

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100345

Analyst/Technician(s): Kaja Swisher

Start Date: 12/16/25

Date Instrument Received: 12/16/25

Reason for instrument evaluation

filter wheel errors.

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): 29.22 Temperature (C): 20.1 Relative Humidity (%) 0

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

Notes: VOC failed 2 times before performing passing test.
Both filter wheel errors. Recommend repair.

☒ Attach Non-Drinking Subject Test

Conclusion:

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

Lab Work End Date: 12/16/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100345

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/16/2025

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

Filter Wheel Error

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External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.19: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1205 psi

BLANK TEST	0.000	10:08
INTERNAL STANDARD	VERIFIED	10:08
Xq = 0.093 (1.76%)		
EXTERNAL STANDARD	0.077	10:08
X[1] = 0.0766 (-0.0043) (-0.0022)		
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.076	10:10
X[1] = 0.0763 (-0.0043) (-0.0012)		
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.077	10:11
X[1] = 0.0765 (-0.0039) (-0.0011)		
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.077	10:12
X[1] = 0.0766 (-0.0039) (-0.0006)		
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.076	10:13
X[1] = 0.0763 (-0.0047) (-0.0008)		
BLANK TEST	0.000	10:14

Average = 0.0766
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.72 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.59 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 512 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.162 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 = 0.094 0.65%	PASSED
(0.00% - 4.00%)	

LINEARITY CHECK

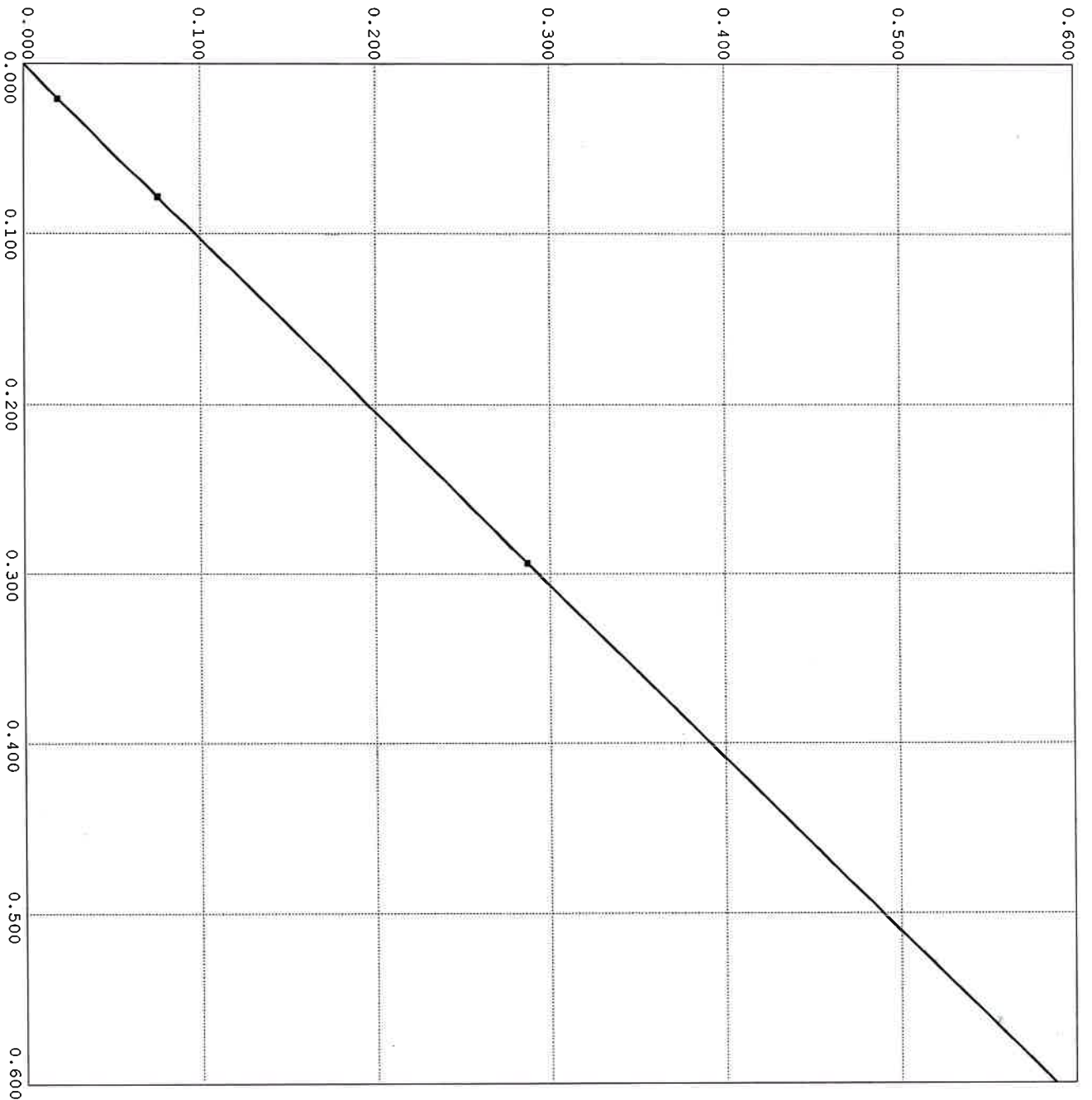
Alaska Department of Public Safety
DATAMASTER dmt: 100345

