

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100255

Analyst/Technician(s): Carlie Blaister

Start Date: 5/22/25

Date Instrument Received: 5/21/25

Reason for instrument evaluation

Detector Overflow

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): 23.2 Relative Humidity (%): 20

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 #: 100255

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/22/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.71: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 127 psi

BLANK TEST	0.000	12:43
INTERNAL STANDARD	VERIFIED	12:43
Xg = 0.077 (0.57%)		
EXTERNAL STANDARD	0.077	12:43
X[1] = 0.0766 (-0.0010) (0.0020)		
BLANK TEST	0.000	12:44
EXTERNAL STANDARD	0.076	12:44
X[1] = 0.0765 (-0.0014) (0.0015)		
BLANK TEST	0.000	12:45
EXTERNAL STANDARD	0.077	12:45
X[1] = 0.0769 (-0.0009) (0.0017)		
BLANK TEST	0.000	12:46
EXTERNAL STANDARD	0.077	12:46
X[1] = 0.0765 (-0.0015) (0.0009)		
BLANK TEST	0.000	12:47
EXTERNAL STANDARD	0.077	12:47
X[1] = 0.0769 (-0.0009) (0.0011)		
BLANK TEST	0.000	12:48

Average = 0.0768

Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 2.05

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 45.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.55 V PASSED
(0.93 V - 2.17 V)

Cooler Voltage = 1.74 V PASSED
(1.04 V - 2.44 V)

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

Chopper Freq = 524 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.485 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 PASSED

Xg = 0.077 0.23% (0.00% - 4.00%)

LINEARITY CHECK

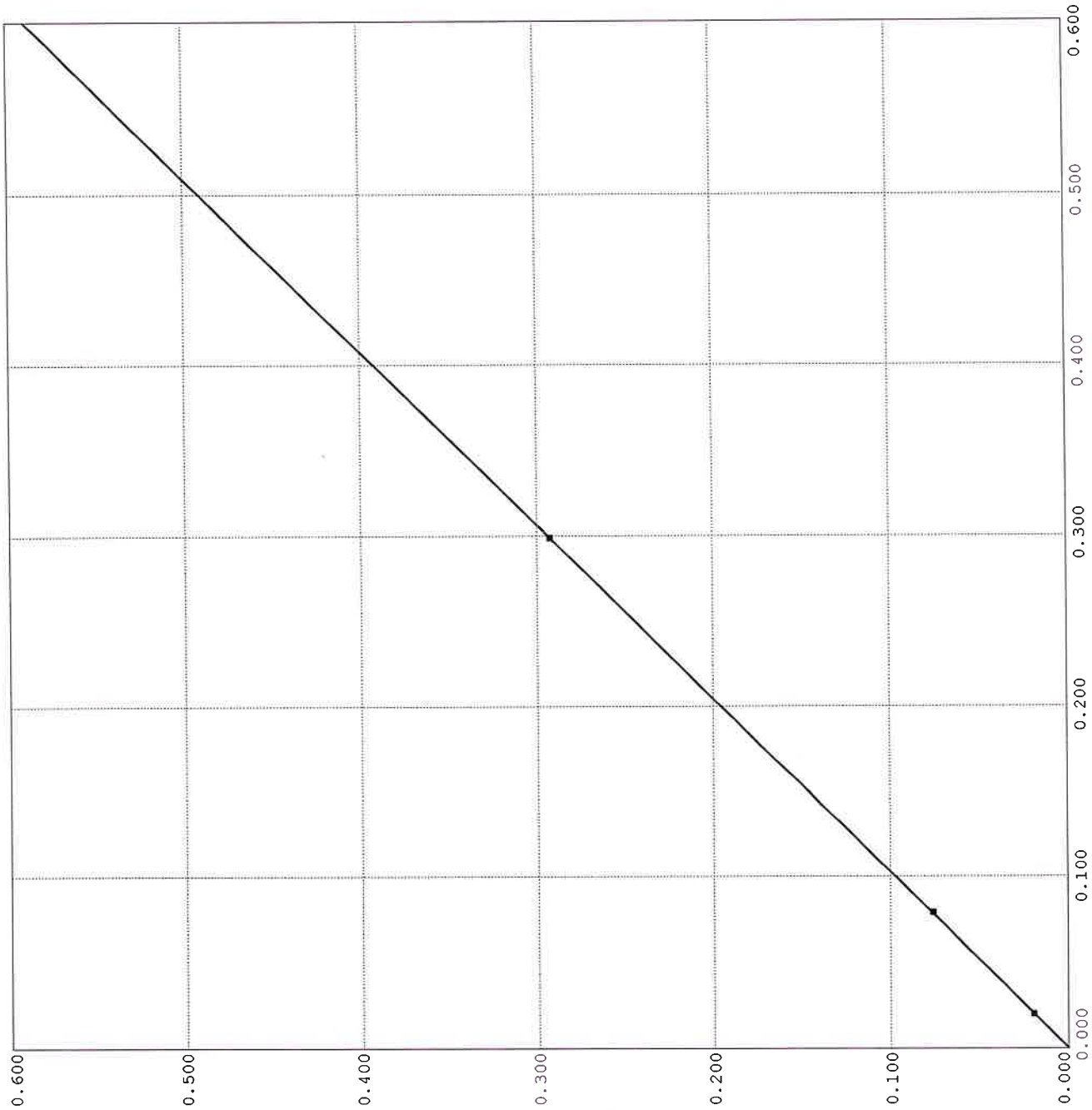
 Alaska Department of Public Safety
 DATAMASTER dmt: 100255

