

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100412

Analyst/Technician(s): Carl E. Glaister

Start Date: 8/13/25

Date Instrument Received: 8/13/25

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): 29.73 Temperature (C): 24.3 Relative Humidity (%): 35

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: 8/13/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100412

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/13/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 267 psi

BLANK TEST	0.000	11:52
INTERNAL STANDARD	VERIFIED	11:52
Xq = 0.087 (1.31%)		
EXTERNAL STANDARD	0.077	11:52
X[1] = 0.0768 (-0.0003) (0.0024)		
BLANK TEST	0.000	11:53
EXTERNAL STANDARD	0.077	11:53
X[1] = 0.0765 (0.0012) (0.0013)		
BLANK TEST	0.000	11:54
EXTERNAL STANDARD	0.077	11:54
X[1] = 0.0768 (-0.0014) (0.0022)		
BLANK TEST	0.000	11:55
EXTERNAL STANDARD	0.077	11:55
X[1] = 0.0772 (-0.0009) (0.0019)		
BLANK TEST	0.000	11:56
EXTERNAL STANDARD	0.076	11:57
X[1] = 0.0761 (-0.0008) (0.0020)		
BLANK TEST	0.000	11:57

Average = 0.0768
Std Dev = 0.0004

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 = 46.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.70 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.66 V	PASSED
(1.03 V - 2.39 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 514 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.879 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.004 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 = 0.087	1.21%	(0.00% - 4.00%)
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LINEARITY CHECK

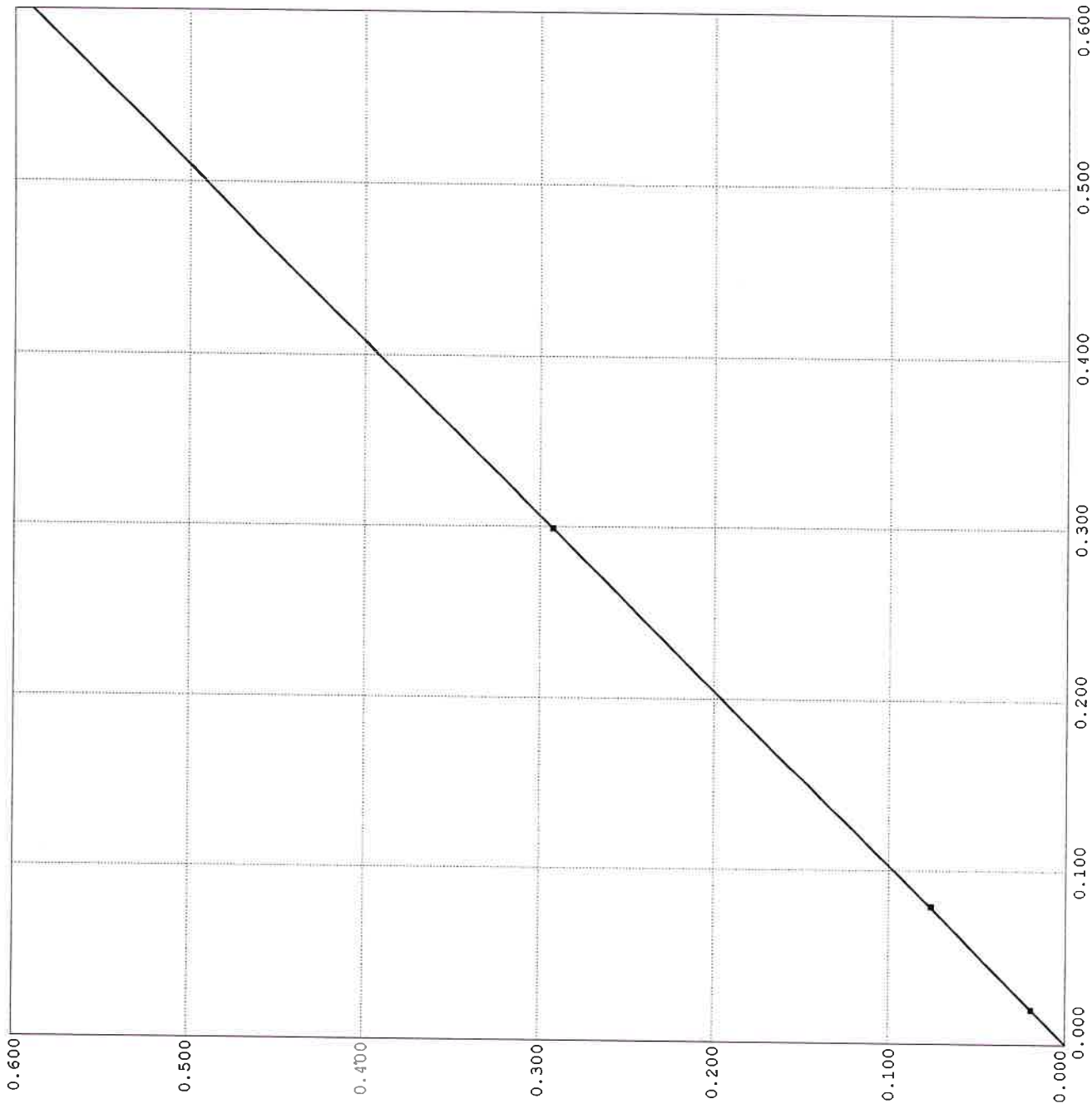
Alaska Department of Public Safety
 DATAMASTER dmt: 100412

