	0.021	11:40
BLANK TEST	0.000	11:41
EXTERNAL STANDARD	0.020	11:42
BLANK TEST	0.000	11:42
EXTERNAL STANDARD	0.021	11:43
BLANK TEST	0.000	11:44
EXTERNAL STANDARD	0.021	11:44
BLANK TEST	0.000	11:45

Average = 0.0208
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100376

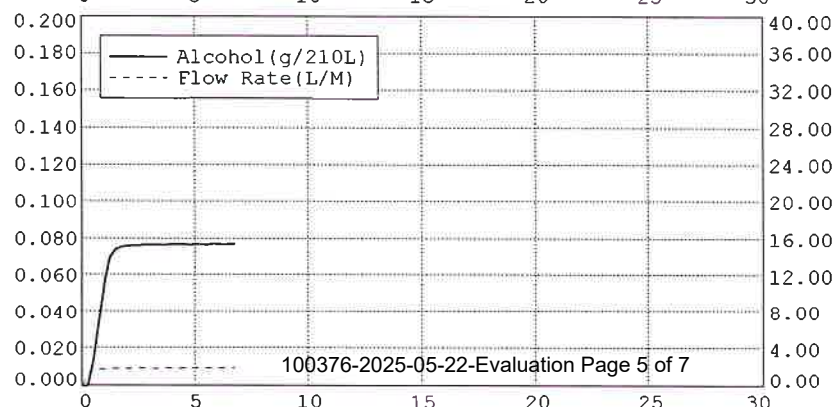
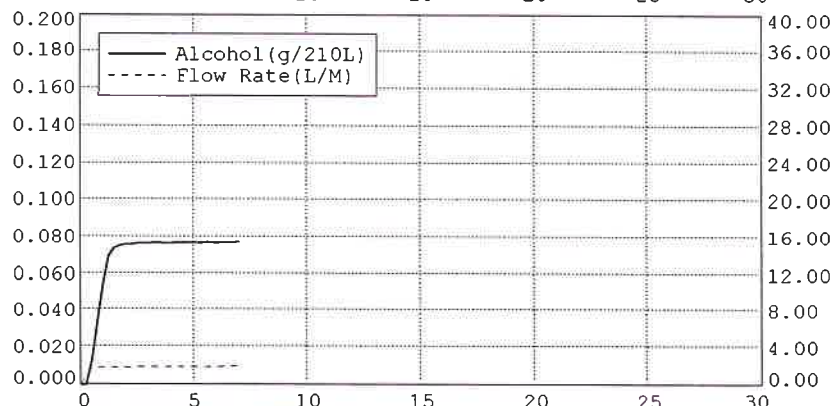
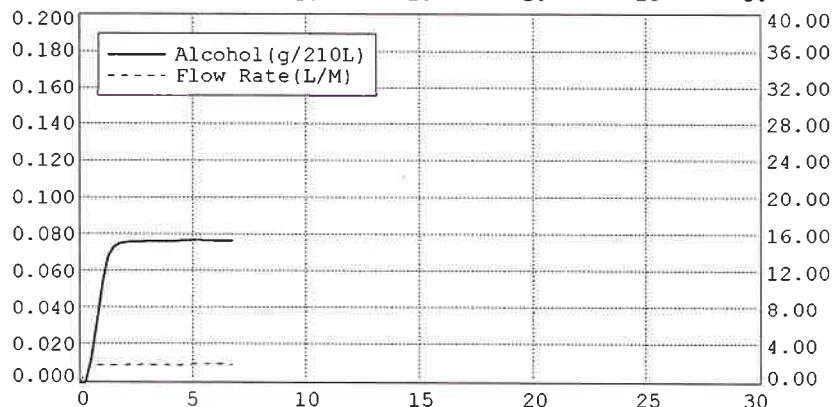
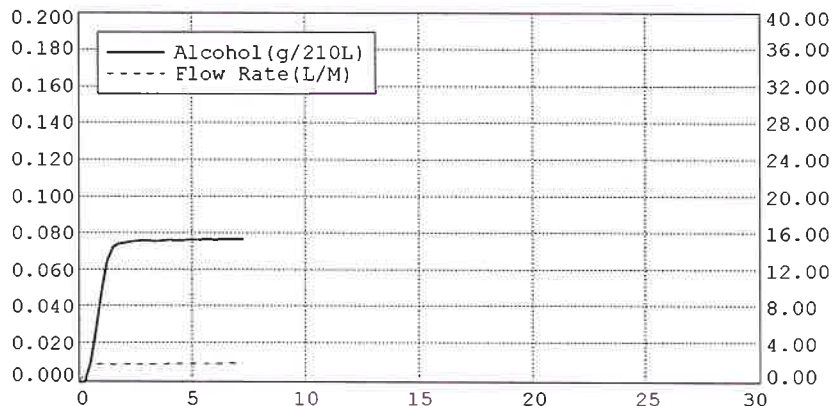
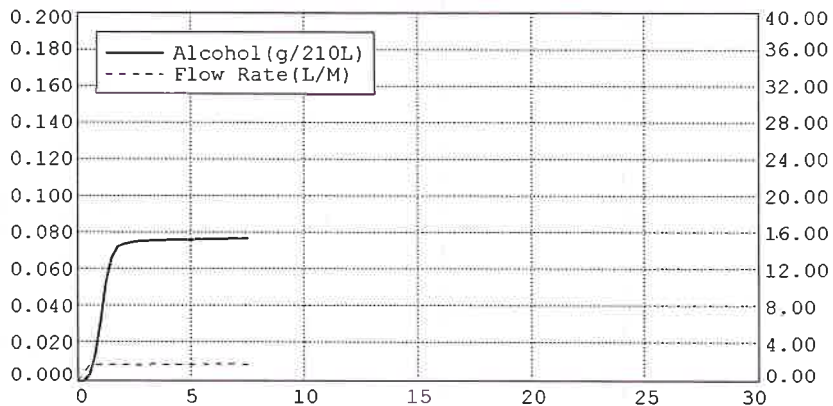
Date: 05/22/2025
Time: 11:45:57