Date: 05/22/2025
 Time: 12:50:16

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.079	0.0770	0.0000
0.298	0.2932	0.0004

SLOPE	= 0.983954
R ²	= 0.999986



DVG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100255

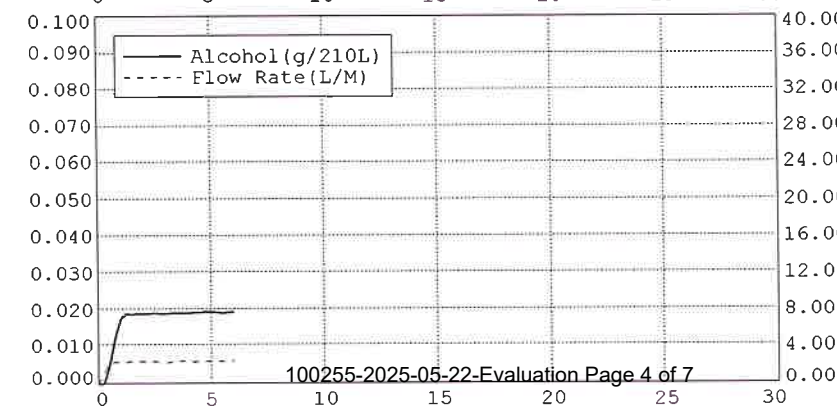
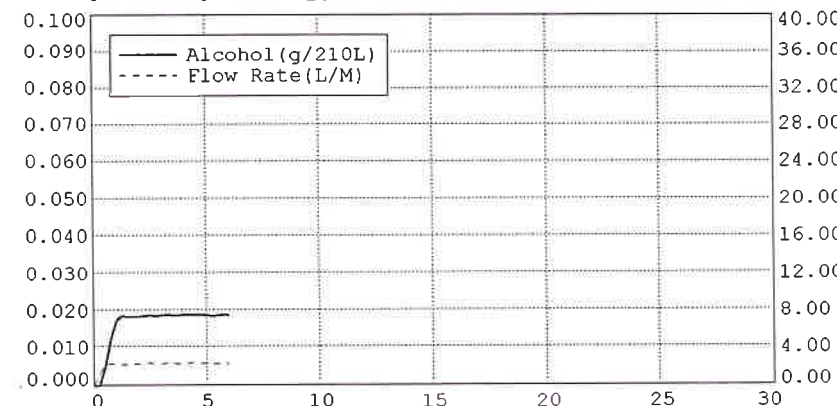
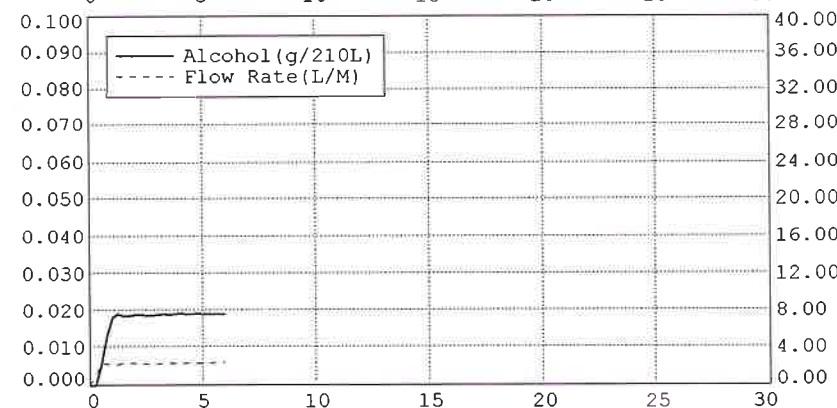
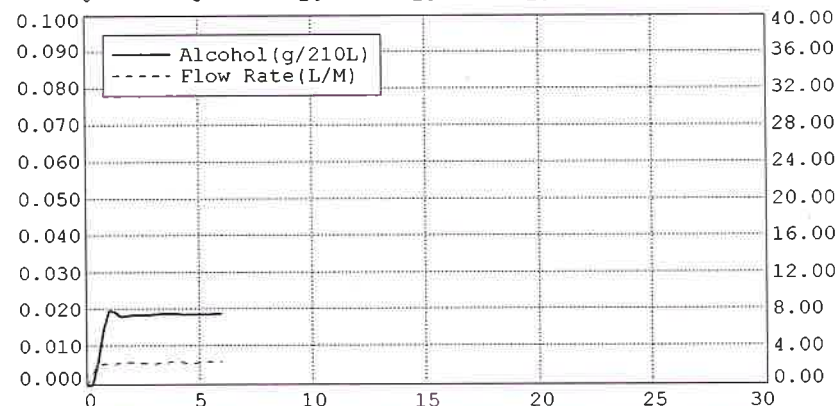
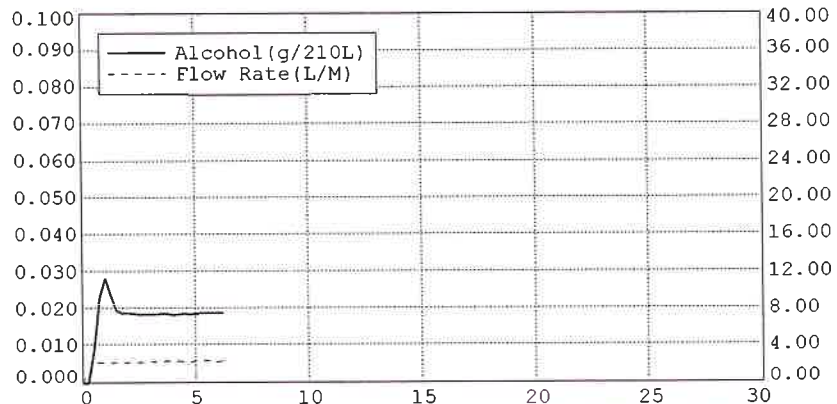
Date: 05/22/2025
Time: 12:50:18

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.71: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 939 psi

BLANK TEST	0.000	12:51
INTERNAL STANDARD	VERIFIED	12:51
EXTERNAL STANDARD	0.020	12:51
BLANK TEST	0.000	12:52
EXTERNAL STANDARD	0.020	12:52
BLANK TEST	0.000	12:53
EXTERNAL STANDARD	0.020	12:53
BLANK TEST	0.000	12:54
EXTERNAL STANDARD	0.020	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.020	12:55
BLANK TEST	0.000	12:56