Date: 08/13/2025
 Time: 12:02:47

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0007
0.079	0.0770	0.0000
0.298	0.2932	0.0008

SLOPE = 0.983954
 R² = 0.999986



OKG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100412

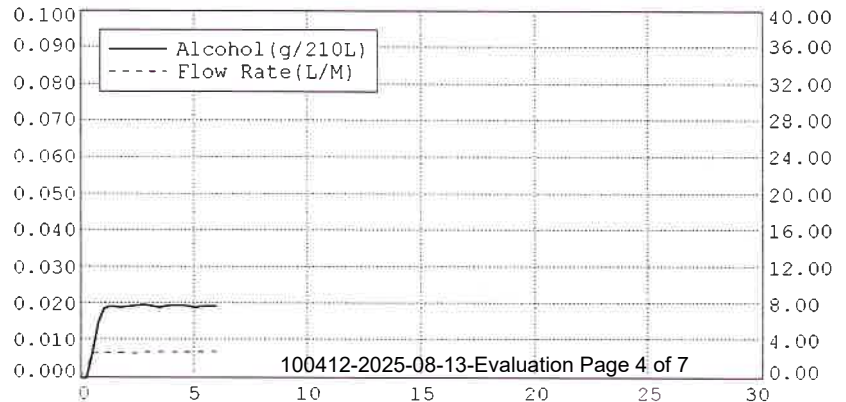
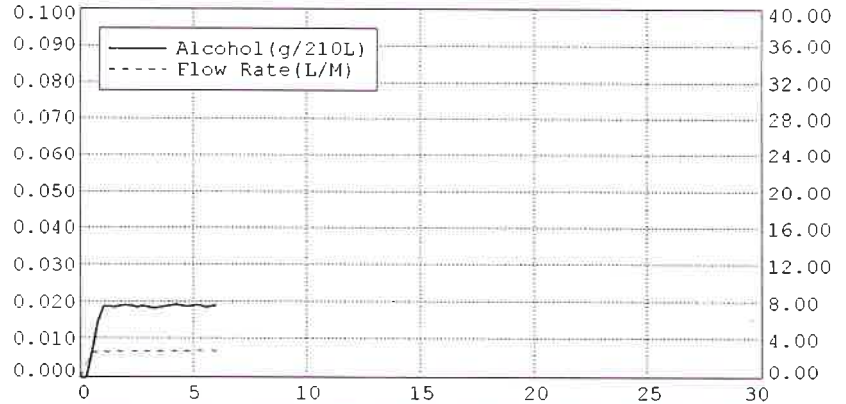
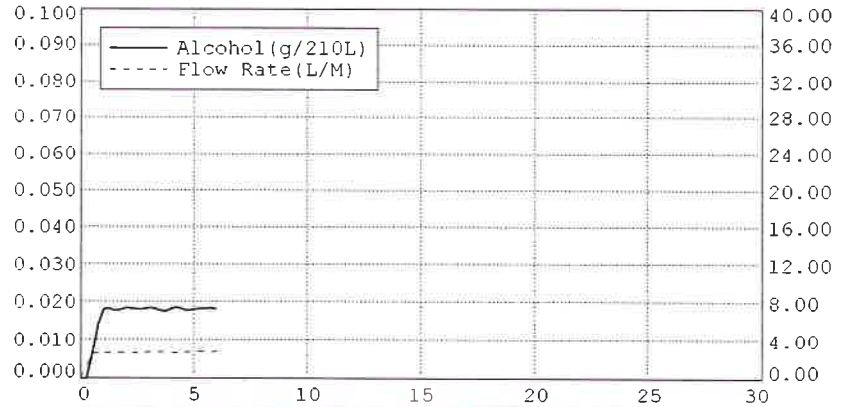
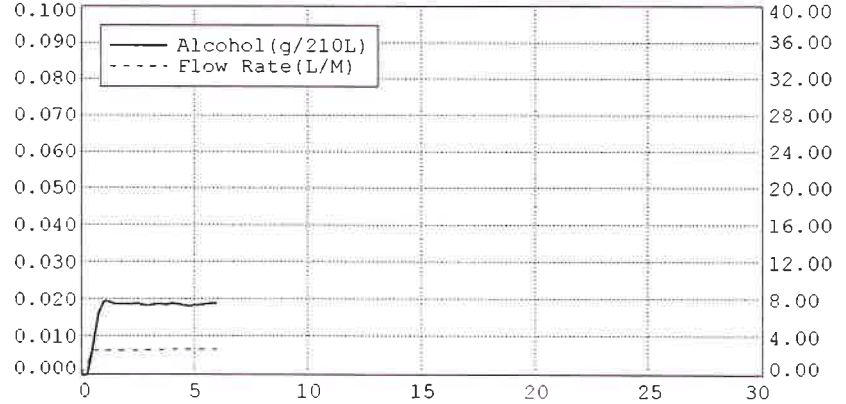
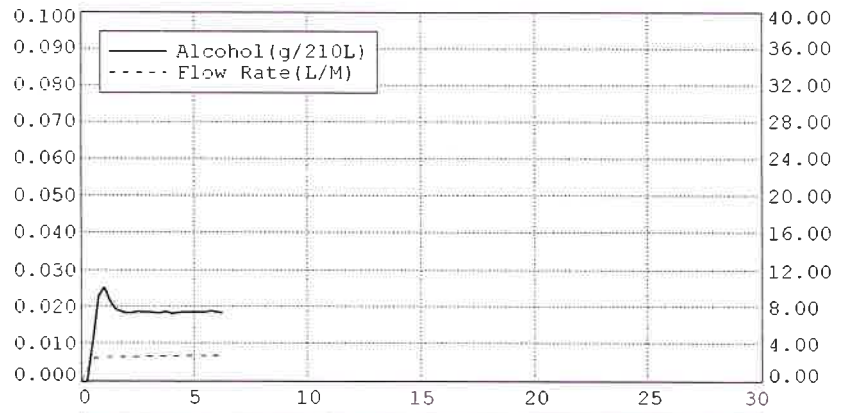
Date: 08/13/2025
Time: 12:02:49

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.71: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 510 psi

BLANK TEST	0.000	12:04
INTERNAL STANDARD	VERIFIED	12:04
EXTERNAL STANDARD	0.020	12:04
BLANK TEST	0.000	12:05
EXTERNAL STANDARD	0.020	12:05
BLANK TEST	0.000	12:06
EXTERNAL STANDARD	0.019	12:06
BLANK TEST	0.000	12:07
EXTERNAL STANDARD	0.020	12:07
BLANK TEST	0.000	12:08
EXTERNAL STANDARD	0.021	12:09
BLANK TEST	0.000	12:09