Date: 12/16/2025
Time: 10:18:21

SUPERVISOR NAME:
KALUA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0198	0.0004
0.078	0.0770	0.0007
0.293	0.2876	0.0009

SLOPE = 0.980567
 R^2 = 0.999999



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100345

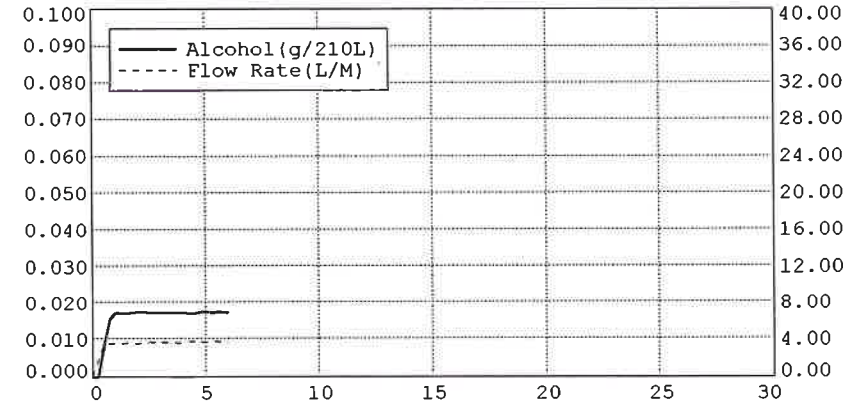
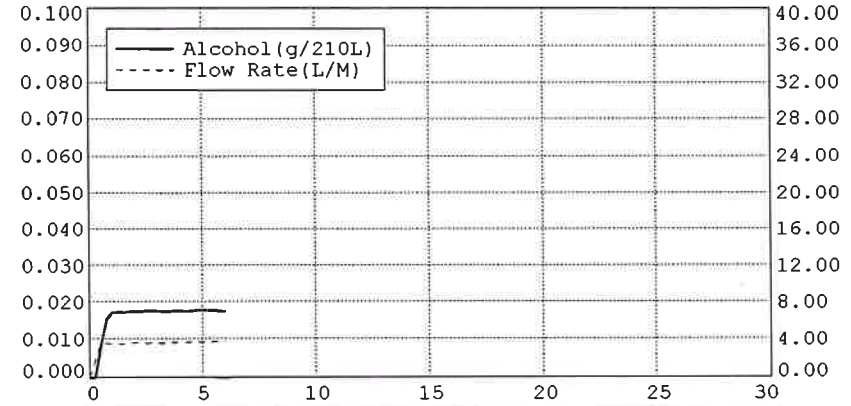
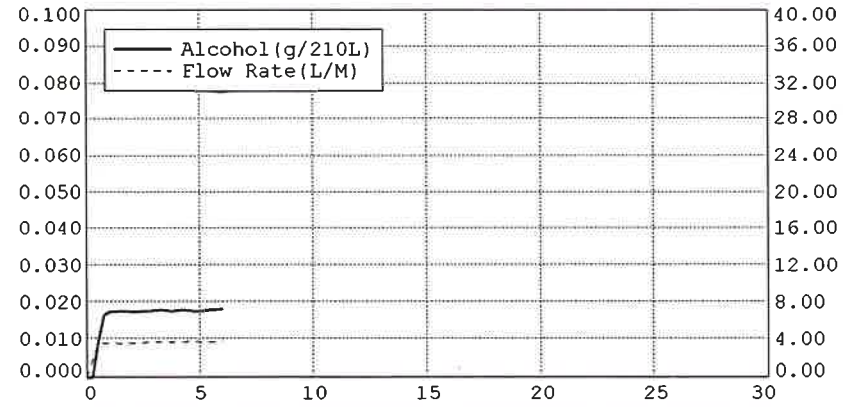
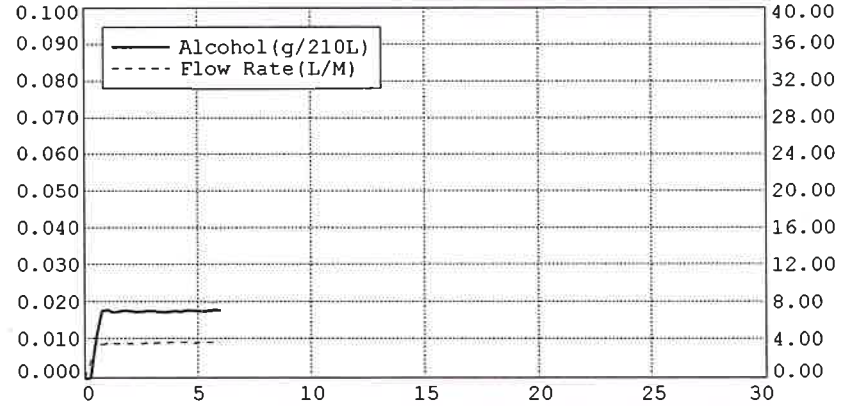
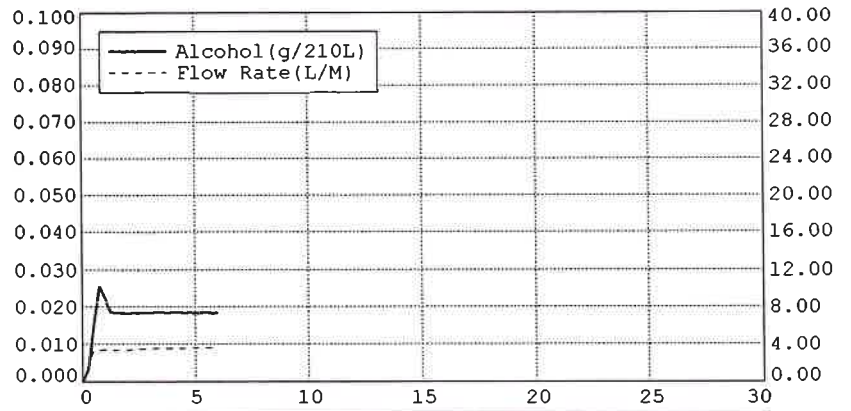
Date: 12/16/2025
Time: 10:18:23

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.19: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 699 psi

TEST TYPE	CONCENTRATION	TIME
BLANK TEST	0.000	10:19
INTERNAL STANDARD	VERIFIED	10:20
EXTERNAL STANDARD	0.020	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.020	10:21
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.020	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.020	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.019	10:24
BLANK TEST	0.000	10:25

