

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100403

Analyst/Technician(s): Kayla Swisher

Start Date: 11/17/25

Date Instrument Received: 11/17/25

Reason for instrument evaluation

Preventative Maintenance.

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): 29.38 Temperature (C): 20.8 Relative Humidity (%) 16

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: 11/18/25

Page 1 of 1

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100403

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/17/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.11: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1196 psi

BLANK TEST	0.000	14:37
INTERNAL STANDARD	VERIFIED	14:37
Xq = 0.075 (1.40%)		
EXTERNAL STANDARD	0.082	14:37
X[1] = 0.0822 (-0.0017) (-0.0032)		
BLANK TEST	0.000	14:38
EXTERNAL STANDARD	0.080	14:39
X[1] = 0.0802 (-0.0019) (-0.0020)		
BLANK TEST	0.000	14:39
EXTERNAL STANDARD	0.080	14:40
X[1] = 0.0798 (-0.0010) (-0.0023)		
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.080	14:41
X[1] = 0.0802 (-0.0012) (-0.0021)		
BLANK TEST	0.000	14:42
EXTERNAL STANDARD	0.080	14:42
X[1] = 0.0801 (-0.0007) (-0.0025)		
BLANK TEST	0.000	14:43

Average = 0.0804
Std Dev = 0.0009

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 = 41.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.70 V	PASSED
(1.04 V - 2.42 V)	
Cooler Voltage = 1.70 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.520 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
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.075 1.05%	PASSED
(0.00% - 4.00%)	

LINEARITY CHECK

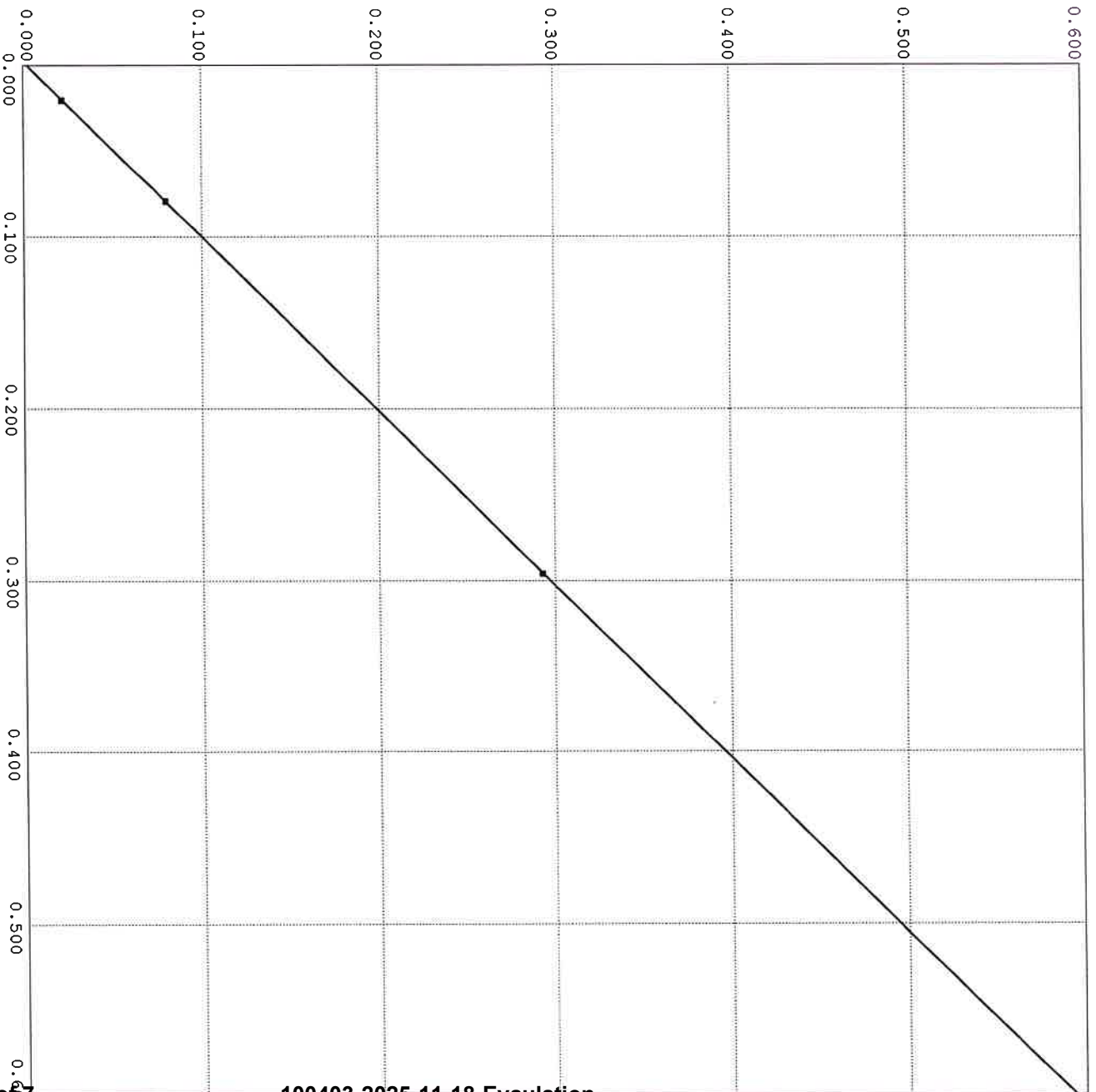
Alaska Department of Public Safety
DATAMASTER dmt: 100403