Average = 0.0200
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100255

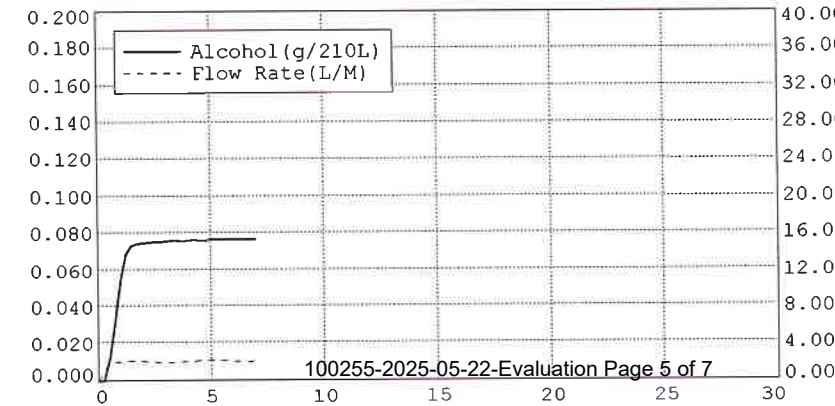
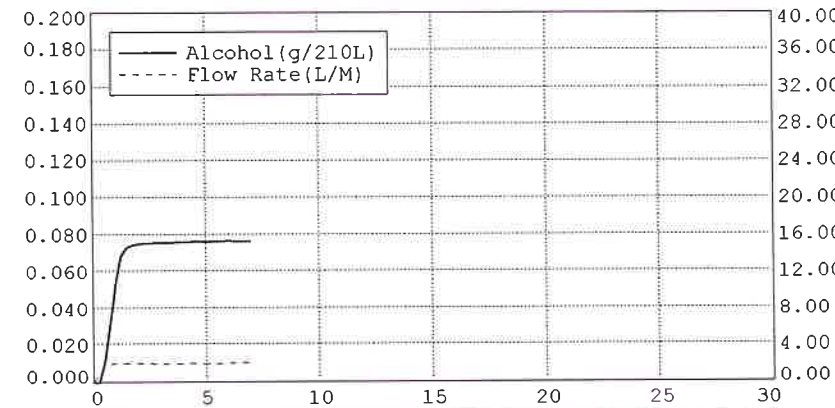
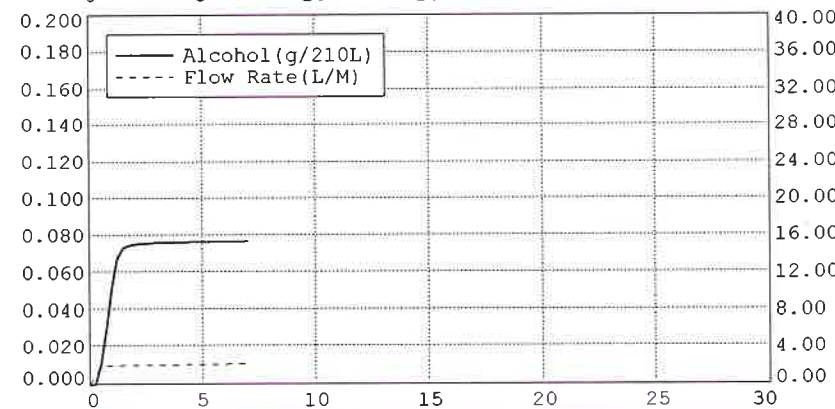
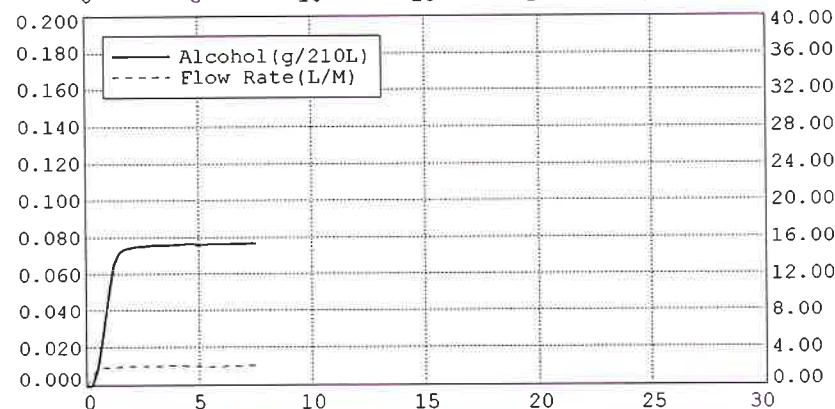
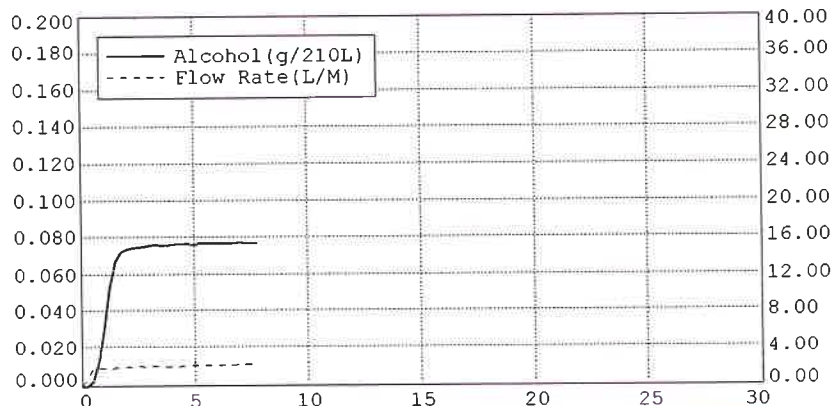
Date: 05/22/2025
Time: 12:57:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.72: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 288 psi