Average = 0.0200
Std Dev = 0.0007



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100412

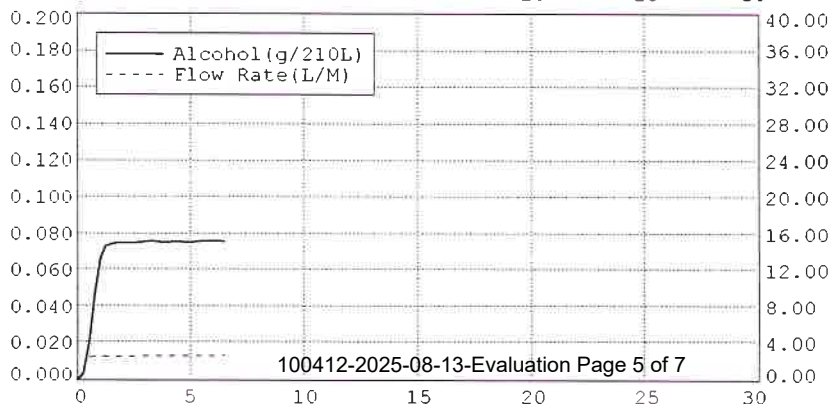
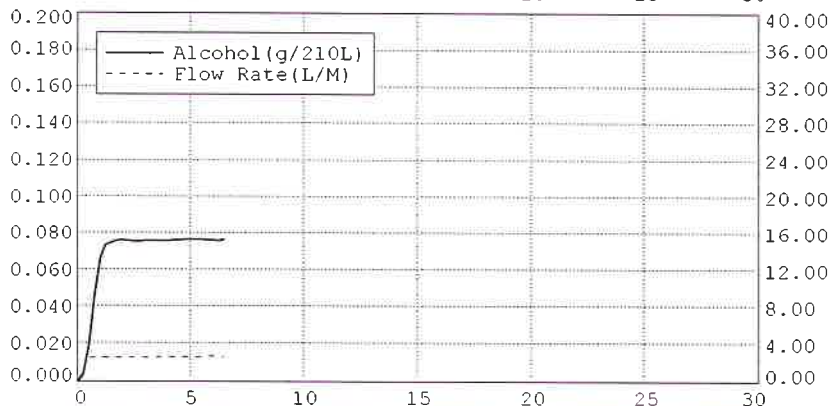
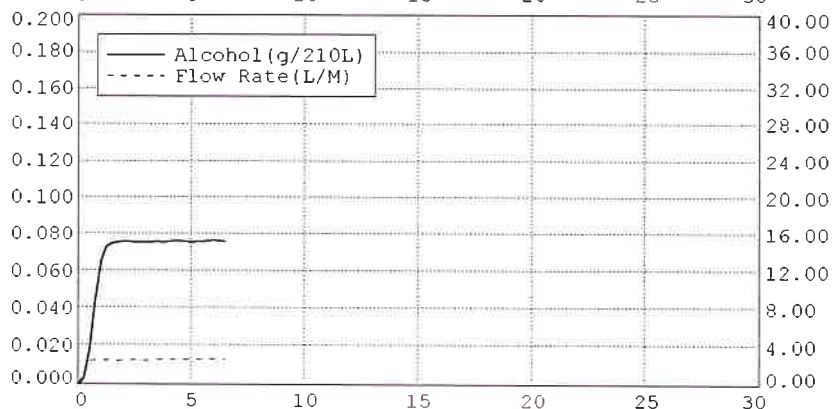
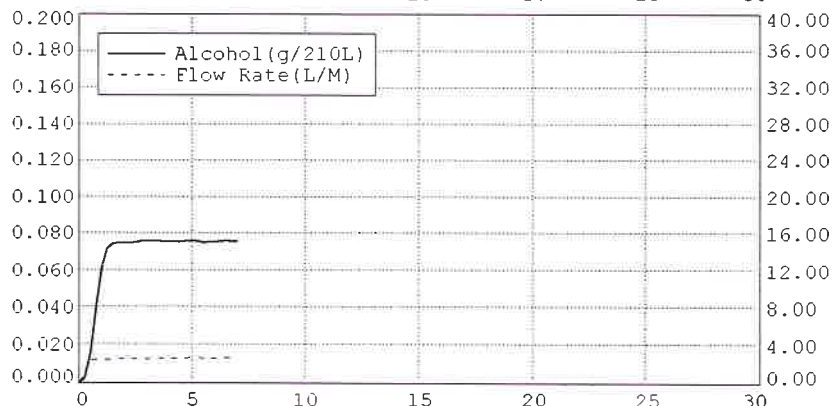
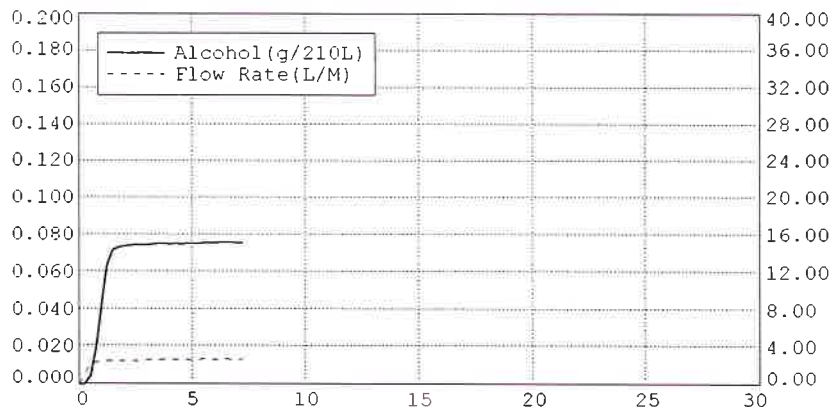
Date: 08/13/2025
Time: 12:10:46

