

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100392

Analyst/Technician(s): Kaya Swisher

Start Date: 12/16/25

Date Instrument Received: 12/16/25

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): 29.22 Temperature (C): 20.1 Relative Humidity (%) 0

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

Notes: VOC internal standard greater than 3%. Adjustment needed.

☒ Attach Non-Drinking Subject Test

Conclusion:

☒ Ready for Adjustment

☐ Needs Repair

☐ Ready for Calibration

Lab Work End Date: 12/16/25

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All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100392

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/16/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.19: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1216 psi

BLANK TEST	0.000	10:02
INTERNAL STANDARD	VERIFIED	10:02
Xq = 0.099 (2.45%)		
EXTERNAL STANDARD	0.078	10:02
X[1] = 0.0784 (-0.0024) (0.0002)		
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.078	10:03
X[1] = 0.0785 (-0.0010) (0.0002)		
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.078	10:04
X[1] = 0.0778 (-0.0037) (0.0001)		
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.078	10:06
X[1] = 0.0783 (-0.0013) (0.0000)		
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.078	10:07
X[1] = 0.0784 (-0.0020) (0.0001)		
BLANK TEST	0.000	10:08

Average = 0.0780
Std Dev = 0.0000

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 = 45.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.76 V	PASSED
(1.01 V - 2.35 V)	
Cooler Voltage = 1.57 V	PASSED
(0.97 V - 2.27 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 521 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.952 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 = 0.100 3.26%	PASSED
(0.00% - 4.00%)	