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.70: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 661 psi

BLANK TEST	0.000	11:47
INTERNAL STANDARD	VERIFIED	11:47
EXTERNAL STANDARD	0.078	11:47
BLANK TEST	0.000	11:48
EXTERNAL STANDARD	0.078	11:48
BLANK TEST	0.000	11:49
EXTERNAL STANDARD	0.078	11:49
BLANK TEST	0.000	11:50
EXTERNAL STANDARD	0.078	11:51
BLANK TEST	0.000	11:51
EXTERNAL STANDARD	0.078	11:52
BLANK TEST	0.000	11:53

Average = 0.0780
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100376

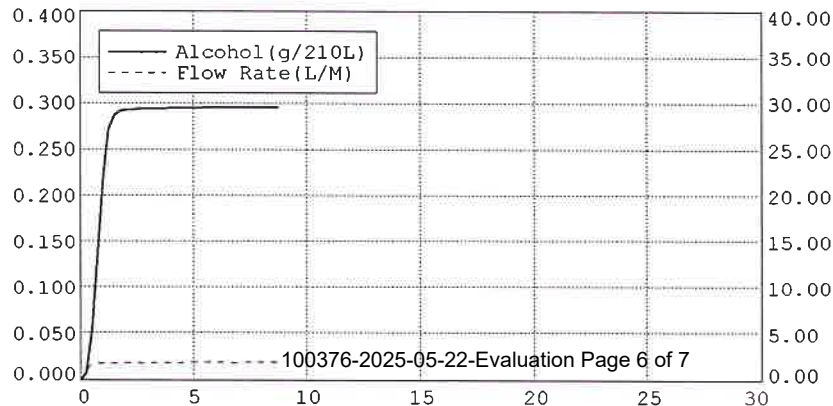
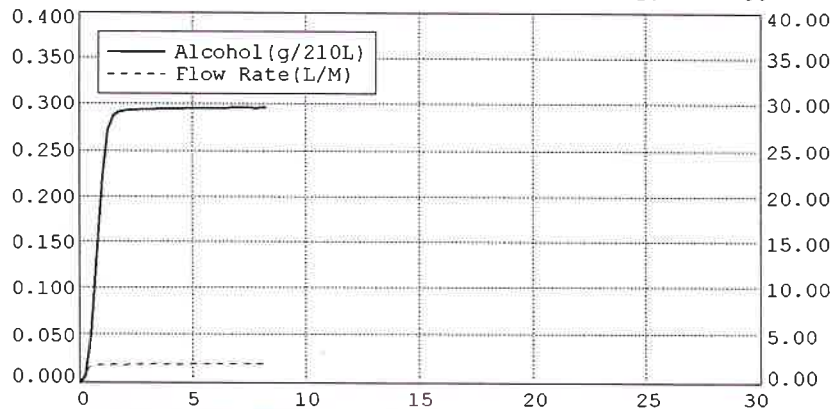
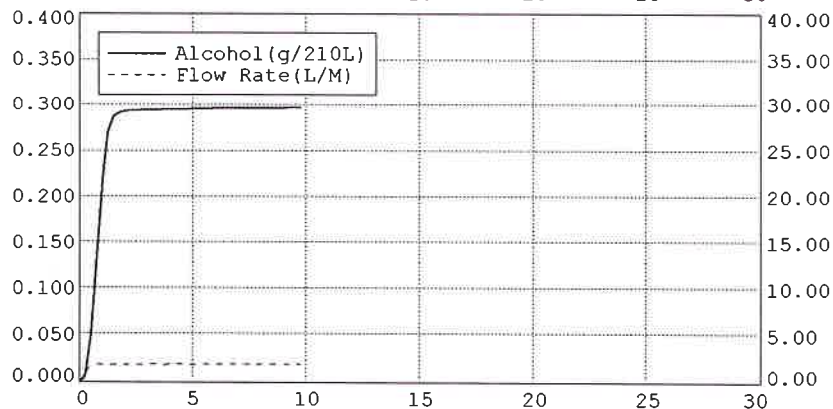
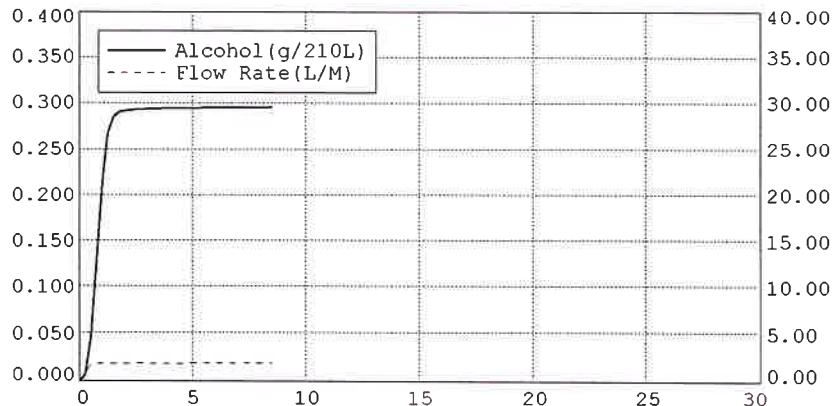
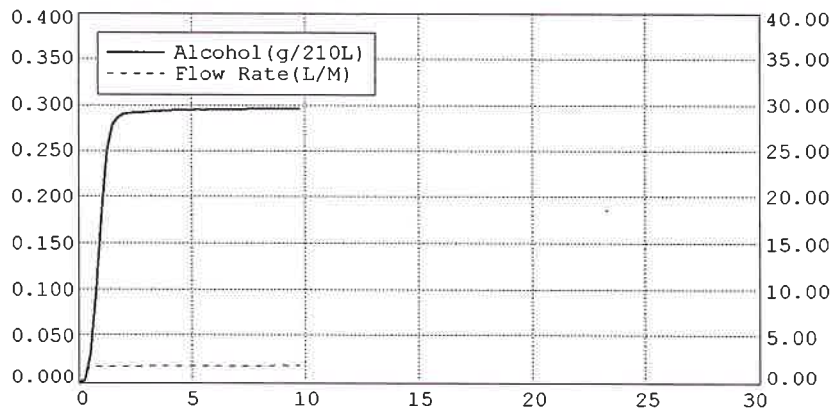
Date: 05/22/2025
Time: 12:01:00

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.70: 0.298
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 229 psi

BLANK TEST	0.000	12:02
INTERNAL STANDARD	VERIFIED	12:02
EXTERNAL STANDARD	0.297	12:02
BLANK TEST	0.000	12:03
EXTERNAL STANDARD	0.296	12:03
BLANK TEST	0.000	12:04
EXTERNAL STANDARD	0.296	12:04
BLANK TEST	0.000	12:05
EXTERNAL STANDARD	0.296	12:05
BLANK TEST	0.000	12:06
EXTERNAL STANDARD	0.297	12:07
BLANK TEST	0.000	12:07

Average = 0.2964
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100376

Date: 05/22/2025
Time: 12:18:01

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 29.69: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

	PASSED	12:19
DIAGNOSTIC CHECK	0.000	12:19
BLANK TEST	0.000	12:19
INTERNAL STANDARD	0.079	12:19
EXTERNAL STANDARD	0.000	12:20
BLANK TEST	0.000	12:20
SUBJECT SAMPLE (Vol=1.52L)	0.000	12:20
BLANK TEST	0.000	12:21
EXTERNAL STANDARD	0.079	12:21
BLANK TEST	0.000	12:22

OK

