

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100424

Analyst/Technician(s): Carlie Glaister

Start Date: 6/30/25

Date Instrument Received: 06/27/2025

Reason for instrument evaluation

Preventive maintenance due

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): 29.79 Temperature (C): 21.6 Relative Humidity (%) 44

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

Notes: Reset options due to 2 breath tests printing.

☒ Attach Non-Drinking Subject Test

Conclusion:

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

Lab Work End Date: 6/30/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100424

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/30/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.75: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 623 psi

BLANK TEST	0.000	15:33
INTERNAL STANDARD	VERIFIED	15:33
Xq = 0.081 (2.88%)		
EXTERNAL STANDARD	0.081	15:33
X[1] = 0.0808 (-0.0009) (0.0011)		
BLANK TEST	0.000	15:34
EXTERNAL STANDARD	0.081	15:34
X[1] = 0.0807 (-0.0017) (0.0009)		
BLANK TEST	0.000	15:35
EXTERNAL STANDARD	0.081	15:35
X[1] = 0.0810 (-0.0011) (0.0012)		
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.081	15:36
X[1] = 0.0810 (-0.0017) (0.0008)		
BLANK TEST	0.000	15:37
EXTERNAL STANDARD	0.081	15:38
X[1] = 0.0810 (-0.0016) (0.0003)		
BLANK TEST	0.000	15:38

Average = 0.0810
Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 0.2

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.68 V	PASSED
(1.03 V - 2.39 V)	
Cooler Voltage = 1.68 V	PASSED
(1.04 V - 2.42 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 528 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 3.948 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 = 0.080 1.88% (0.00% - 4.00%)	PASSED
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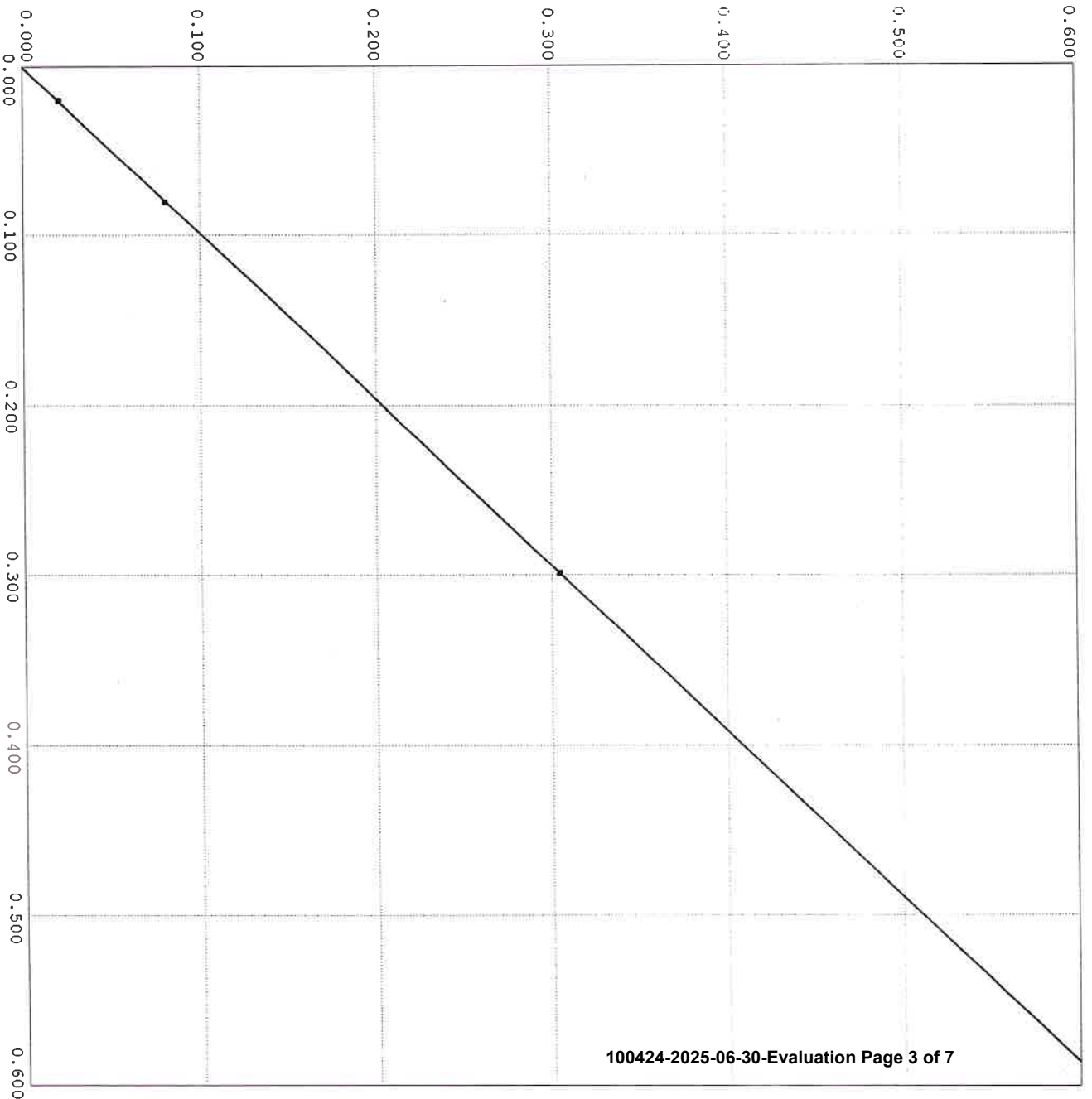
LINEARITY CHECK

