

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100421

Analyst/Technician(s): Carlie Glaister

Start Date: 10/6/25

Date Instrument Received: 10/6/25

Reason for instrument evaluation

Internal Standard 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): 29.30 Temperature (C): 21.6 Relative Humidity (%): 37

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

Notes: Internal standard observed on screen during non-drinking subject test was 3.90%. Due to recent replaced internal standard error in the field adjustment is recommended.

☒ Attach Non-Drinking Subject Test

Conclusion:

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

Lab Work End Date: 10/6/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100421

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/06/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.27: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 938 psi

BLANK TEST	0.000	09:49
INTERNAL STANDARD	VERIFIED	09:49
Xq = 0.099 (2.54%)		
EXTERNAL STANDARD	0.078	09:50
X[1] = 0.0784 (0.0030) (0.0006)		
BLANK TEST	0.000	09:50
EXTERNAL STANDARD	0.076	09:51
X[1] = 0.0764 (0.0009) (0.0005)		
BLANK TEST	0.000	09:52
EXTERNAL STANDARD	0.076	09:52
X[1] = 0.0763 (0.0014) (0.0004)		
BLANK TEST	0.000	09:53
EXTERNAL STANDARD	0.077	09:53
X[1] = 0.0766 (0.0007) (-0.0002)		
BLANK TEST	0.000	09:54
EXTERNAL STANDARD	0.077	09:54
X[1] = 0.0767 (-0.0002) (0.0000)		
BLANK TEST	0.000	09:55

Average = 0.0768
Std Dev = 0.0008

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 42.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.74 V	PASSED
(1.03 V - 2.39 V)	
Cooler Voltage = 1.80 V	PASSED
(1.08 V - 2.52 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 in	

PUMP INFO

Flow Rate = 4.686 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.003 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 = 0.099 2.81% (0.00% - 4.00%)	PASSED
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LINEARITY CHECK

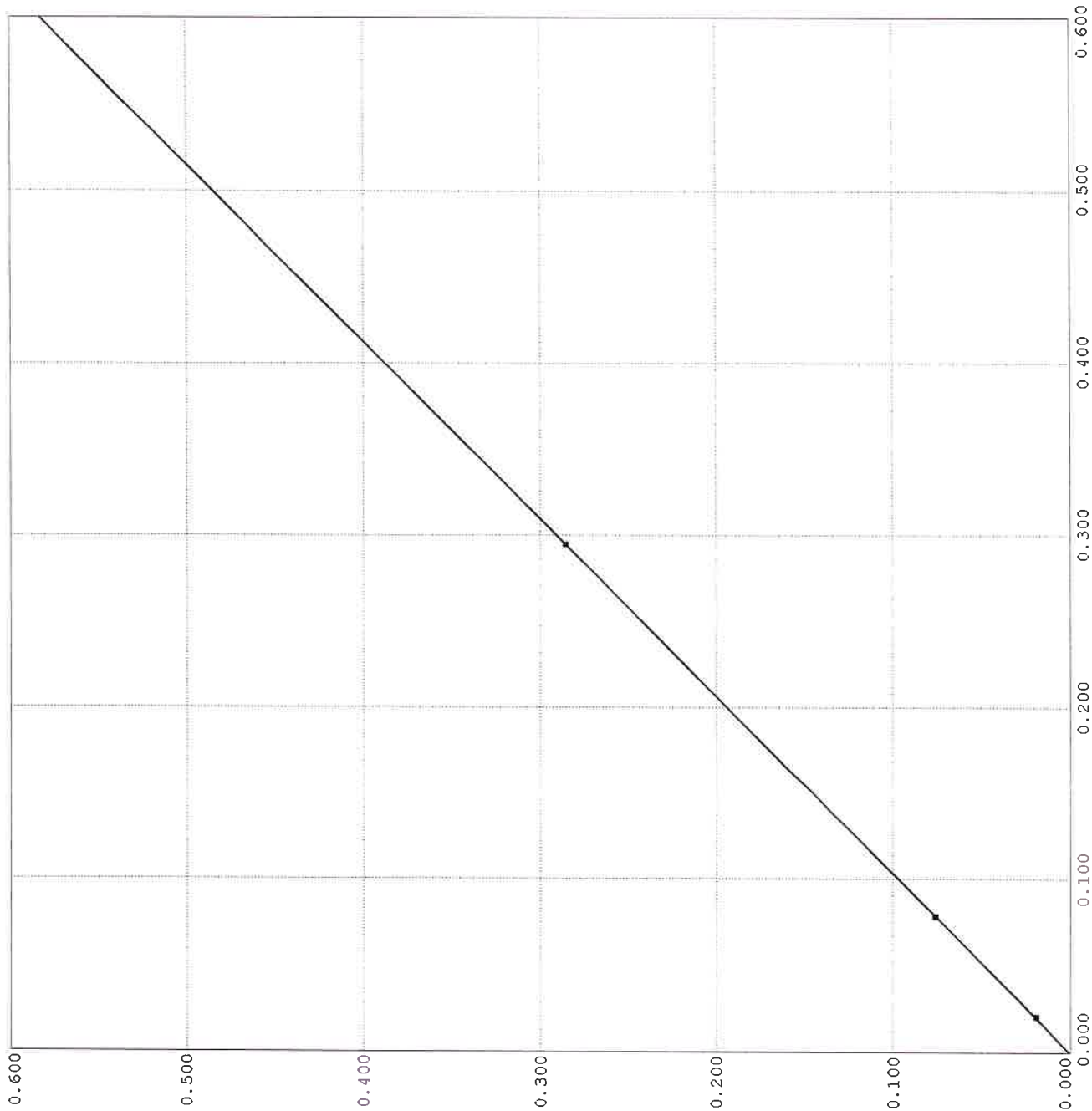
 Alaska Department of Public Safety
 DATAMASTER dmt: 100421