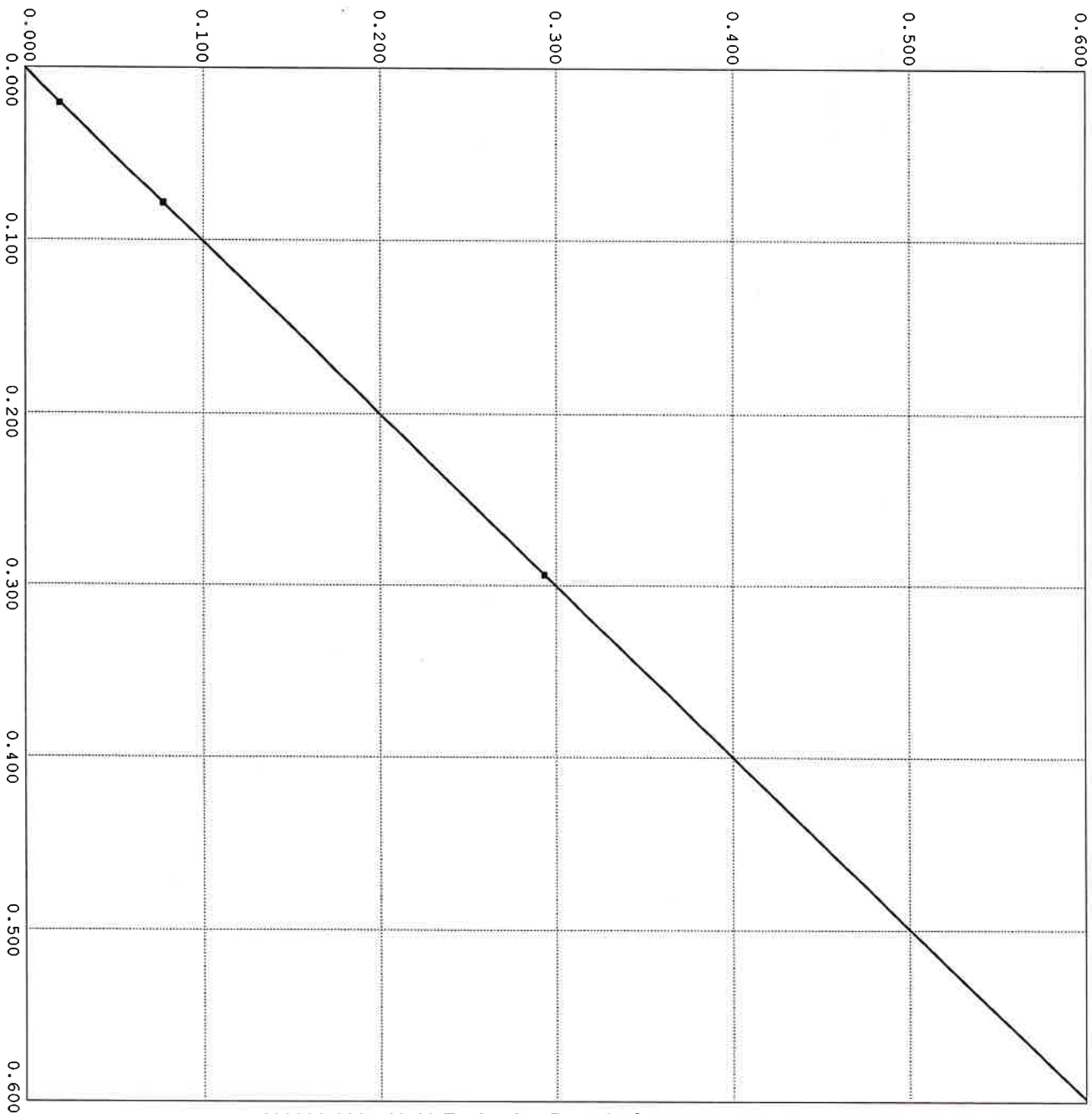
LINEARITY CHECK

Alaska Department of Public Safety
DATAMASTER dmt: 100392

Date: 12/16/2025
Time: 10:11:14

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0198	0.0004
0.078	0.0784	0.0005
0.293	0.2940	0.0000
SLOPE	= 1.003959	