Alaska Department of Public Safety
DATAMASTER dmt: 100424

Date: 06/30/2025
Time: 15:41:16

SUPERVISOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0210	0.0000
0.080	0.0814	0.0005
0.298	0.3054	0.0005
SLOPE	= 1.024229	
R ²	= 0.999987	



UG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100424

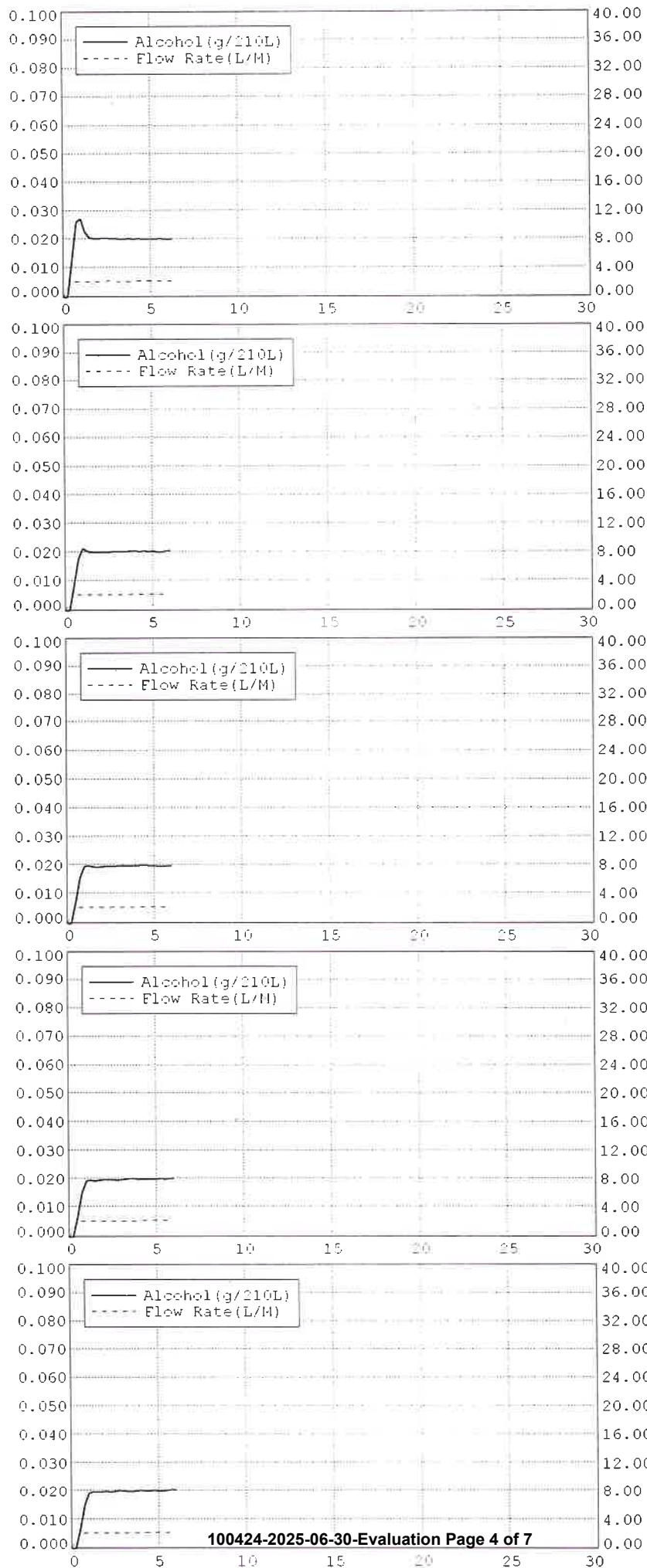
Date: 06/30/2025
Time: 15:41:18

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.75: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 667 psi

BLANK TEST	0.000	15:42
INTERNAL STANDARD	VERIFIED	15:42
EXTERNAL STANDARD	0.021	15:42
BLANK TEST	0.000	15:43
EXTERNAL STANDARD	0.021	15:43
BLANK TEST	0.000	15:44
EXTERNAL STANDARD	0.021	15:44
BLANK TEST	0.000	15:45
EXTERNAL STANDARD	0.021	15:45
BLANK TEST	0.000	15:46
EXTERNAL STANDARD	0.021	15:47
BLANK TEST	0.000	15:47

