

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100697

Analyst/Technician(s): Charlie Glaister

Start Date: 5/22/25

Date Instrument Received: 5/15/25

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): 29.74 Temperature (C): 22.3 Relative Humidity (%): 21

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

Notes: Adjustment is being recommended due to previous internal standard errors while in the field. During evaluation no internal standard errors were experienced. Reset Options due to duplicate subject test printing.

☒ Attach Non-Drinking Subject Test

Conclusion:

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

Lab Work End Date: 5/22/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100697

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/22/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 266 psi

BLANK TEST	0.000	13:03
INTERNAL STANDARD	VERIFIED	13:03
Xq = 0.081 (1.97%)		
EXTERNAL STANDARD	0.078	13:03
X[1] = 0.0779 (-0.0021) (-0.0008)		
BLANK TEST	0.000	13:04
EXTERNAL STANDARD	0.079	13:04
X[1] = 0.0786 (-0.0009) (0.0000)		
BLANK TEST	0.000	13:05
EXTERNAL STANDARD	0.078	13:05
X[1] = 0.0783 (-0.0013) (0.0000)		
BLANK TEST	0.000	13:06
EXTERNAL STANDARD	0.078	13:06
X[1] = 0.0783 (-0.0012) (-0.0001)		
BLANK TEST	0.000	13:07
EXTERNAL STANDARD	0.078	13:07
X[1] = 0.0783 (-0.0012) (0.0003)		
BLANK TEST	0.000	13:08

Average = 0.0782
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.70 V	PASSED
(1.06 V - 2.46 V)	
Cooler Voltage = 1.69 V	PASSED
(1.01 V - 2.37 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 509 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.022 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.001 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 = 0.081	1.64%	(0.00% - 4.00%)	PASSED
------------	-------	-----------------	--------

LINEARITY CHECK

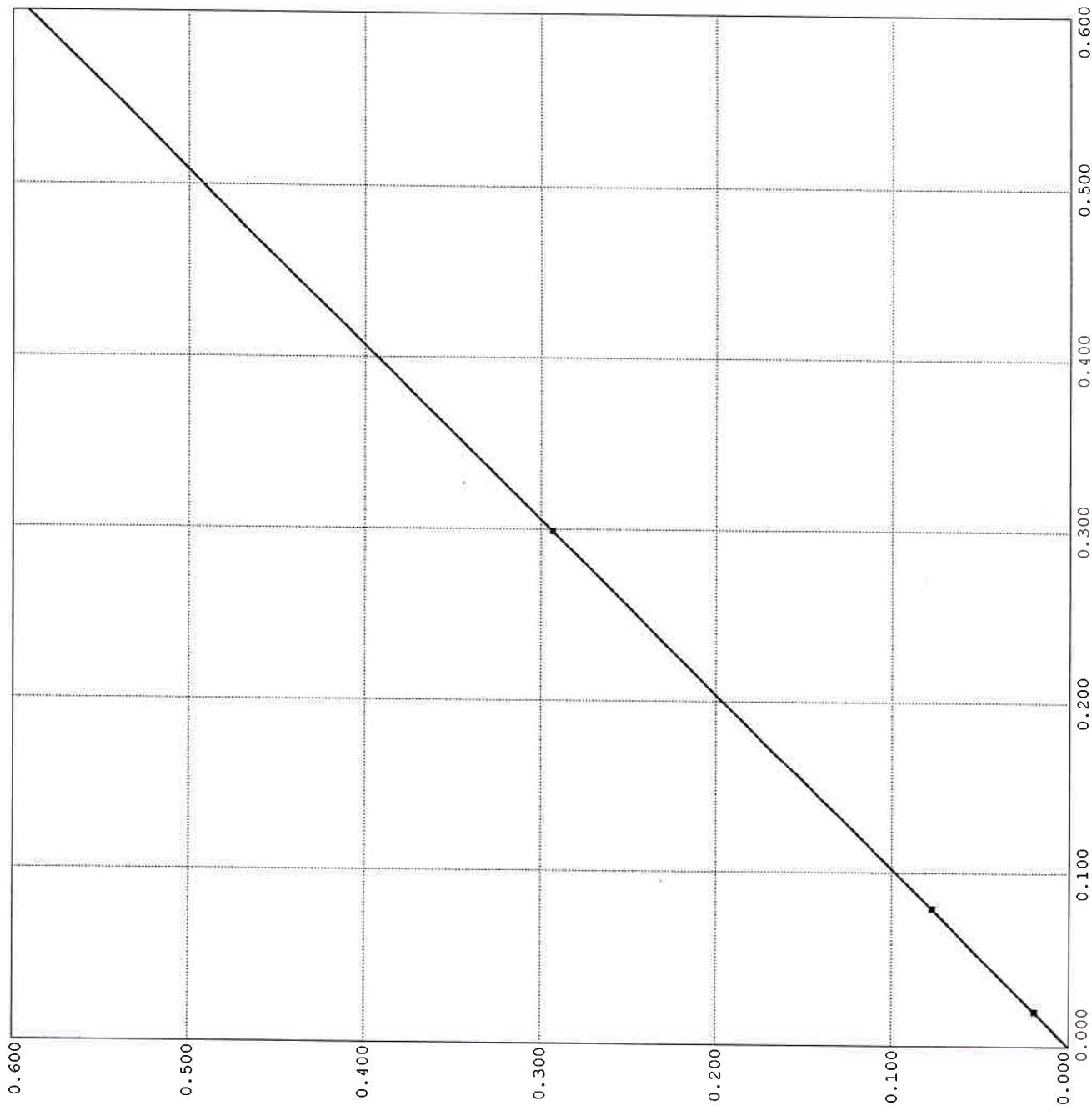
Alaska Department of Public Safety
DATAMASTER dmt: 100697

