

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100386

Analyst/Technician(s): Derek Walton

Start Date: 10/21/25

Date Instrument Received: 10/21/25

Reason for instrument evaluation

Preventative maintenance, would not upload via modem during check in

### Visual Inspection:

- Clean
- Cermetex Box (modem) is secure
- Double Check Valve secured to wall
- O-ring inspection and ensure 2 replacement O-rings in bag
- Attach VOC
- VOC Internal Standard  $\leq 3.00\%$
- Replace missing screws
- Ensure modem cable present
- All tubing and connections secure
- 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): 29.28 Temperature (C): 21.0 Relative Humidity (%) 21

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

Notes: filter wheel solenoid wire coating is flaking. Attempted upload via modem line again - unsuccessful.

Attach Non-Drinking Subject Test

### Conclusion:

- Ready for Adjustment
- Needs Repair
- Ready for Calibration

Lab Work End Date: 10/21/25

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100386

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/21/2025

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.27: 0.078  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 246 psi

BLANK TEST	0.000	10:27
INTERNAL STANDARD	VERIFIED	10:27
Xq = 0.094 (2.00%)		
EXTERNAL STANDARD	0.076	10:27
X[1] = 0.0762 (-0.0009) (0.0008)		
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.076	10:28
X[1] = 0.0764 (-0.0007) (0.0005)		
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.076	10:30
X[1] = 0.0764 (-0.0007) (0.0003)		
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.076	10:31
X[1] = 0.0760 (-0.0013) (0.0012)		
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.076	10:32
X[1] = 0.0759 (-0.0013) (-0.0001)		
BLANK TEST	0.000	10:33

Average = 0.0760  
Std Dev = 0.0000

## Diagnostic Check

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

### TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.3°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.67 V	PASSED
(1.00 V - 2.34 V)	
Cooler Voltage = 1.63 V	PASSED
(1.01 V - 2.35 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 516 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 in	

### PUMP INFO

Flow Rate = 4.617 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 ✓ PASSED  
Xq = 0.094 2.09% (0.00% - 4.00%)

LINEARITY CHECK

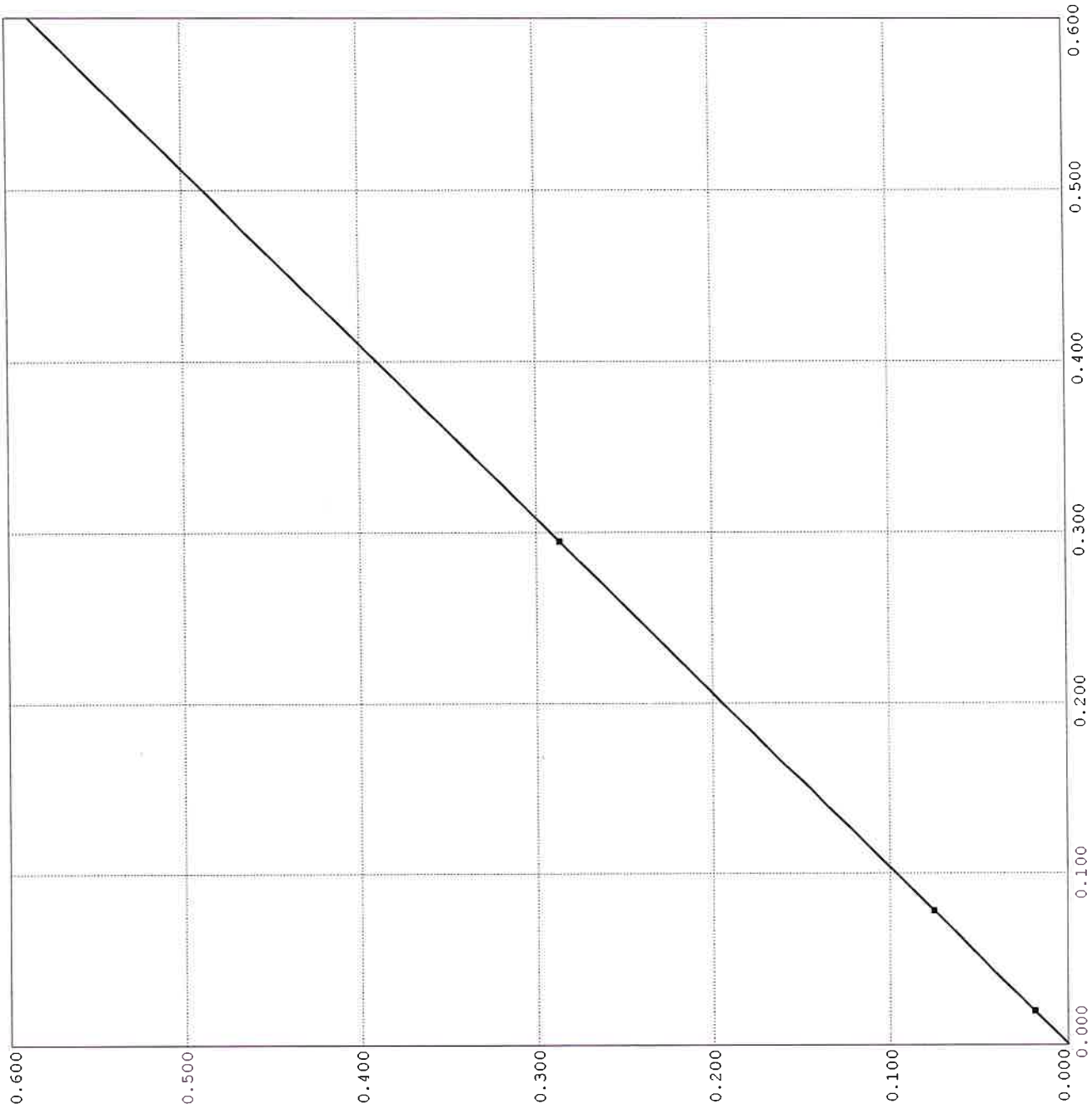
Alaska Department of Public Safety  
DATAMASTER dmt: 100386