Date: 10/06/2025
 Time: 09:57:48

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0198	0.0004
0.078	0.0770	0.0000
0.294	0.2862	0.0004

SLOPE	= 0.971241
R ²	= 0.999990



OK

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100421

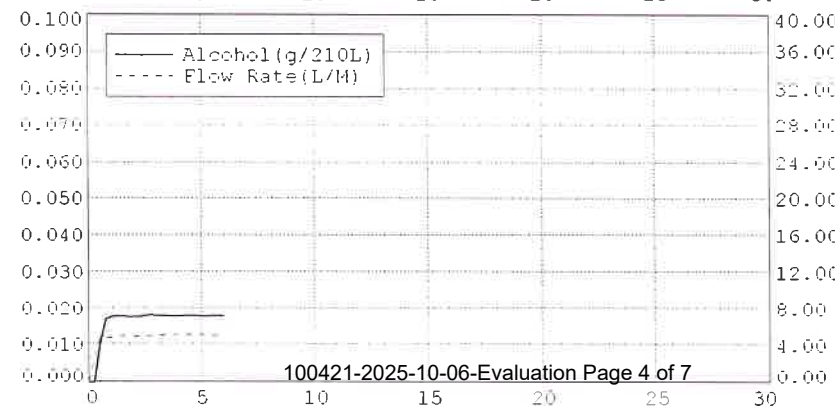
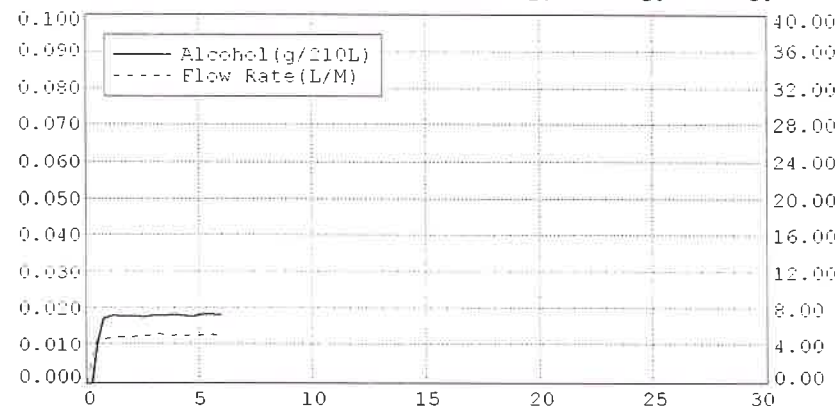
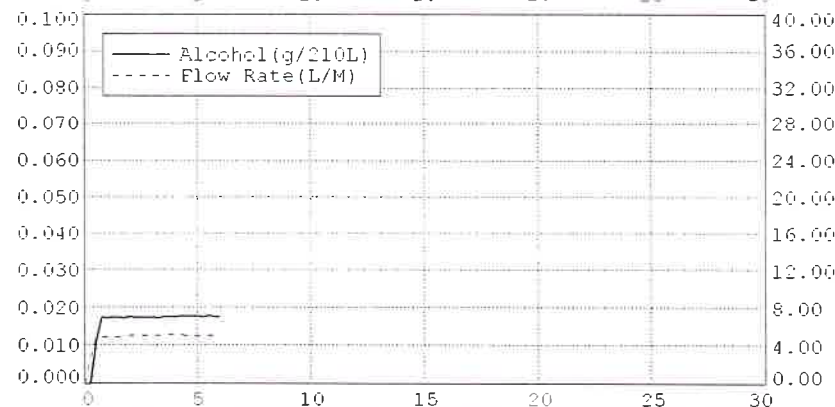
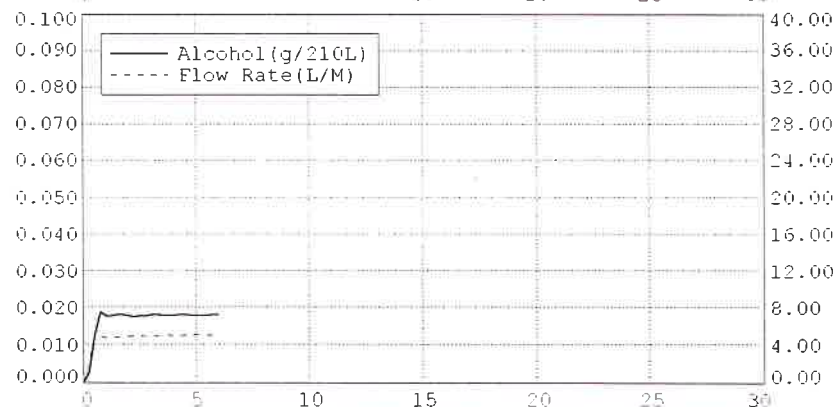
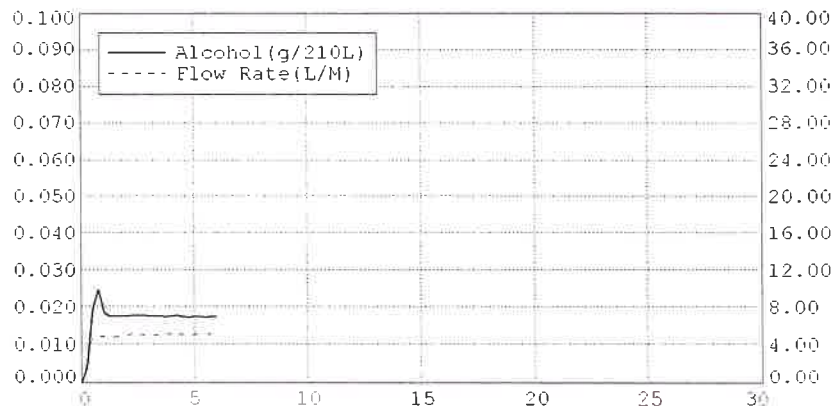
Date: 10/06/2025
Time: 09:57:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.27: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 400 psi

BLANK TEST	0.000	09:59
INTERNAL STANDARD	VERIFIED	09:59
EXTERNAL STANDARD	0.019	09:59
BLANK TEST	0.000	10:00
EXTERNAL STANDARD	0.020	10:00
BLANK TEST	0.000	10:01
EXTERNAL STANDARD	0.020	10:01
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.020	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.020	10:03
BLANK TEST	0.000	10:04