Date: 05/22/2025
Time: 13:10:29

SUPERVISOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0202	0.0004
0.079	0.0782	0.0004
0.298	0.2940	0.0007

SLOPE = 0.985027
R² = 1.000000



CKG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100697

Date: 05/22/2025

Time: 13:10:32

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020

TARGET AT 29.71: 0.020

LOT #: AG408002

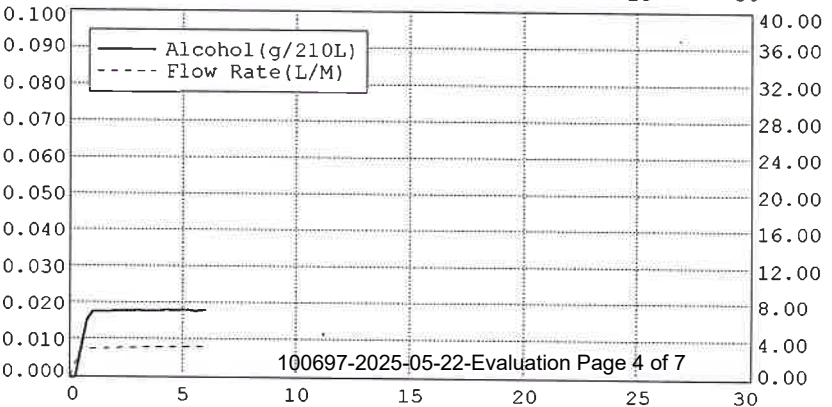
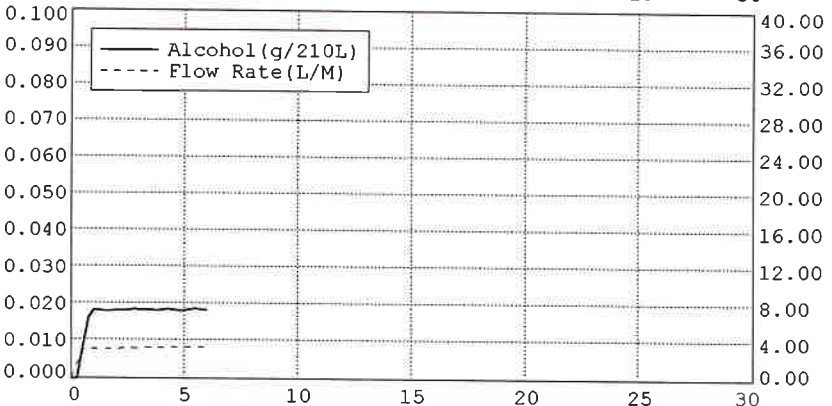
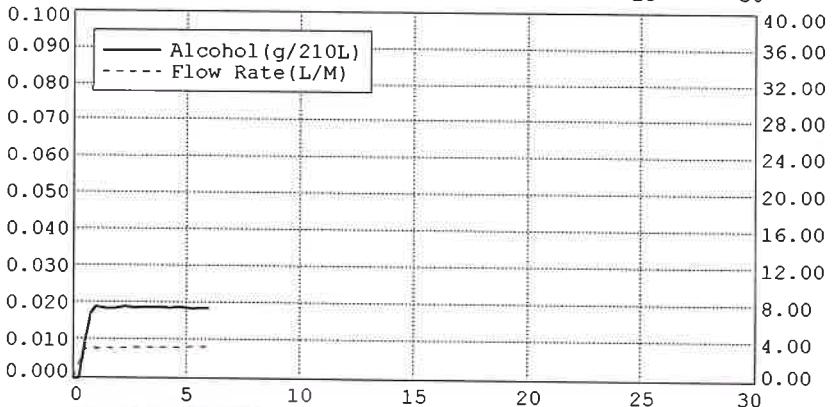