Average = 0.0198
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100345

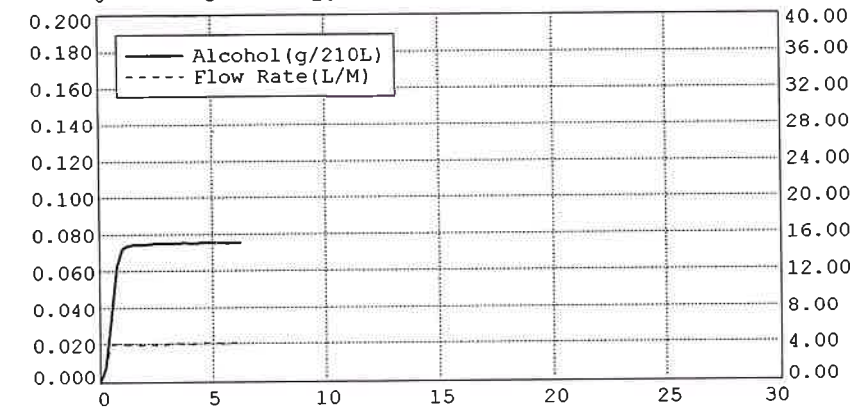
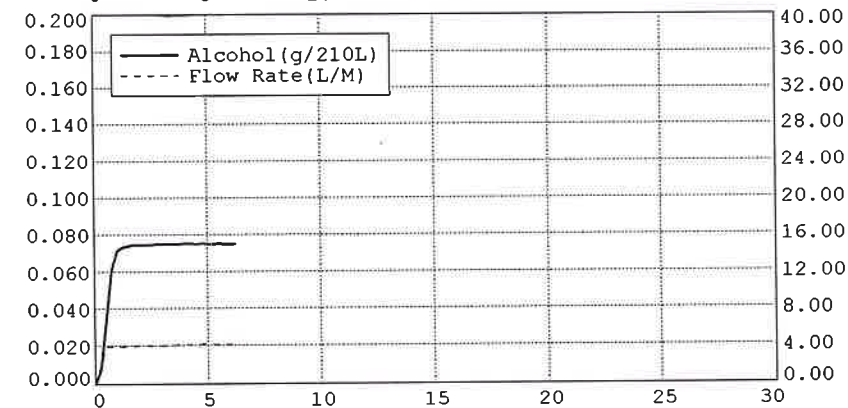
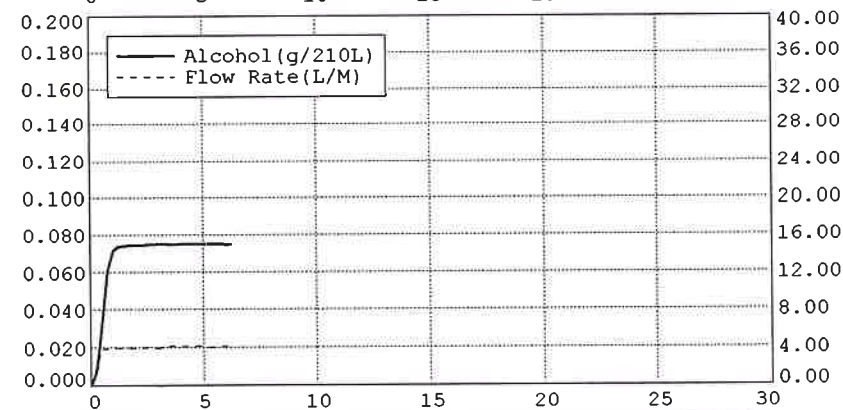
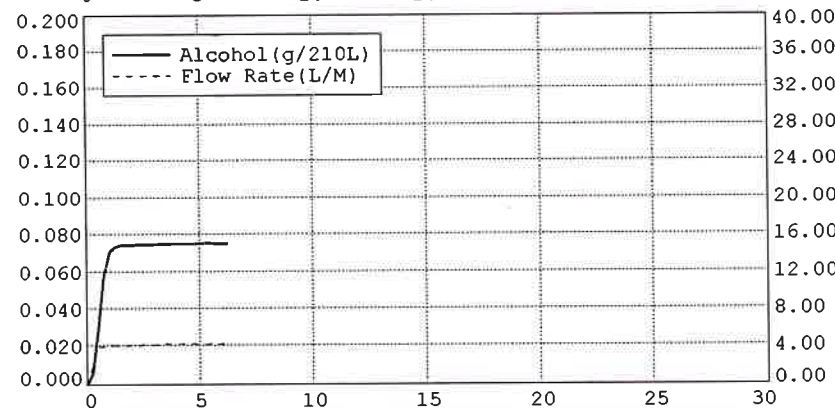
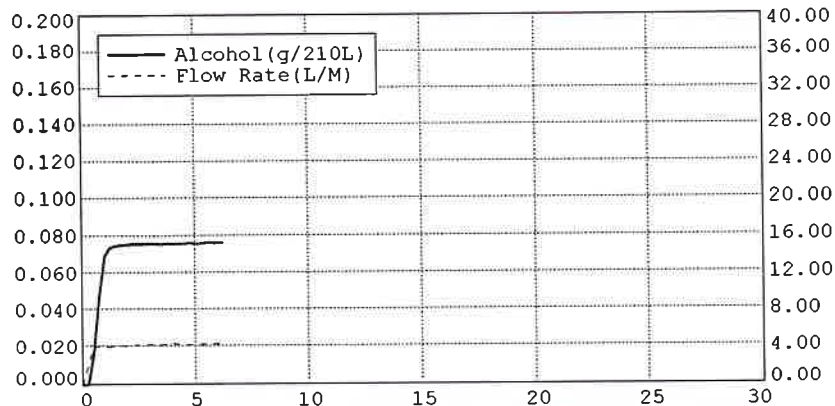
Date: 12/16/2025
Time: 10:26:50