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 248 psi

BLANK TEST	0.000	12:12
INTERNAL STANDARD	VERIFIED	12:12
EXTERNAL STANDARD	0.077	12:12
BLANK TEST	0.000	12:13
EXTERNAL STANDARD	0.077	12:13
BLANK TEST	0.000	12:14
EXTERNAL STANDARD	0.077	12:14
BLANK TEST	0.000	12:15
EXTERNAL STANDARD	0.077	12:15
BLANK TEST	0.000	12:16
EXTERNAL STANDARD	0.077	12:16
BLANK TEST	0.000	12:17

Average = 0.0770
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100412

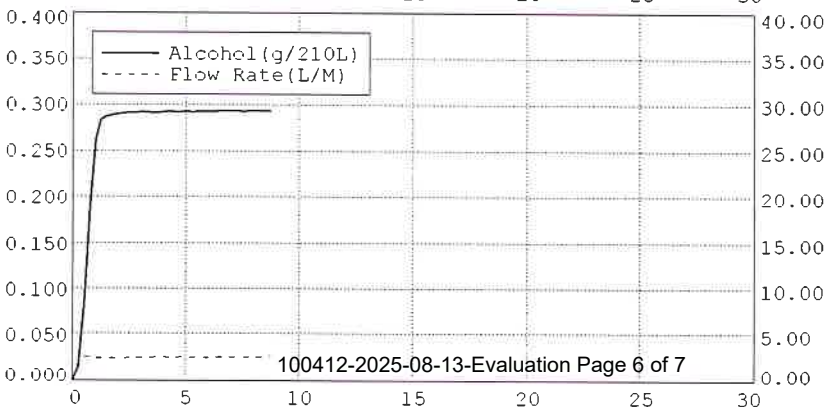
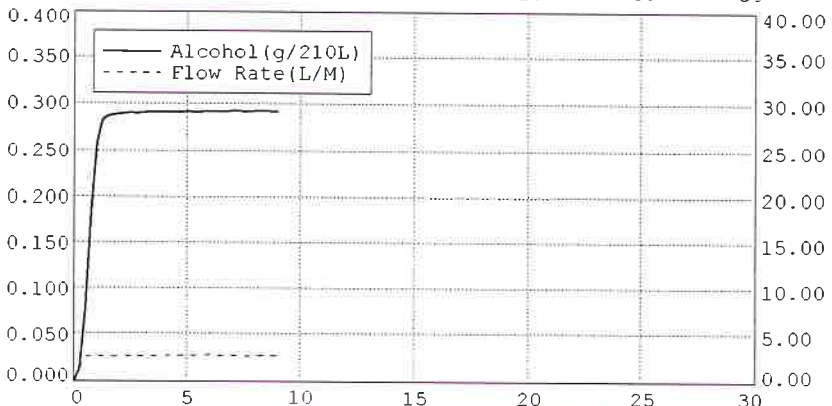
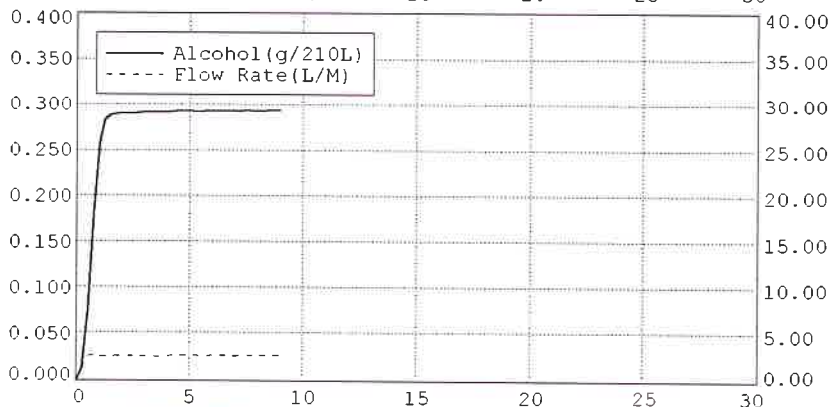
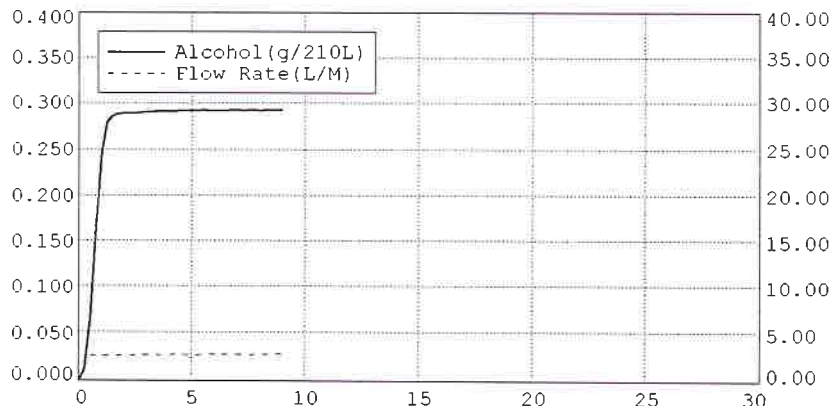
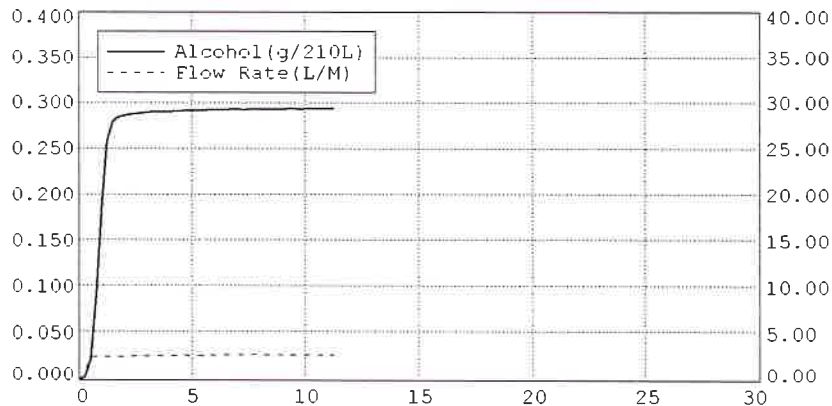
Date: 08/13/2025
Time: 12:18:15