Date: 11/18/2025
Time: 08:16:54

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0222	0.0004
0.079	0.0808	0.0004
0.295	0.2936	0.0005

SLOPE = 0.986444
 R^2 = 0.999998



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100403

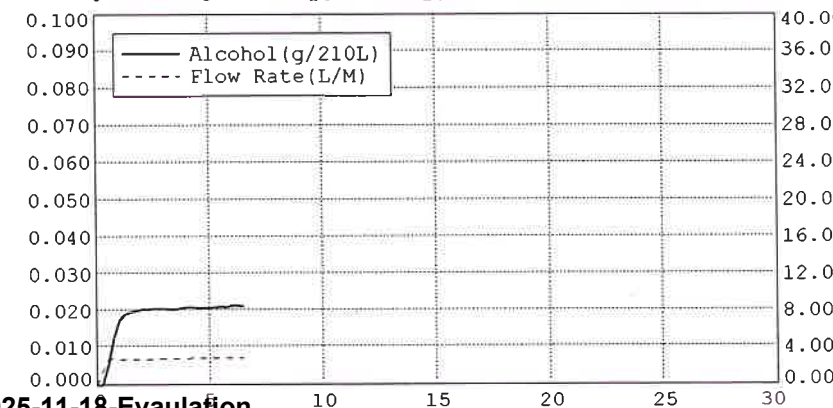
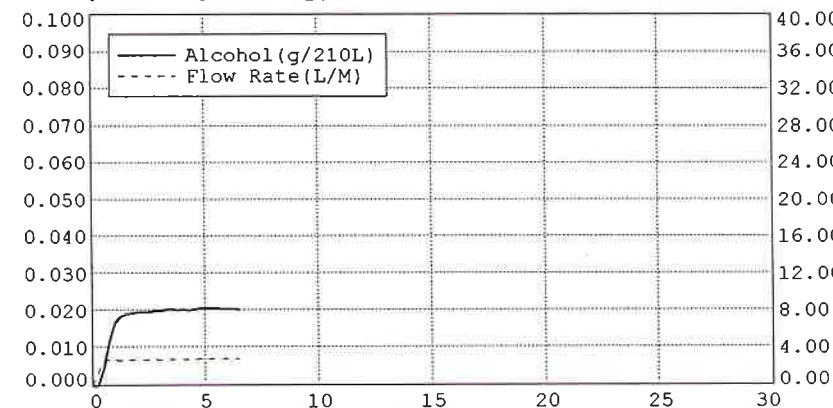
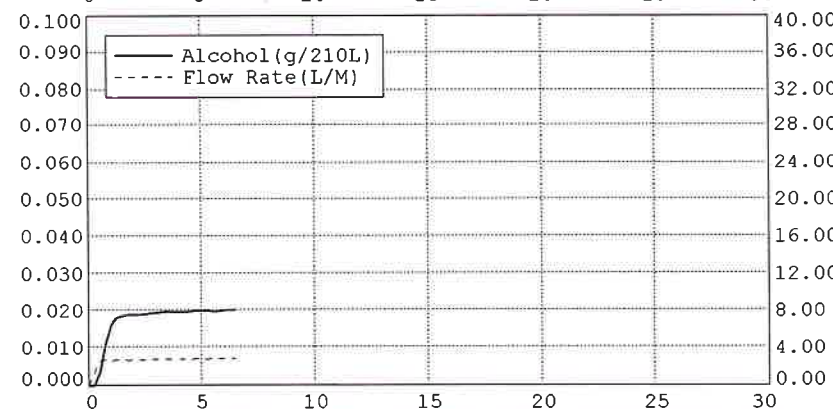
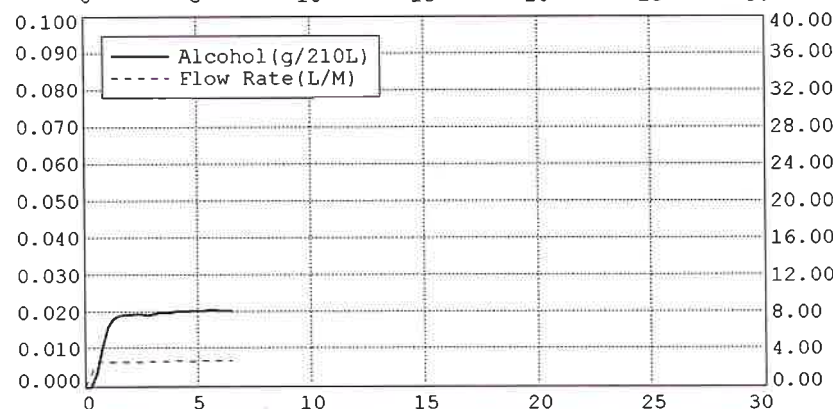
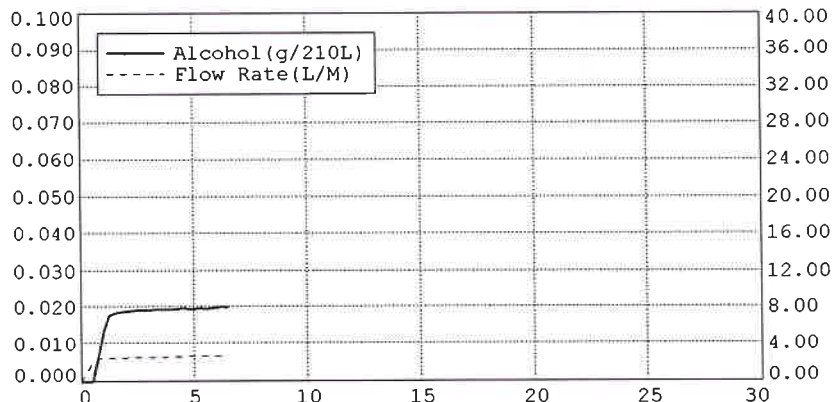
Date: 11/18/2025
Time: 08:16:56

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.38: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 902 psi

BLANK TEST	0.000	08:18
INTERNAL STANDARD	VERIFIED	08:18
EXTERNAL STANDARD	0.022	08:18
BLANK TEST	0.000	08:19
EXTERNAL STANDARD	0.022	08:19
BLANK TEST	0.000	08:20
EXTERNAL STANDARD	0.022	08:20
BLANK TEST	0.000	08:21
EXTERNAL STANDARD	0.022	08:21
BLANK TEST	0.000	08:22
EXTERNAL STANDARD	0.023	08:23
BLANK TEST	0.000	08:23