Date: 10/21/2025  
Time: 10:40:12

SUPERVISOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

TARGET	AVERAGE	STD. DEV.
0.020	0.0192	0.0004
0.078	0.0762	0.0004
0.294	0.2874	0.0005

SLOPE = 0.978544  
R<sup>2</sup> = 0.9999999



*DW*

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100386

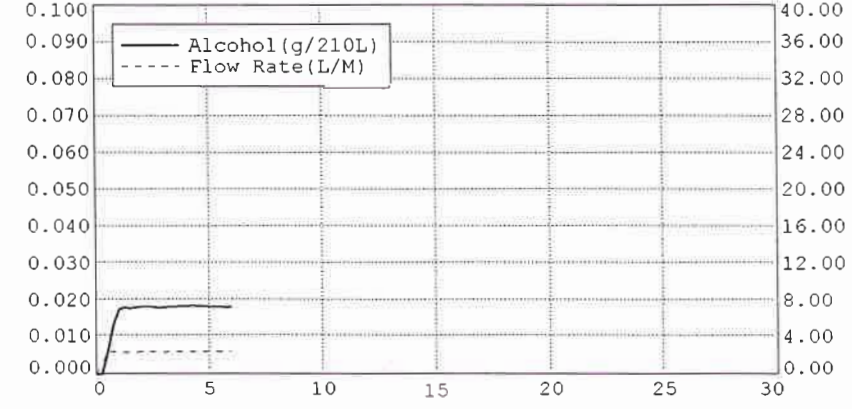
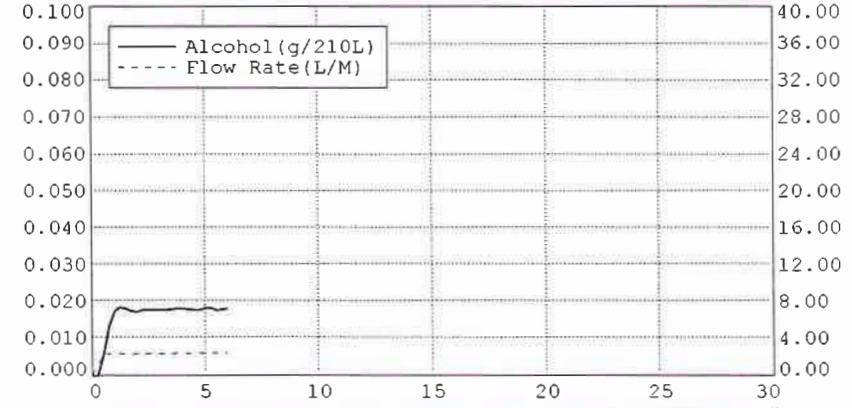
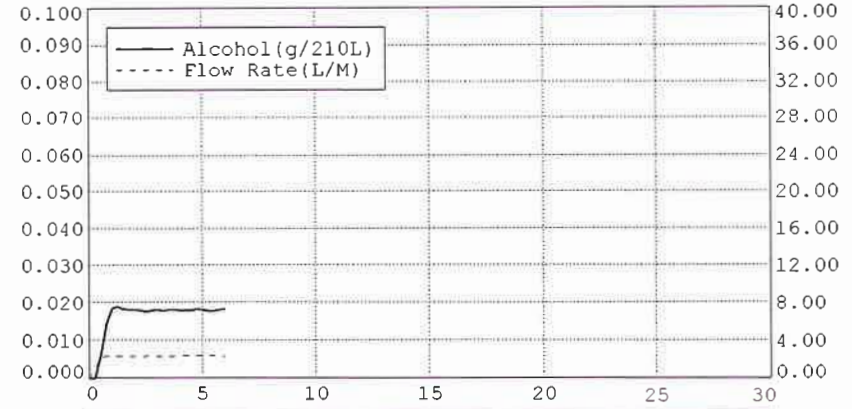
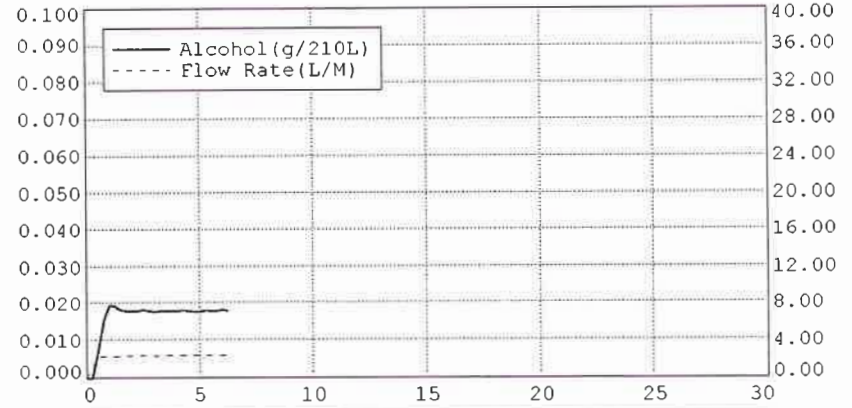
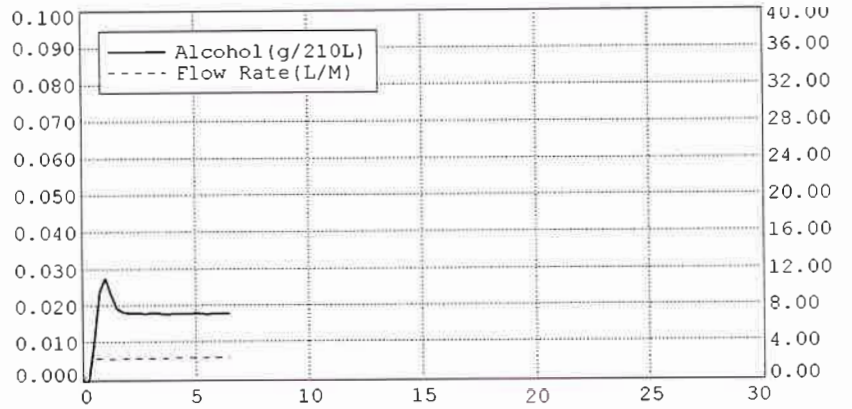
Date: 10/21/2025  
 Time: 10:40:13

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.27: 0.020  
 LOT #: AG408002  
 EXPIRATION: 03/20/2026  
 TANK PRESSURE: 351 psi

BLANK TEST	0.000	10:41
INTERNAL STANDARD	VERIFIED	10:41
EXTERNAL STANDARD	0.019	10:41
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.019	10:42
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.019	10:44
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.019	10:45
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.020	10:46
BLANK TEST	0.000	10:47