Average = 0.0210
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100424

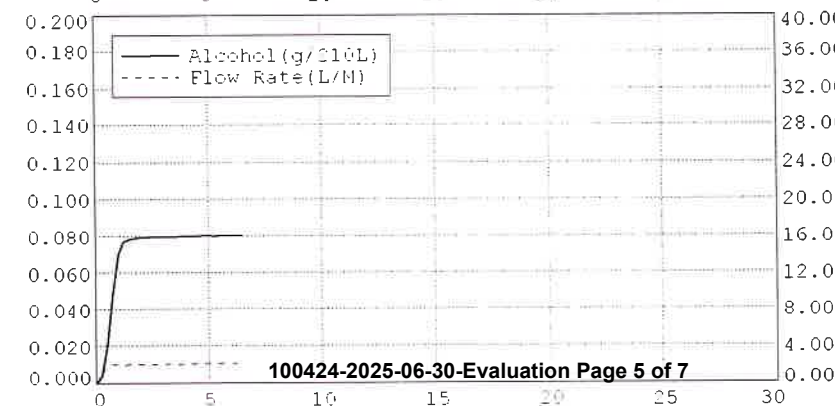
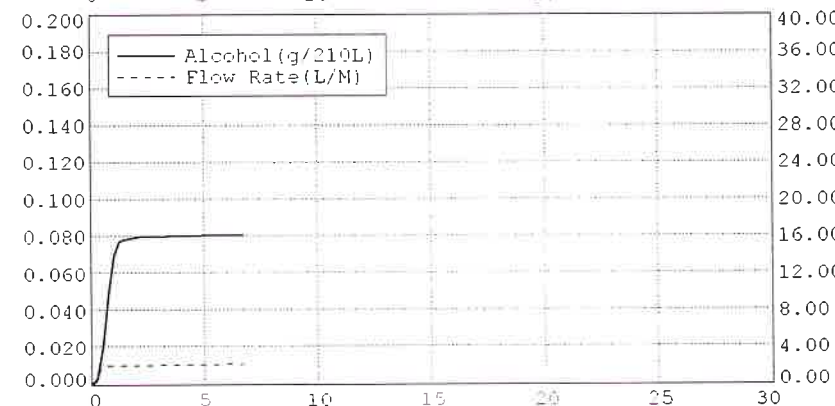