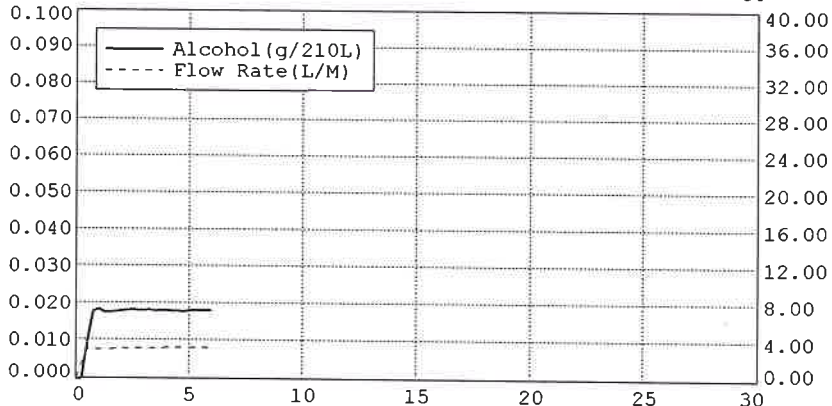
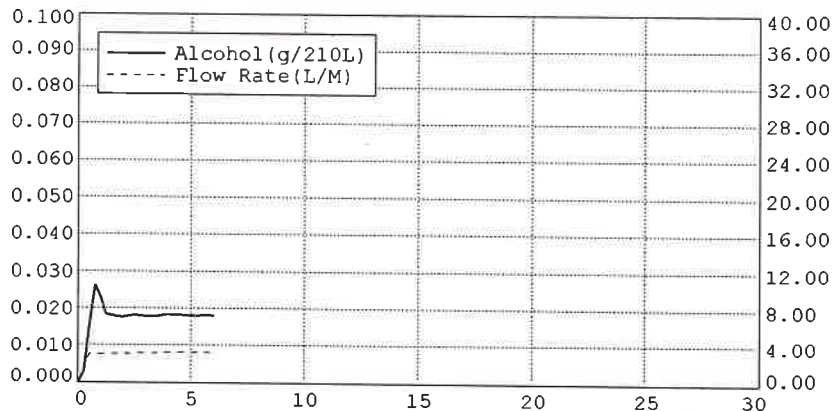
EXPIRATION: 03/20/2026

TANK PRESSURE: 893 psi

BLANK TEST	0.000	13:11
INTERNAL STANDARD	VERIFIED	13:11
EXTERNAL STANDARD	0.020	13:12
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.020	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.021	13:14
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.020	13:15
BLANK TEST	0.000	13:16
EXTERNAL STANDARD	0.020	13:16
BLANK TEST	0.000	13:17