Average = 0.0192  
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100386

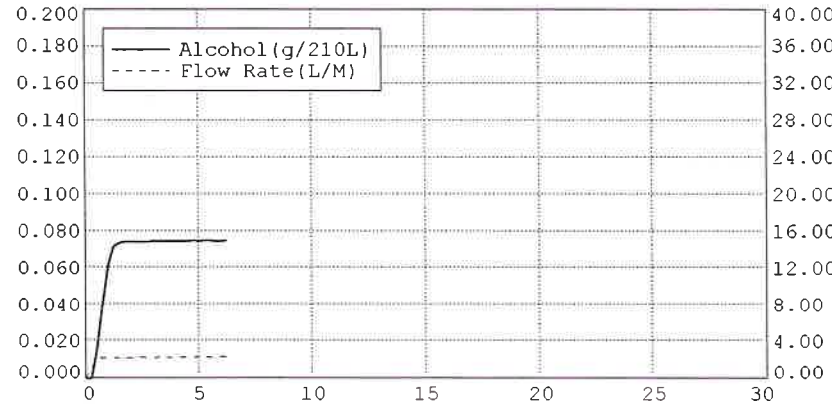
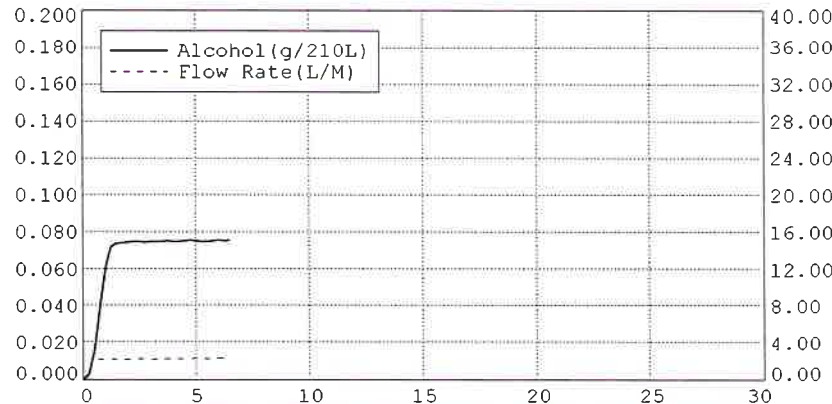
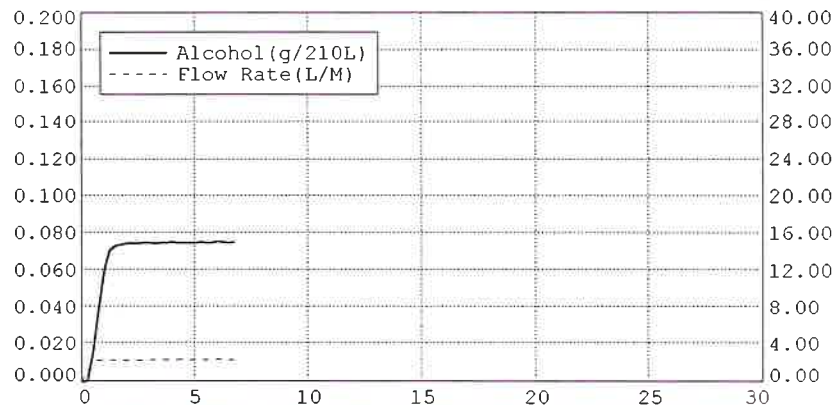
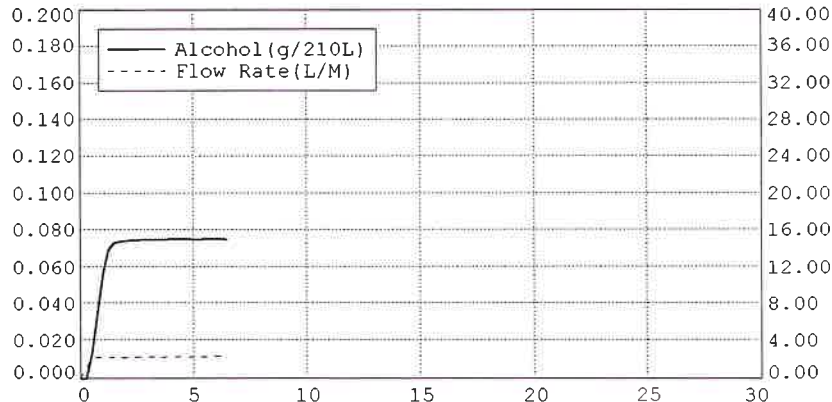
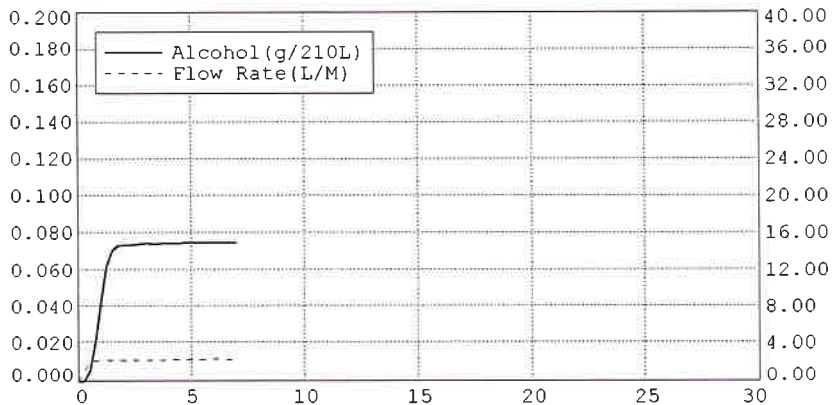
Date: 10/21/2025  
 Time: 10:47:56