Average = 0.0222
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100403

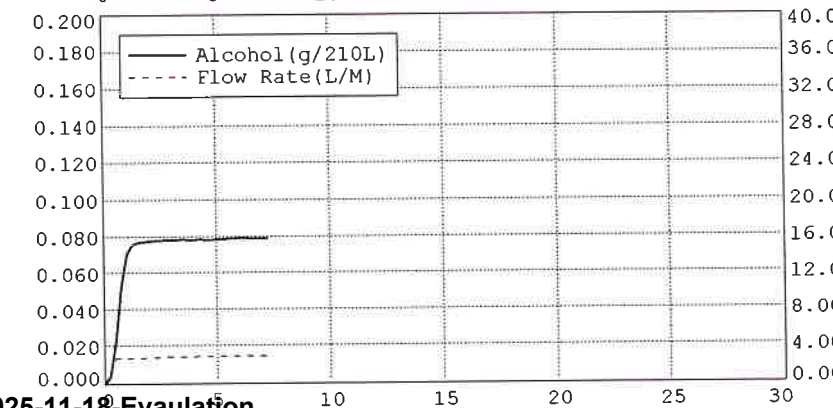
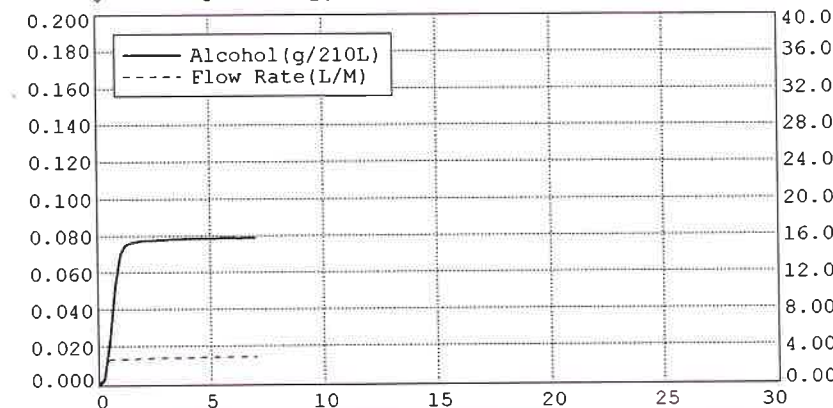
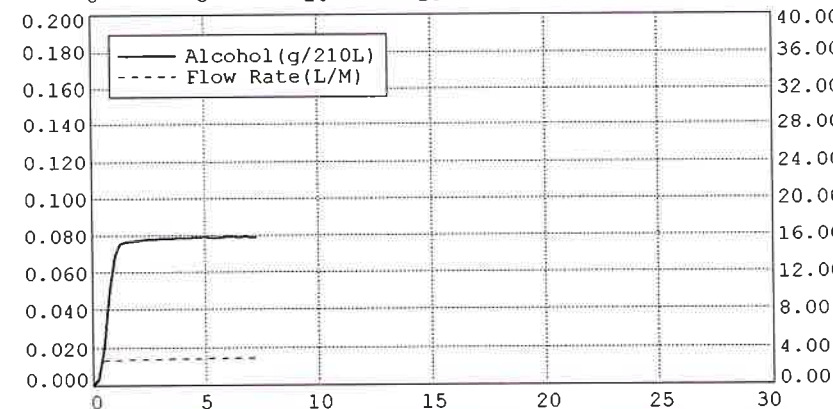
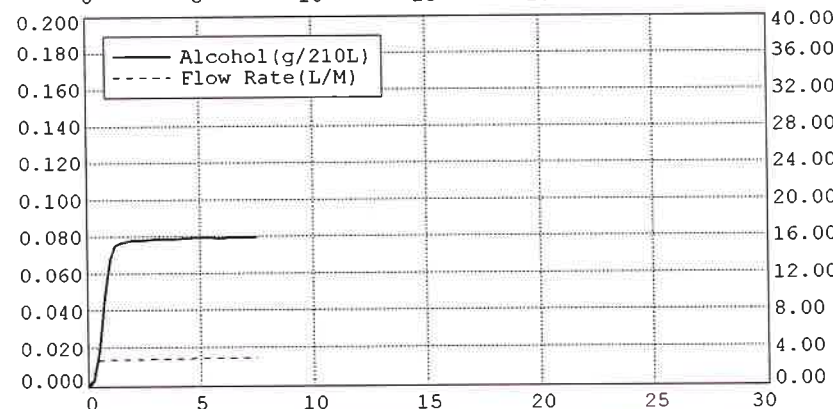
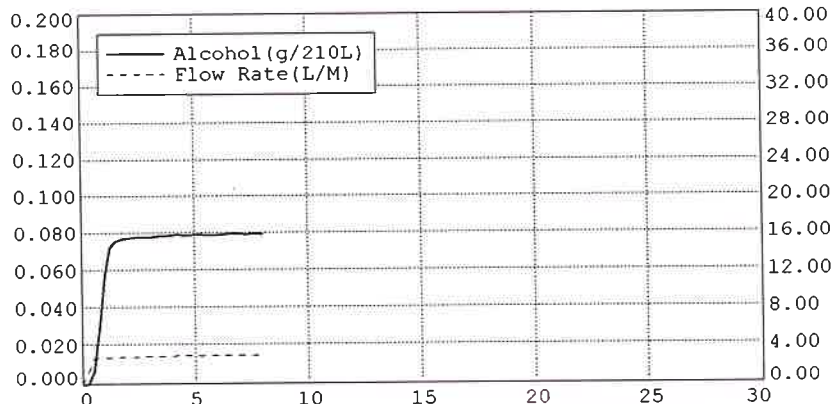
Date: 11/18/2025
Time: 08:25:38