Average = 0.0202

Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100697

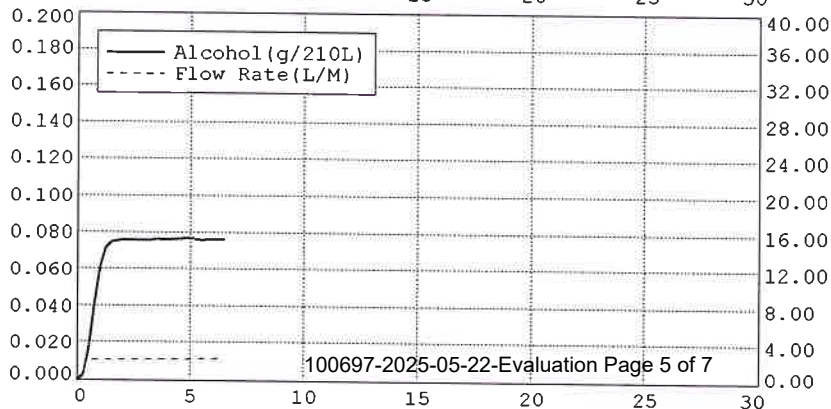
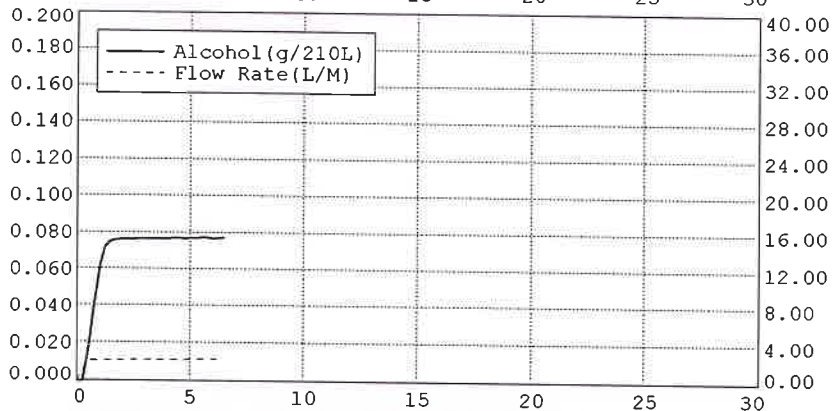
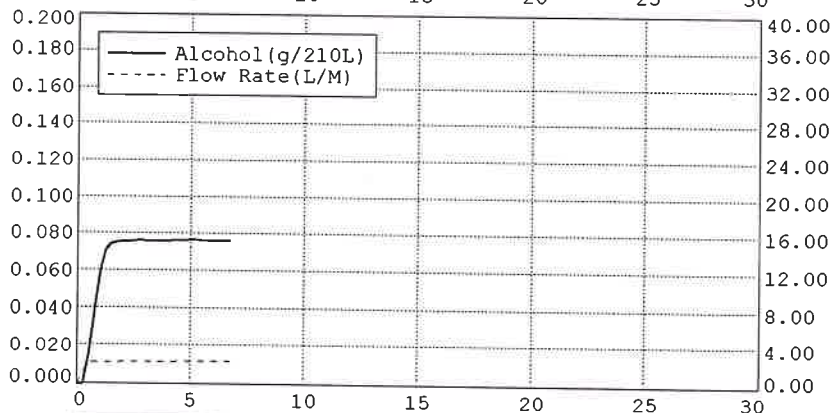
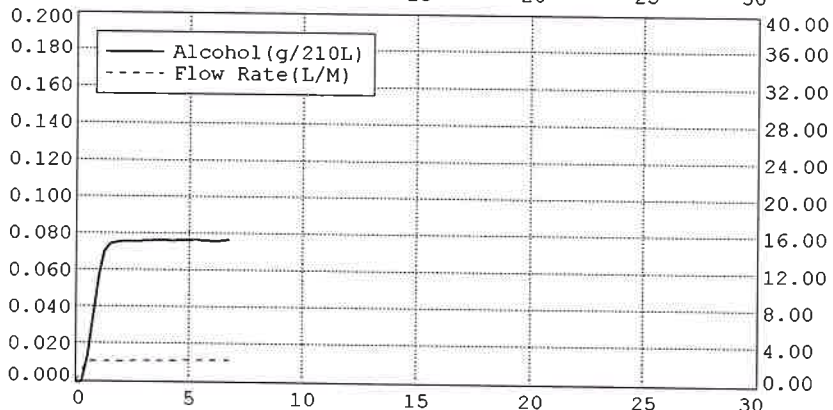
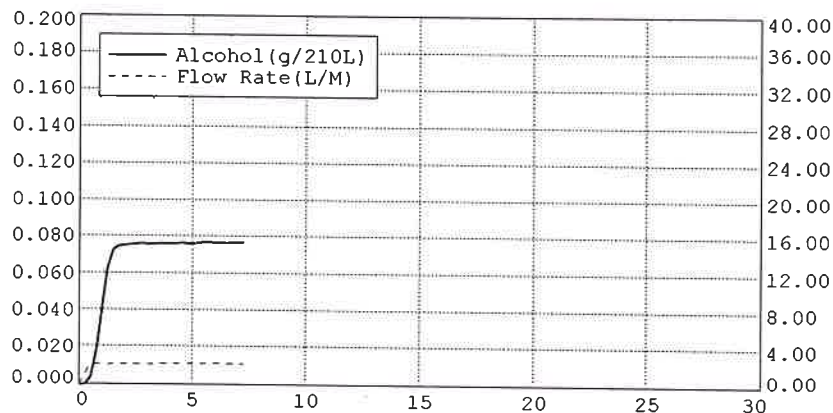
Date: 05/22/2025
Time: 13:24:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 247 psi