Average = 0.0198
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100421

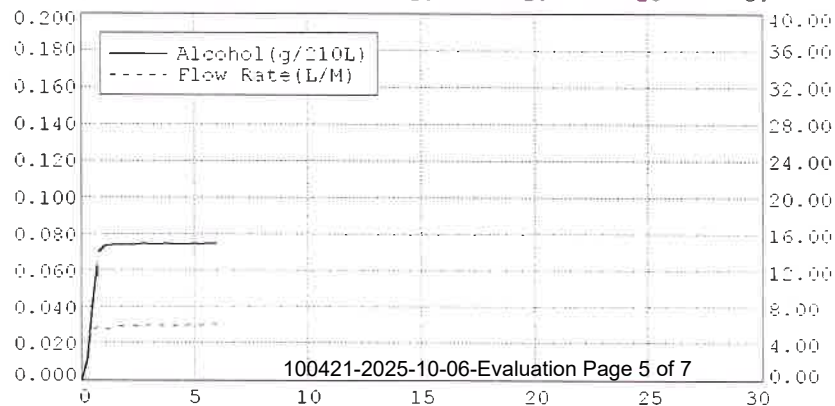
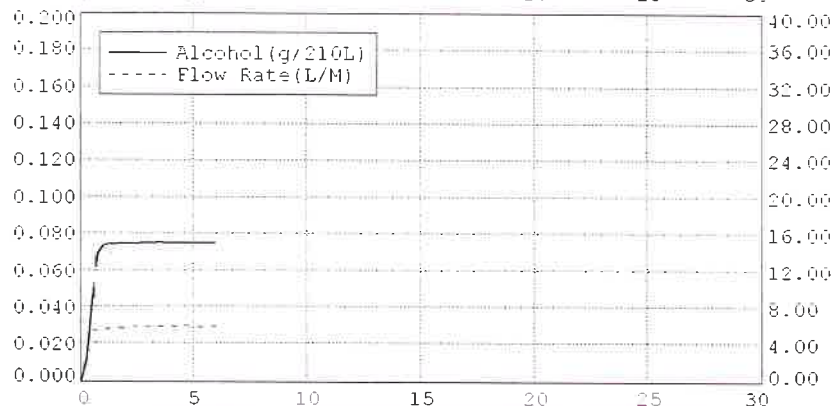
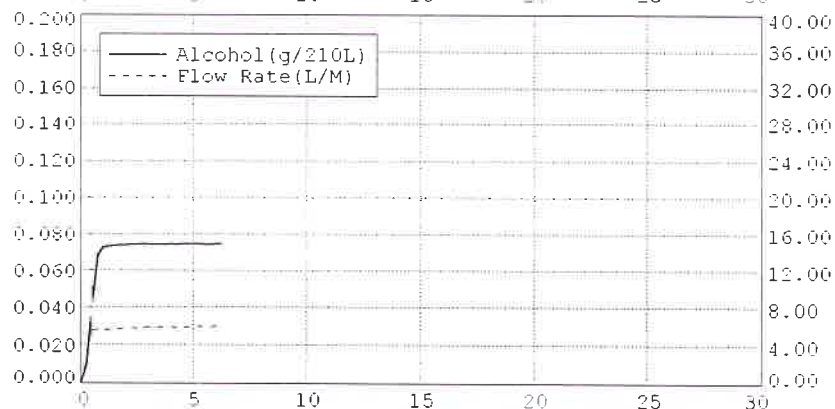
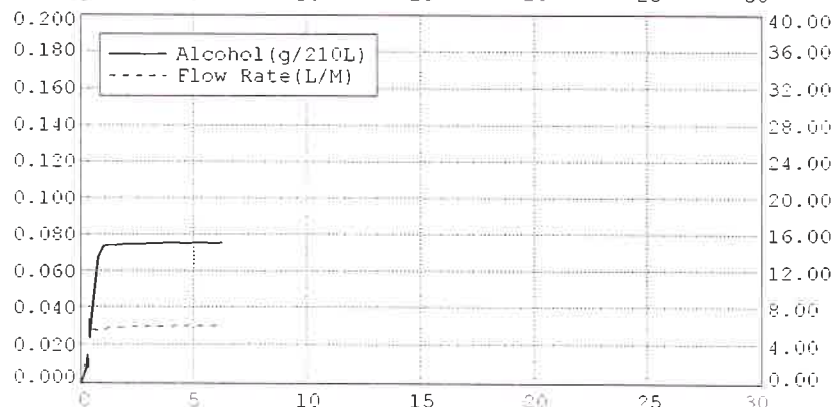
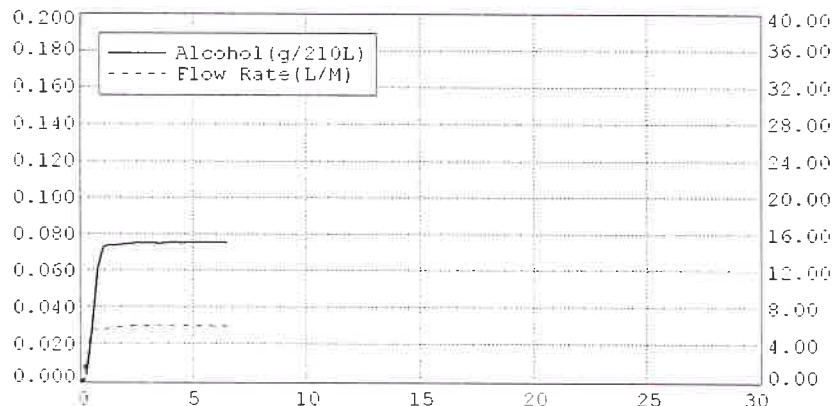
Date: 10/06/2025
Time: 10:05:36