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.19: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1171 psi

TEST TYPE	CONCENTRATION	TIME
BLANK TEST	0.000	10:28
INTERNAL STANDARD	VERIFIED	10:28
EXTERNAL STANDARD	0.078	10:28
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.077	10:29
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.077	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.076	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.077	10:33
BLANK TEST	0.000	10:33

Average = 0.0770
Std Dev = 0.0007



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100345

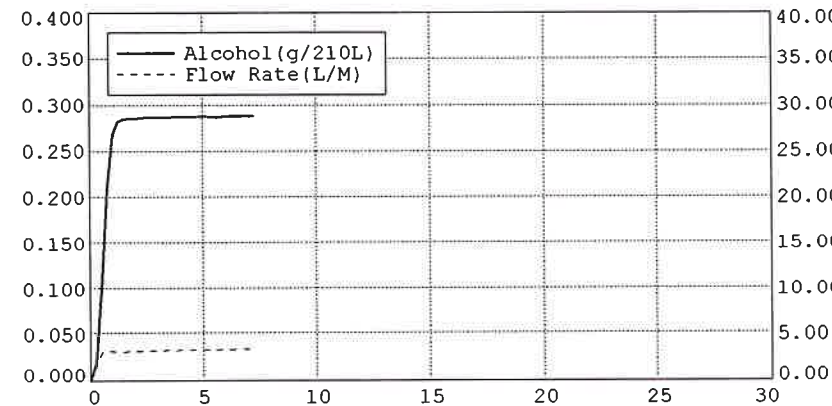
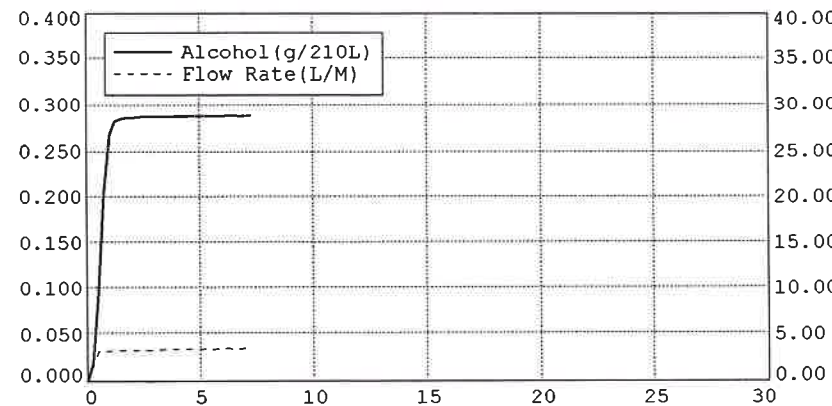
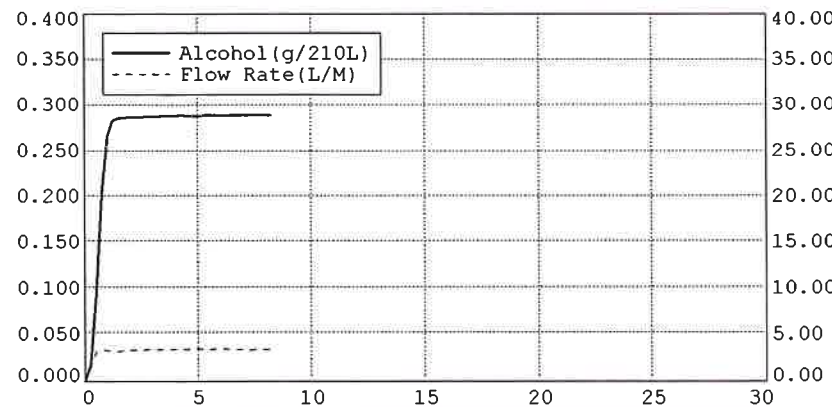
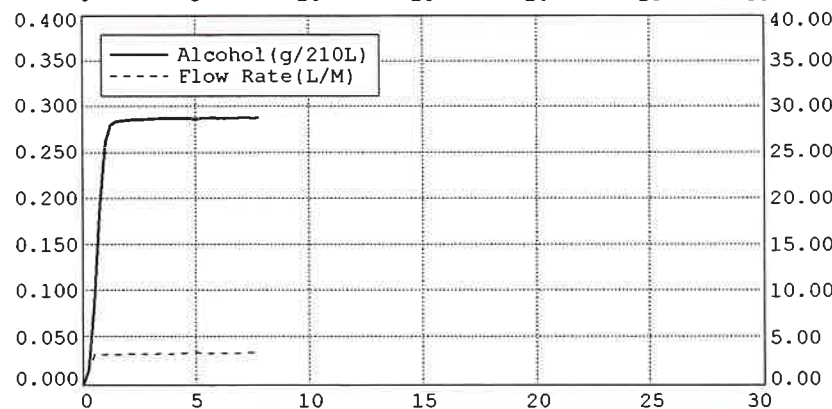
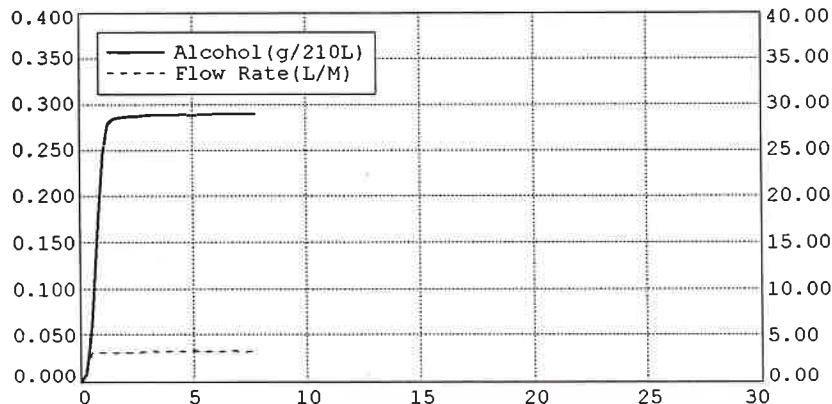
Date: 12/16/2025
Time: 10:45:20

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.19: 0.293
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 271 psi

BLANK TEST	0.000	10:46
INTERNAL STANDARD	VERIFIED	10:46
EXTERNAL STANDARD	0.289	10:46
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.287	10:47
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.287	10:49
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.287	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.288	10:51
BLANK TEST	0.000	10:52

Average = 0.2876
Std Dev = 0.0009



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100345

Date: 12/16/2025
Time: 10:57:33

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.18: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026

DIAGNOSTIC CHECK	PASSED	10:58
BLANK TEST	0.000	10:58
INTERNAL STANDARD	VERIFIED	10:58
EXTERNAL STANDARD	0.077	10:59
BLANK TEST	0.000	10:59
SUBJECT SAMPLE (Vol=2.30L)	0.000	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.077	11:01
BLANK TEST	0.000	11:02