BLANK TEST	0.000	12:58
INTERNAL STANDARD	VERIFIED	12:58
EXTERNAL STANDARD	0.077	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.077	13:00
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.077	13:01
BLANK TEST	0.000	13:02
EXTERNAL STANDARD	0.077	13:02
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.077	13:03
BLANK TEST	0.000	13:04

Average = 0.0770
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100255

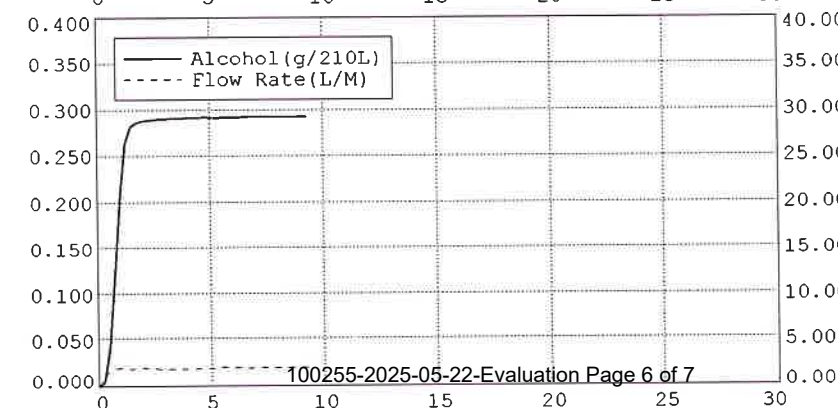
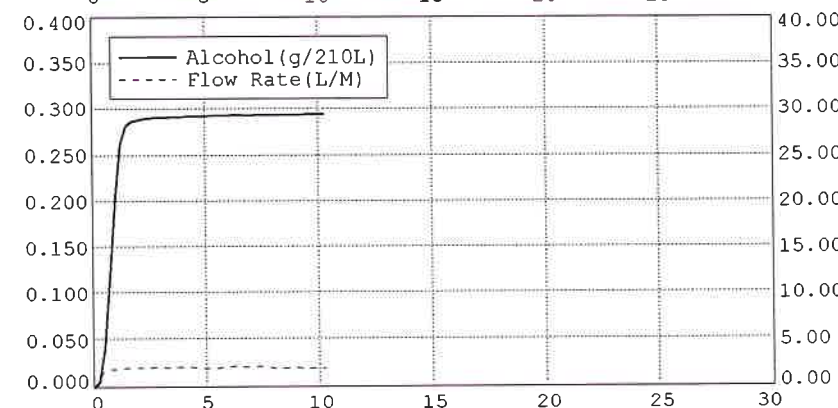
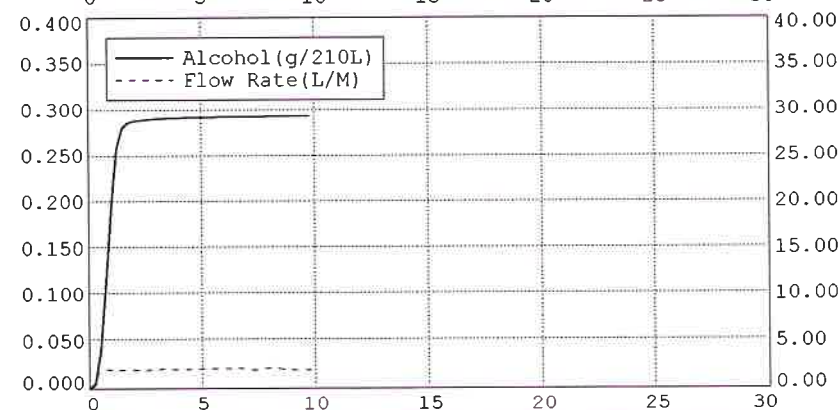
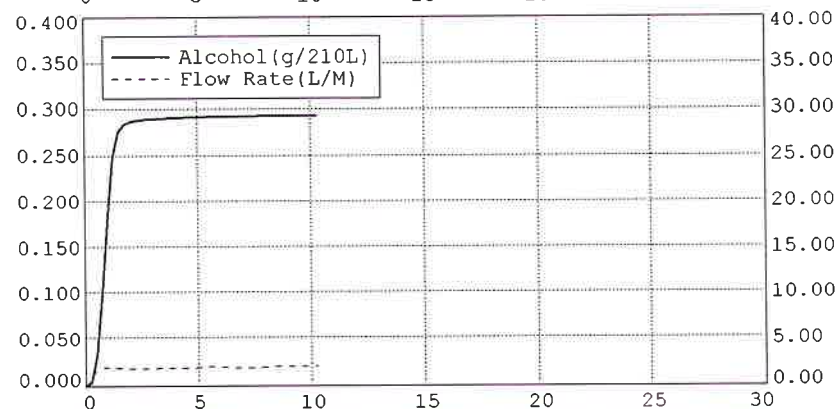
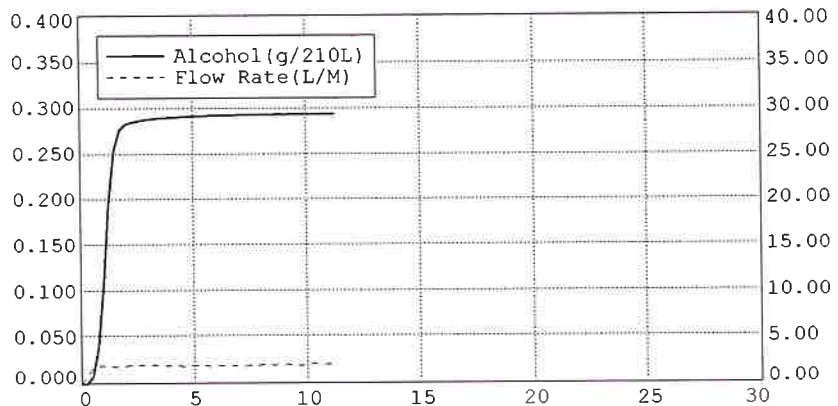
Date: 05/22/2025
Time: 13:05:38

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.71: 0.298
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 220 psi

BLANK TEST	0.000	13:07
INTERNAL STANDARD	VERIFIED	13:07
EXTERNAL STANDARD	0.294	13:07
BLANK TEST	0.000	13:08
EXTERNAL STANDARD	0.293	13:08
BLANK TEST	0.000	13:09
EXTERNAL STANDARD	0.293	13:09
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.293	13:10
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.293	13:11
BLANK TEST	0.000	13:12

Average = 0.2932
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100255

Date: 05/22/2025
 Time: 13:15:18

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 29.72: 0.079
 LOT #: AG335202
 EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:22
BLANK TEST	0.000	13:22
INTERNAL STANDARD	VERIFIED	13:22
EXTERNAL STANDARD	0.079	13:22
BLANK TEST	0.000	13:23
SUBJECT SAMPLE (Vol=1.88L)	0.000	13:24
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.078	13:25
BLANK TEST	0.000	13:26

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