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.26: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 903 psi

TEST TYPE	Value	Time
BLANK TEST	0.000	10:06
INTERNAL STANDARD	VERIFIED	10:07
EXTERNAL STANDARD	0.077	10:07
BLANK TEST	0.000	10:08
EXTERNAL STANDARD	0.077	10:08
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.077	10:09
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.077	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.077	10:11
BLANK TEST	0.000	10:12

Average = 0.0770
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100421

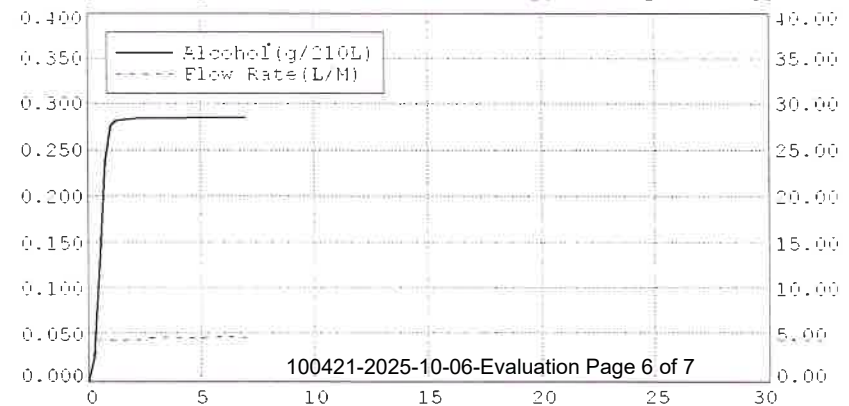
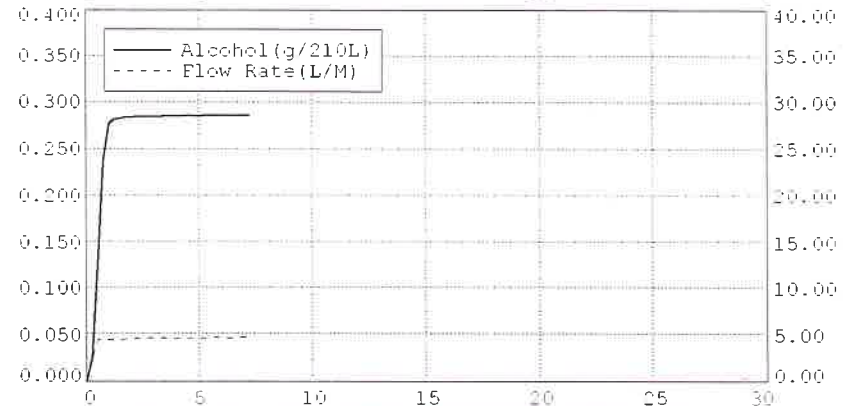
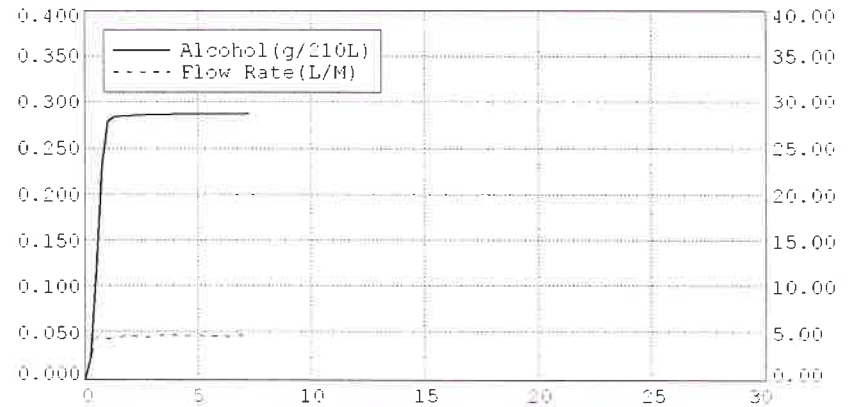
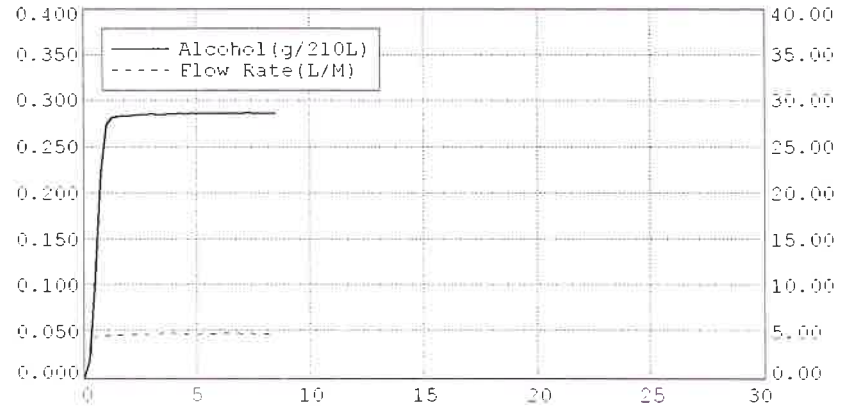
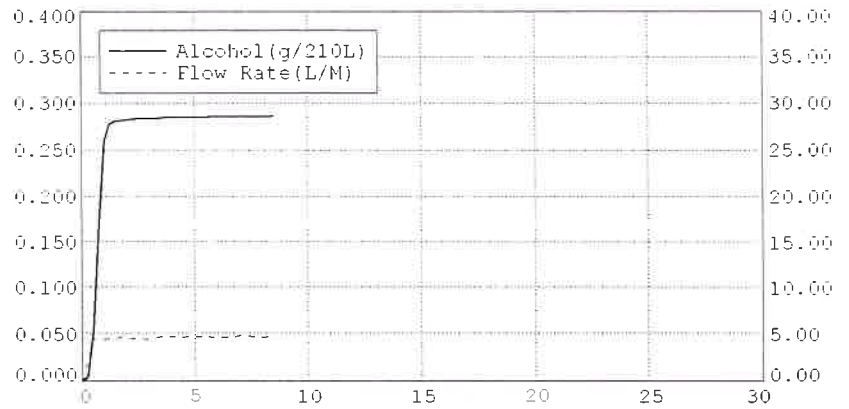
Date: 10/06/2025
Time: 10:13:27

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.27: 0.294
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 257 psi

BLANK TEST	0.000	10:14
INTERNAL STANDARD	VERIFIED	10:14
EXTERNAL STANDARD	0.287	10:15
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.286	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.286	10:17
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.286	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.286	10:19
BLANK TEST	0.000	10:20

Average = 0.2862
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100421

Date: 10/06/2025
Time: 10:24:09

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 29.27: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	10:25
BLANK TEST	0.000	10:25
INTERNAL STANDARD	VERIFIED	10:25
EXTERNAL STANDARD	0.078	10:25
BLANK TEST	0.000	10:26
SUBJECT SAMPLE (Vol=1.68L)	0.000	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.077	10:28
BLANK TEST	0.000	10:29