R ²	= 0.999998	



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100392

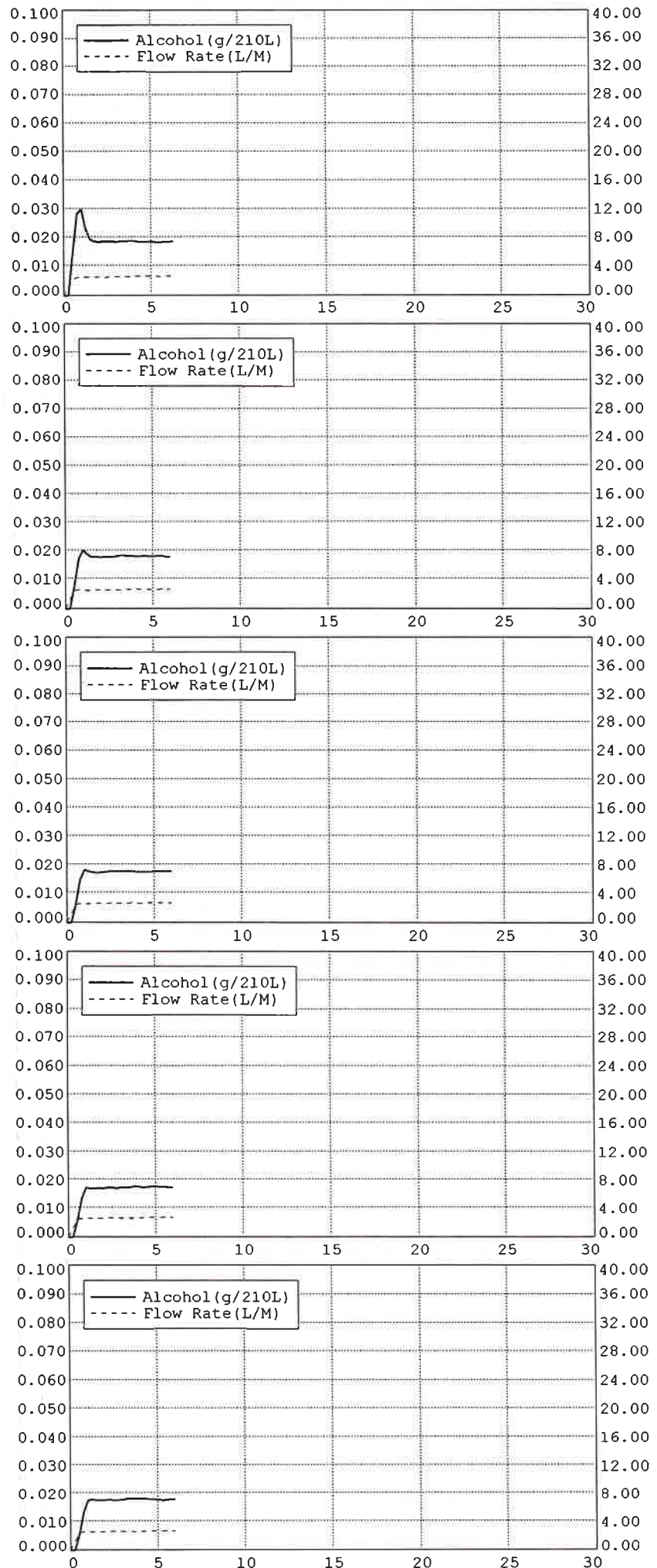
Date: 12/16/2025
Time: 10:11:16

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.20: 0.020
LOT #: AG515609
EXPIRATION: 06/05/2027
TANK PRESSURE: 1152 psi