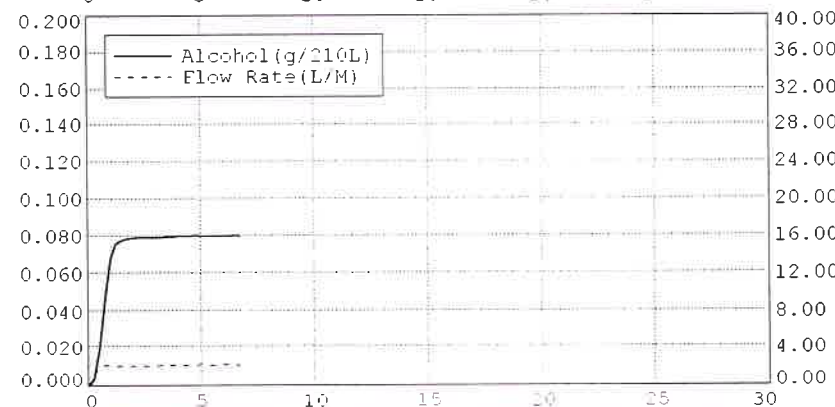
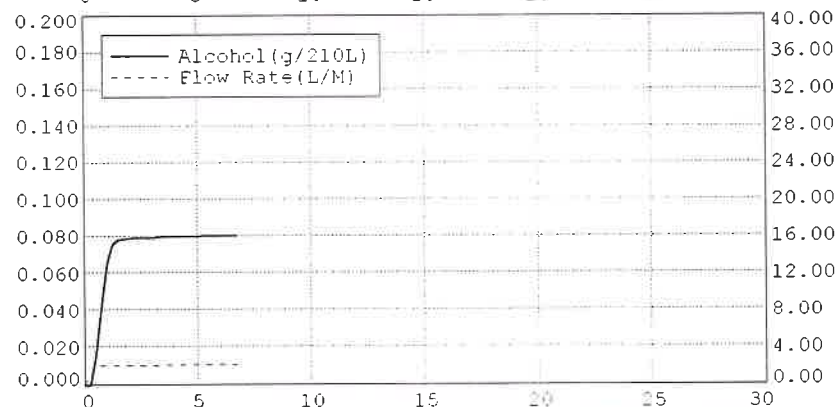
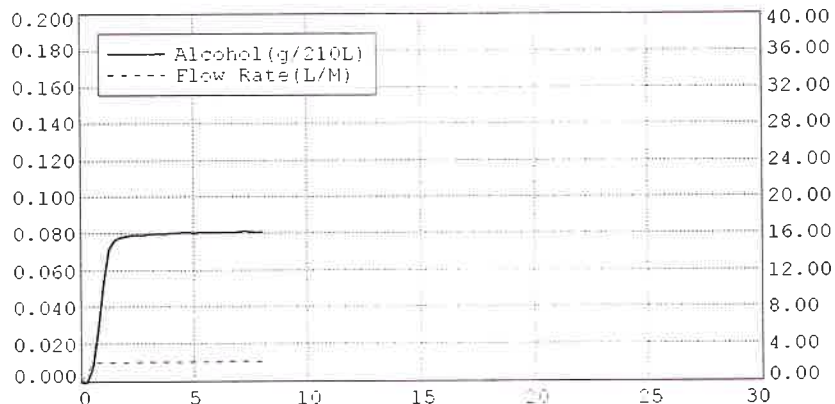
Date: 06/30/2025
Time: 15:48:40