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.39: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1172 psi

BLANK TEST	0.000	08:27
INTERNAL STANDARD	VERIFIED	08:27
EXTERNAL STANDARD	0.081	08:27
BLANK TEST	0.000	08:28
EXTERNAL STANDARD	0.081	08:28
BLANK TEST	0.000	08:29
EXTERNAL STANDARD	0.081	08:29
BLANK TEST	0.000	08:30
EXTERNAL STANDARD	0.080	08:30
BLANK TEST	0.000	08:31
EXTERNAL STANDARD	0.081	08:32
BLANK TEST	0.000	08:32

Average = 0.0808
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100403

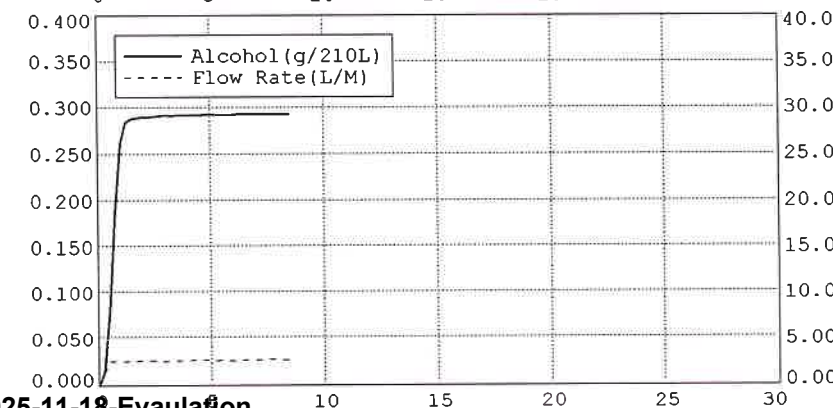
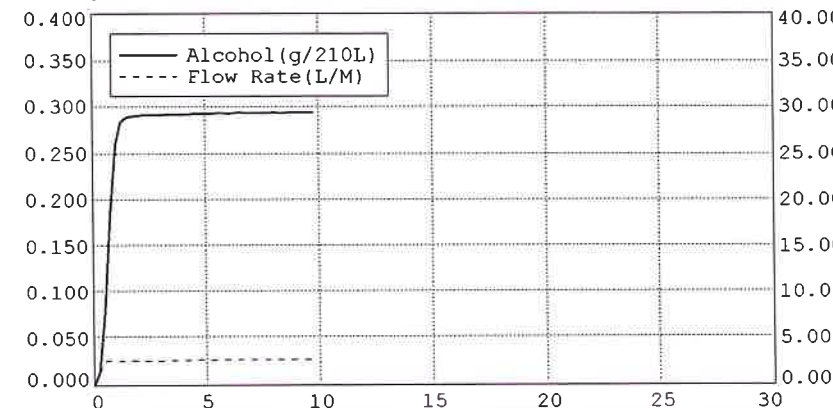
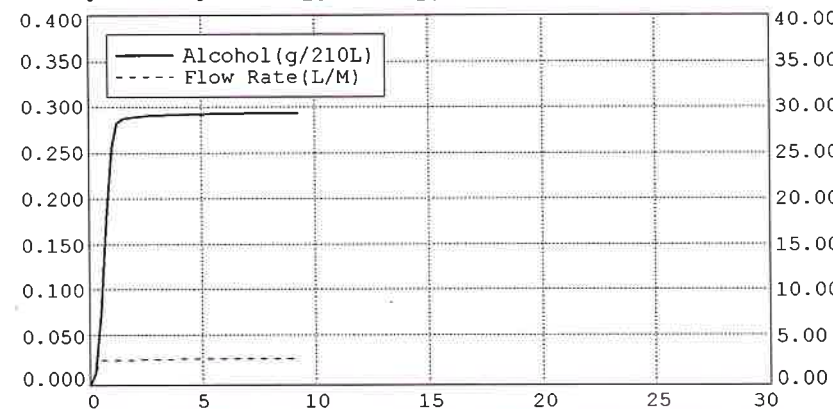
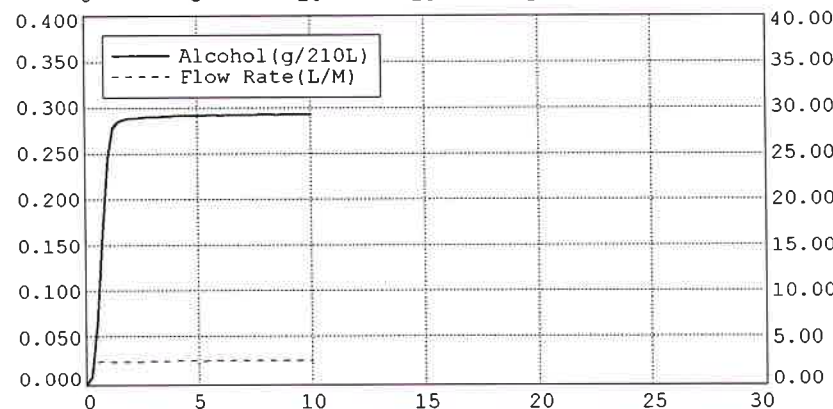
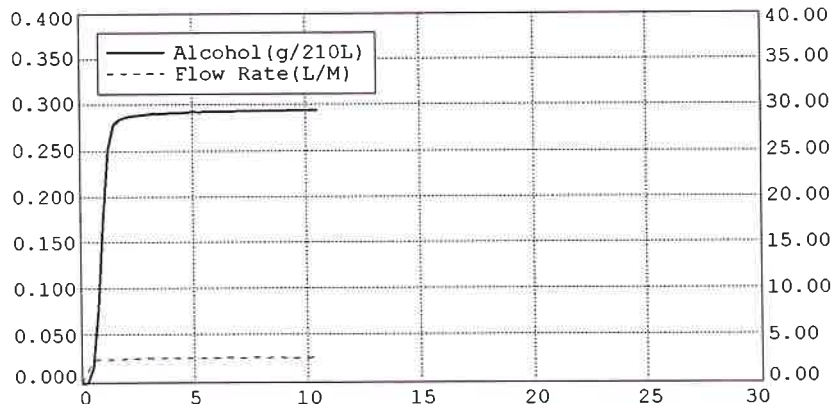
Date: 11/18/2025
Time: 08:37:13

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.39: 0.295
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 364 psi

BLANK TEST	0.000	08:38
INTERNAL STANDARD	VERIFIED	08:38
EXTERNAL STANDARD	0.294	08:38
BLANK TEST	0.000	08:39
EXTERNAL STANDARD	0.293	08:40
BLANK TEST	0.000	08:41
EXTERNAL STANDARD	0.294	08:41
BLANK TEST	0.000	08:42
EXTERNAL STANDARD	0.294	08:42
BLANK TEST	0.000	08:43
EXTERNAL STANDARD	0.293	08:43
BLANK TEST	0.000	08:44

Average = 0.2936
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100403

Date: 11/18/2025
Time: 08:59:19

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 29.40: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	09:01
BLANK TEST	0.000	09:01
INTERNAL STANDARD	VERIFIED	09:01
EXTERNAL STANDARD	0.081	09:01
BLANK TEST	0.000	09:02
SUBJECT SAMPLE (Vol=2.16L)	0.000	09:02
BLANK TEST	0.000	09:03
EXTERNAL STANDARD	0.081	09:04
BLANK TEST	0.000	09:04