BLANK TEST	0.000	10:12
INTERNAL STANDARD	VERIFIED	10:12
EXTERNAL STANDARD	0.020	10:13
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.020	10:14
BLANK TEST	0.000	10:15
EXTERNAL STANDARD	0.020	10:15
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.019	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.020	10:17
BLANK TEST	0.000	10:18

Average = 0.0198
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100392

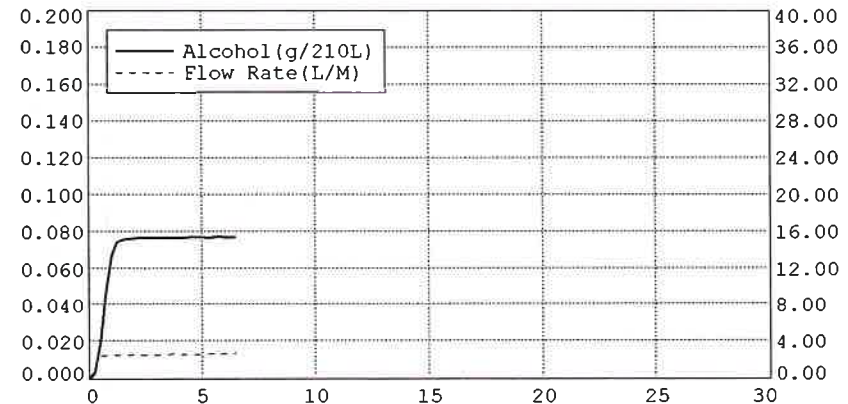
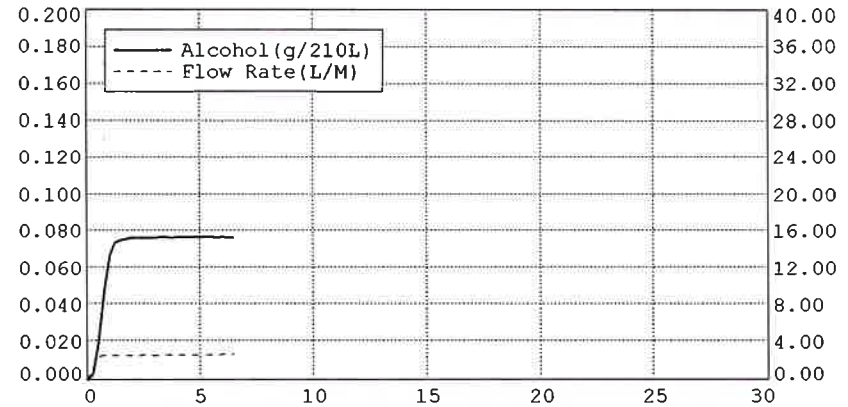
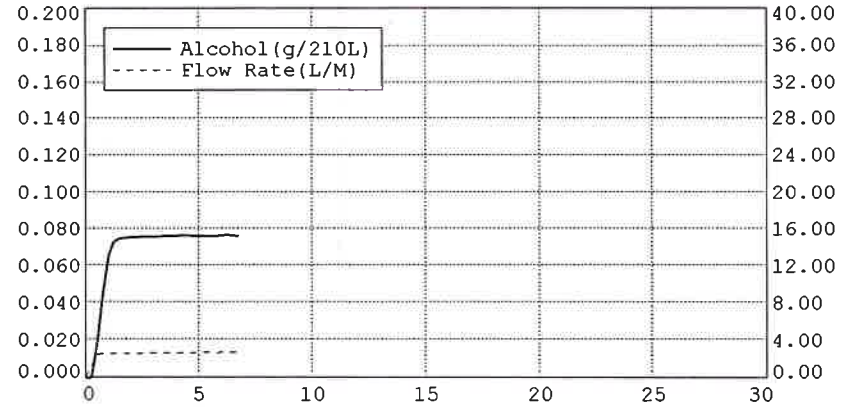
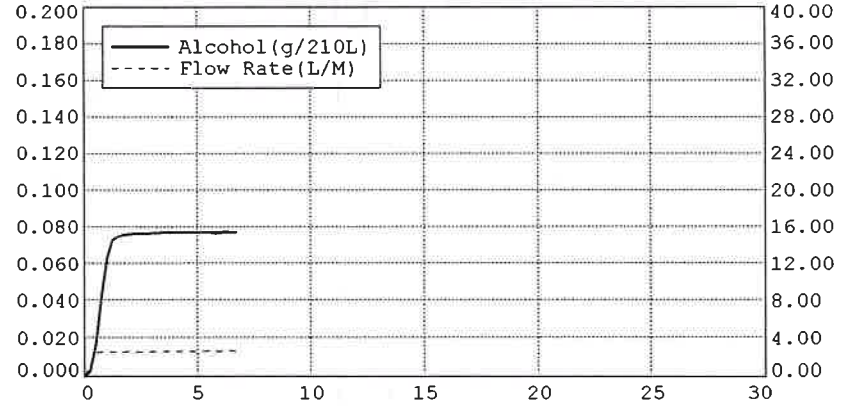
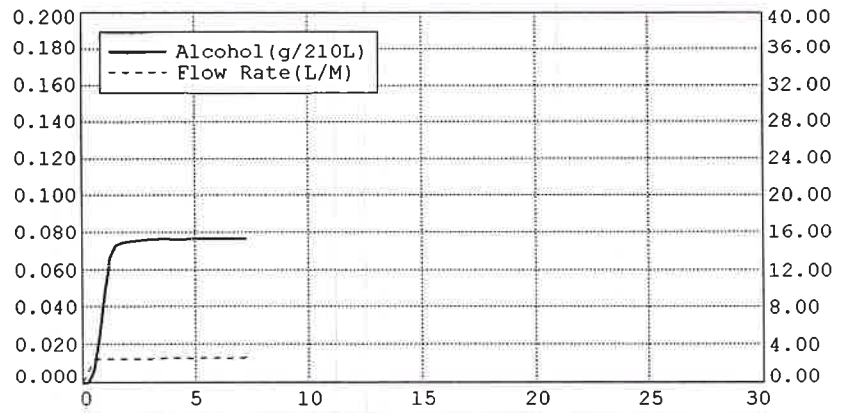
Date: 12/16/2025
Time: 10:21:04