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.27: 0.078  
 LOT #: AG335202  
 EXPIRATION: 12/18/2025  
 TANK PRESSURE: 230 psi

BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
EXTERNAL STANDARD	0.076	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.076	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.076	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.077	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.076	10:53
BLANK TEST	0.000	10:54

Average = 0.0762  
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
DATAMASTER dmt: 100386

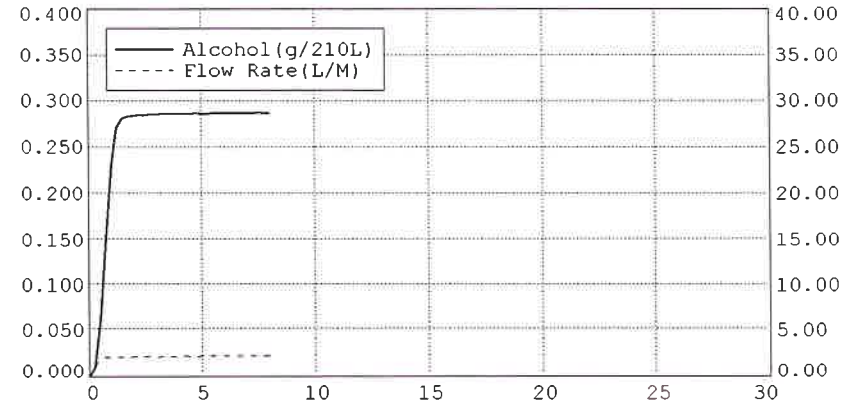
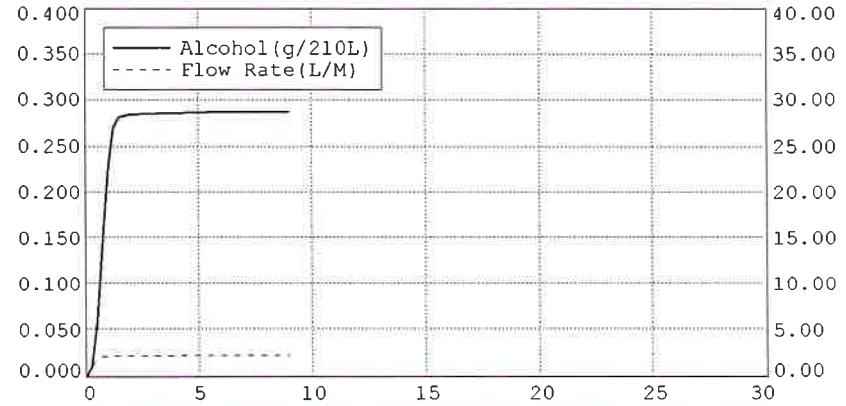
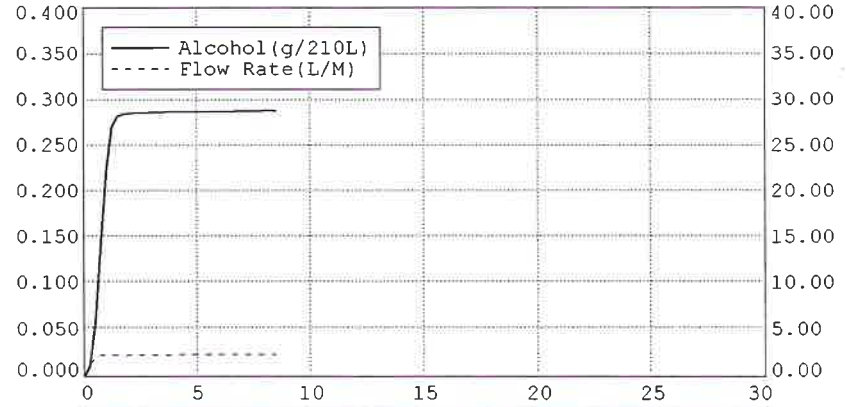
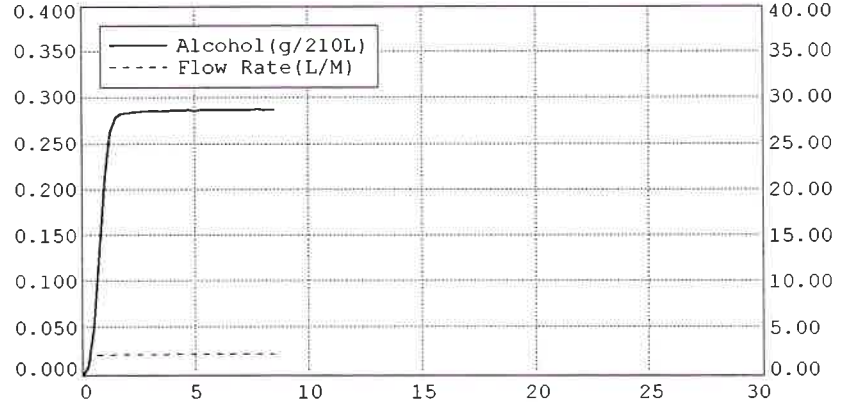
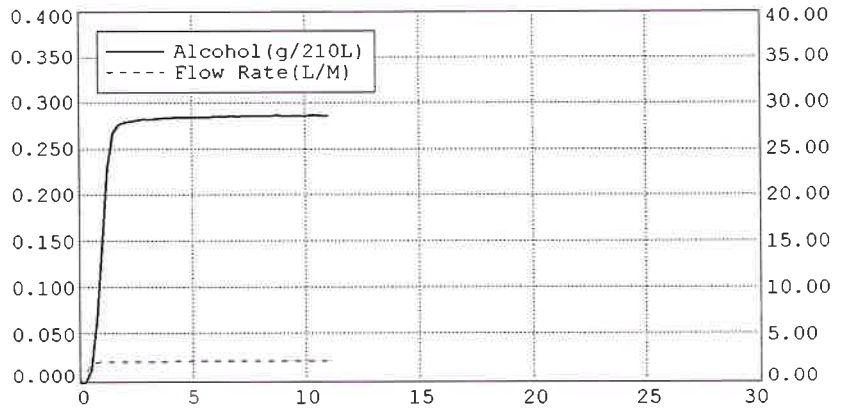
Date: 10/21/2025  
Time: 10:56:44

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300  
TARGET AT 29.27: 0.294  
LOT #: AG427706  
EXPIRATION: 10/03/2026  
TANK PRESSURE: 198 psi

BLANK TEST	0.000	10:57
INTERNAL STANDARD	VERIFIED	10:58
EXTERNAL STANDARD	0.287	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.287	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.288	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.288	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.287	11:02
BLANK TEST	0.000	11:03

Average = 0.2874  
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100386

Date: 10/21/2025  
Time: 11:27:31

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.27: 0.078  
LOT #: AG335202  
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	11:28
BLANK TEST	0.000	11:28
INTERNAL STANDARD	VERIFIED	11:28
Xq = 0.094 (2.38%)		
EXTERNAL STANDARD	0.077	11:28
X[1] = 0.0769 (-0.0001) (0.0025)		
BLANK TEST	0.000	11:29
SUBJECT SAMPLE (Vol=2.74L)	0.000	11:30
X[1] = 0.0000 (0.0000) (0.0000)		
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.077	11:31
X[1] = 0.0774 (0.0005) (0.0005)		
BLANK TEST	0.000	11:32