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.75: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 604 psi

BLANK TEST	0.000	15:49
INTERNAL STANDARD	VERIFIED	15:49
EXTERNAL STANDARD	0.082	15:50
BLANK TEST	0.000	15:51
EXTERNAL STANDARD	0.081	15:51
BLANK TEST	0.000	15:52
EXTERNAL STANDARD	0.081	15:52
BLANK TEST	0.000	15:53
EXTERNAL STANDARD	0.082	15:53
BLANK TEST	0.000	15:54
EXTERNAL STANDARD	0.081	15:54
BLANK TEST	0.000	15:55

Average = 0.0814
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100424

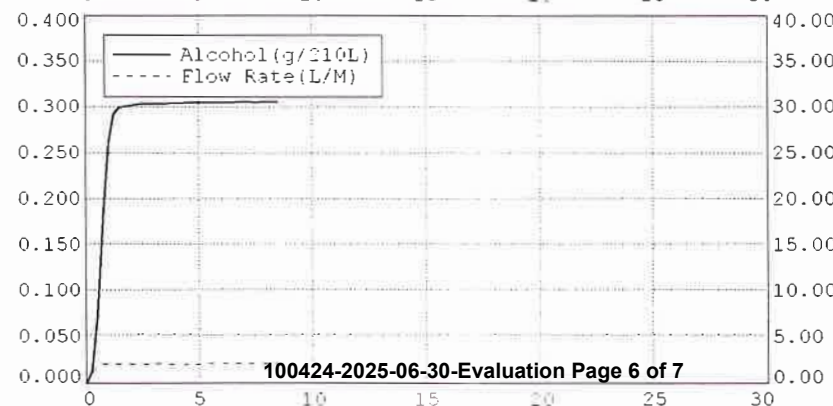
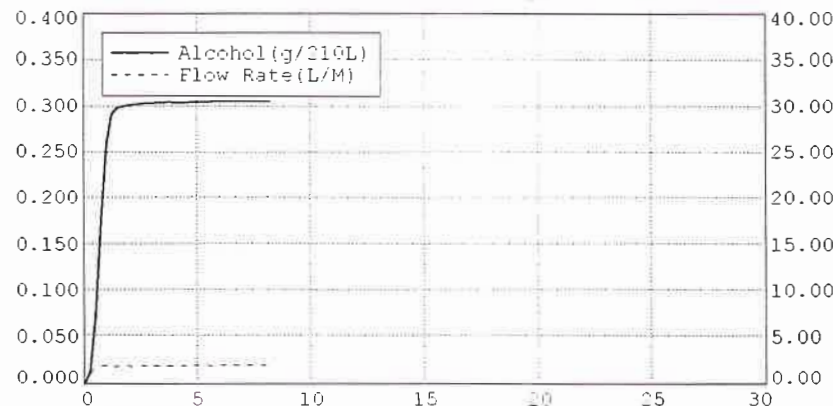
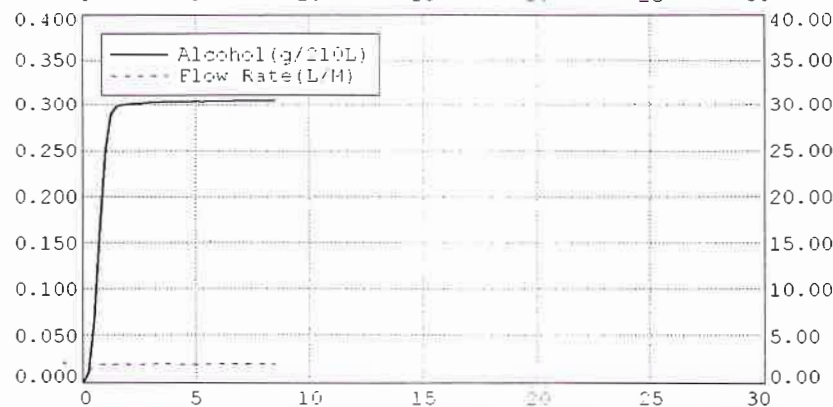
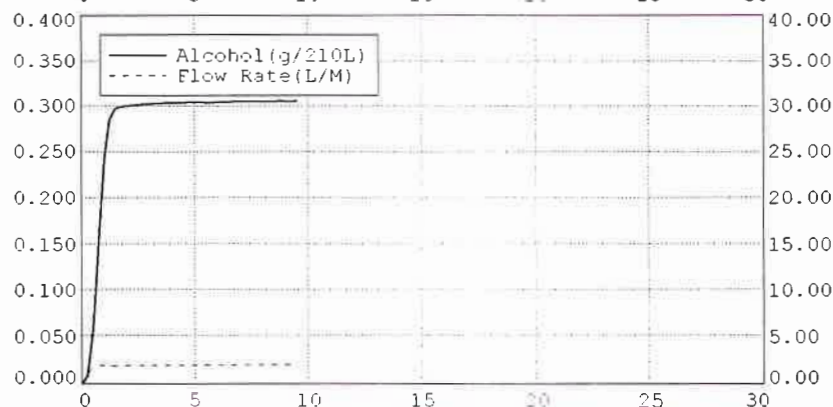
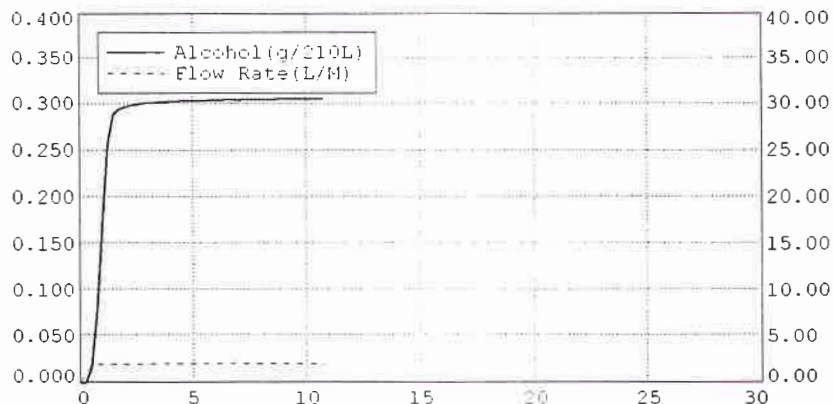
Date: 06/30/2025
Time: 15:57:43

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.74: 0.298
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 203 psi

BLANK TEST	0.000	15:59
INTERNAL STANDARD	VERIFIED	15:59
EXTERNAL STANDARD	0.305	15:59
BLANK TEST	0.000	16:00
EXTERNAL STANDARD	0.305	16:00
BLANK TEST	0.000	16:01
EXTERNAL STANDARD	0.305	16:01
BLANK TEST	0.000	16:02
EXTERNAL STANDARD	0.306	16:03
BLANK TEST	0.000	16:03
EXTERNAL STANDARD	0.306	16:04
BLANK TEST	0.000	16:05

Average = 0.3054
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100424

Date: 06/30/2025
Time: 16:08:54

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 29.75: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	16:09
BLANK TEST	0.000	16:10
INTERNAL STANDARD	VERIFIED	16:10
EXTERNAL STANDARD	0.082	16:10
BLANK TEST	0.000	16:11
SUBJECT SAMPLE (Vol=2.23L)	0.000	16:11
BLANK TEST	0.000	16:12
EXTERNAL STANDARD	0.082	16:12
BLANK TEST	0.000	16:13

OK