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.20: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1194 psi

BLANK TEST	0.000	10:22
INTERNAL STANDARD	VERIFIED	10:22
EXTERNAL STANDARD	0.078	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.079	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.078	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.078	10:26
BLANK TEST	0.000	10:27
EXTERNAL STANDARD	0.079	10:27
BLANK TEST	0.000	10:28

Average = 0.0784
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100392

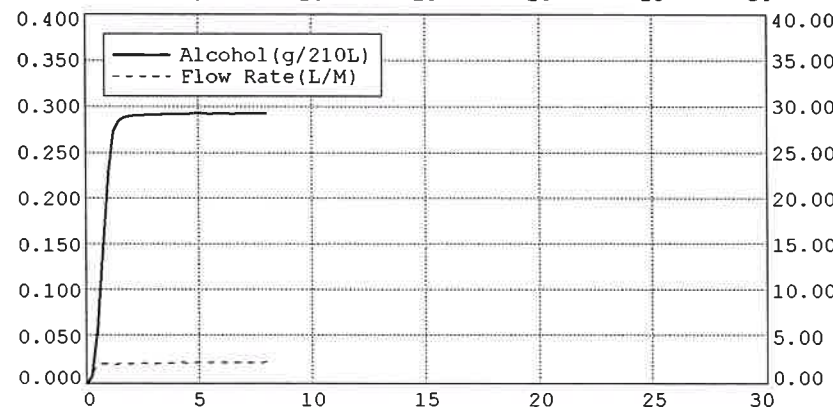
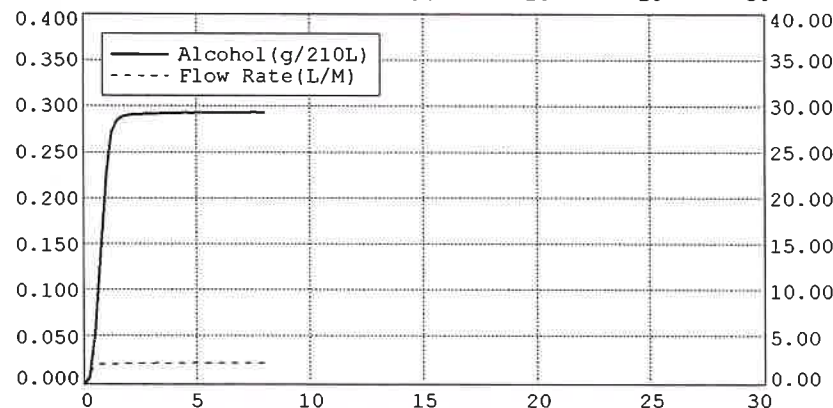
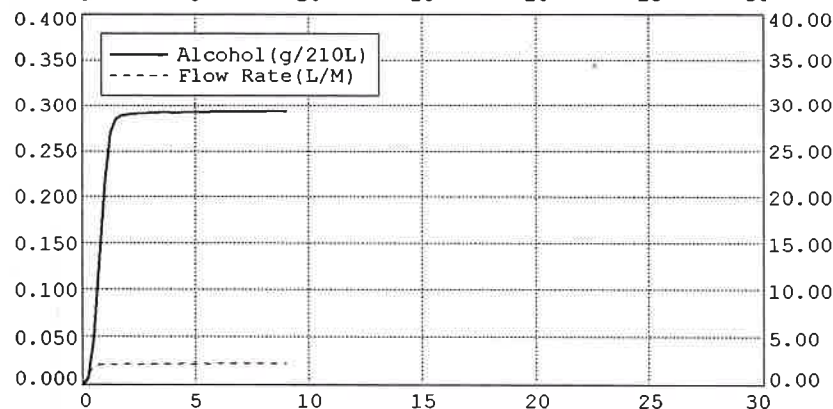
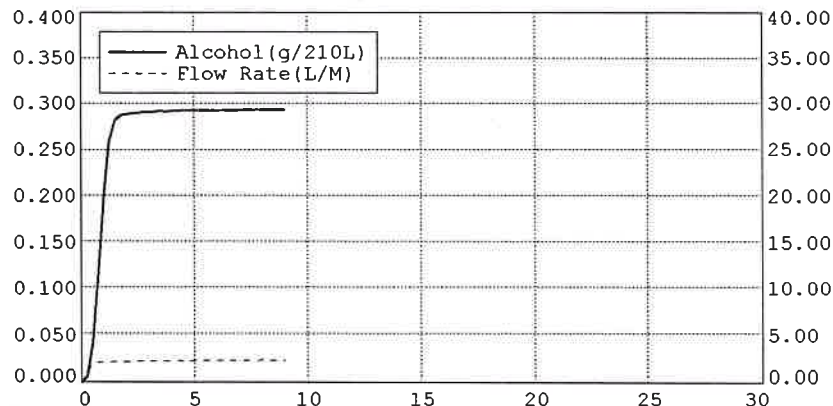
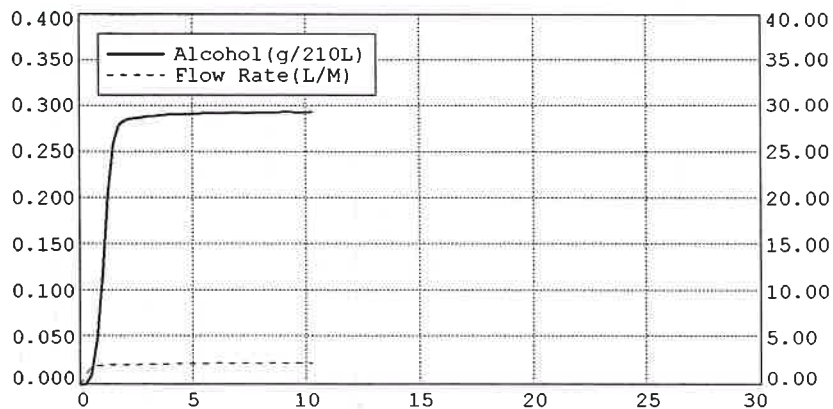
Date: 12/16/2025
Time: 10:30:26

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.19: 0.293
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 305 psi

BLANK TEST	0.000	10:31
INTERNAL STANDARD	VERIFIED	10:31
EXTERNAL STANDARD	0.294	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.294	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.294	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.294	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.294	10:36
BLANK TEST	0.000	10:37

Average = 0.2940
Std Dev = 0.0000



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmc: 100392

Date: 12/16/2025
Time: 10:42:47

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 29.20: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026

DIAGNOSTIC CHECK	PASSED	10:43
BLANK TEST	0.000	10:43
INTERNAL STANDARD	VERIFIED	10:44
EXTERNAL STANDARD	0.079	10:44
BLANK TEST	0.000	10:45
SUBJECT SAMPLE (Vol=1.90L)	0.000	10:45
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.079	10:46
BLANK TEST	0.000	10:47