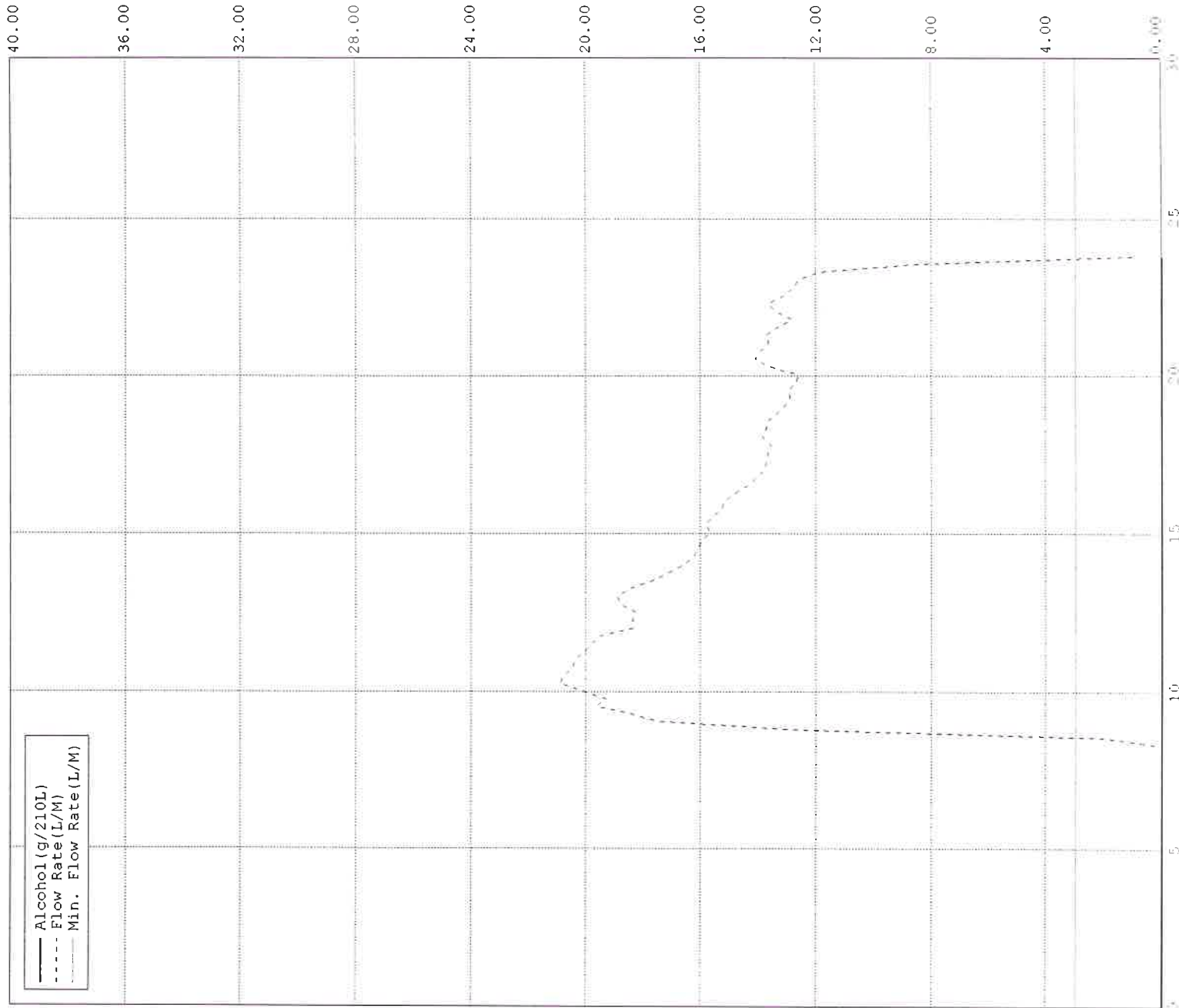
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.71: 0.298
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 408 psi

BLANK TEST	0.000	12:19
INTERNAL STANDARD	VERIFIED	12:19
EXTERNAL STANDARD	0.294	12:19
BLANK TEST	0.000	12:20
EXTERNAL STANDARD	0.293	12:20
BLANK TEST	0.000	12:21
EXTERNAL STANDARD	0.293	12:22
BLANK TEST	0.000	12:23
EXTERNAL STANDARD	0.292	12:23
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.294	12:24
BLANK TEST	0.000	12:25

Average = 0.2932
Std Dev = 0.0008





SUBJECT TEST	

Alaska Department of Public Safety	
DATAMASTER dmt: 100412	

Date: 08/13/2025	
Time: 12:29:44	
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 29.71: 0.079	
LOT #: AG335202	
EXPIRATION: 12/18/2025	
DIAGNOSTIC CHECK	PASSED 12:30
BLANK TEST	0.000 12:30
INTERNAL STANDARD	VERIFIED 12:30
EXTERNAL STANDARD	0.079 12:31
BLANK TEST	0.000 12:32
SUBJECT SAMPLE (Vol=3.90L)	0.000 12:32
BLANK TEST	0.000 12:33
EXTERNAL STANDARD	0.078 12:33
BLANK TEST	0.000 12:34

100412-2025-08-13-Evaluation Page 7 of 7