Test Type	Value	Time
BLANK TEST	0.000	13:26
INTERNAL STANDARD	VERIFIED	13:26
EXTERNAL STANDARD	0.078	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.078	13:27
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.078	13:28
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.079	13:29
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.078	13:31
BLANK TEST	0.000	13:31

Average = 0.0782
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100697

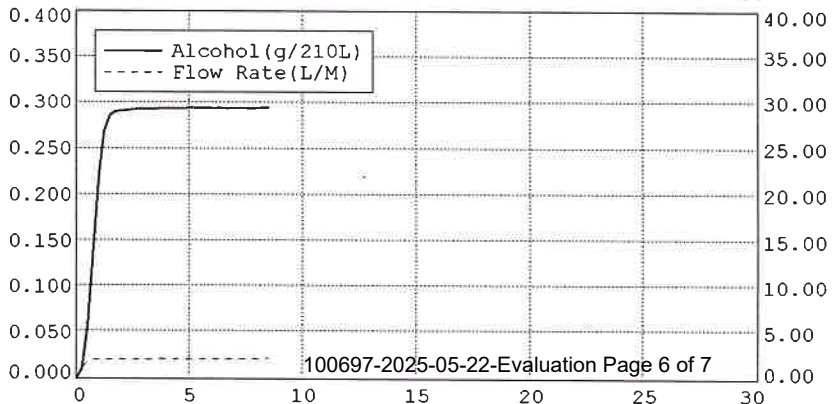
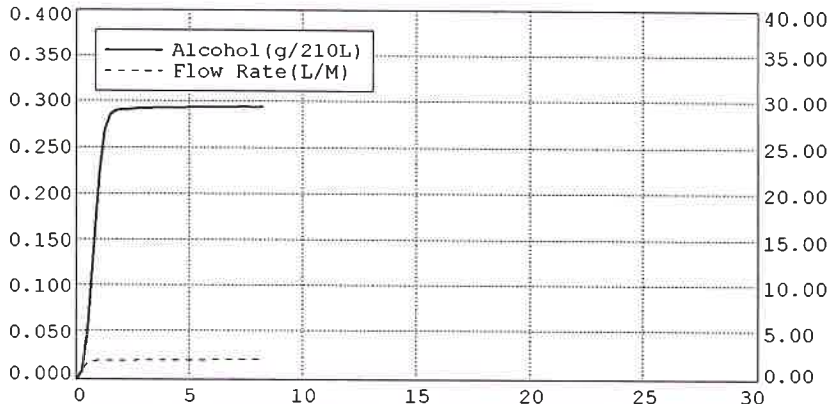
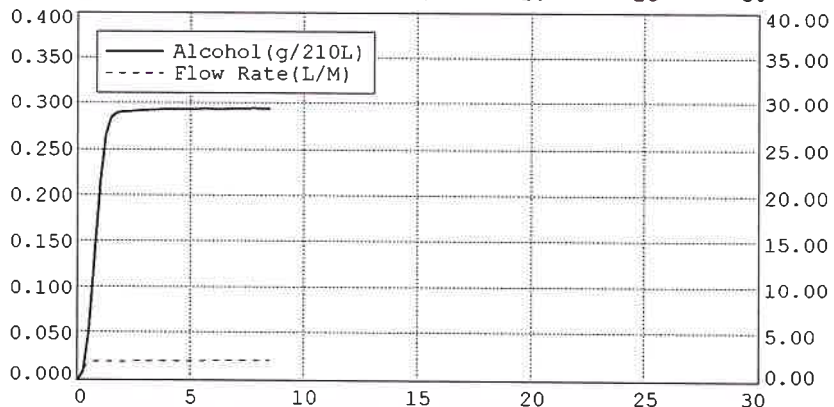
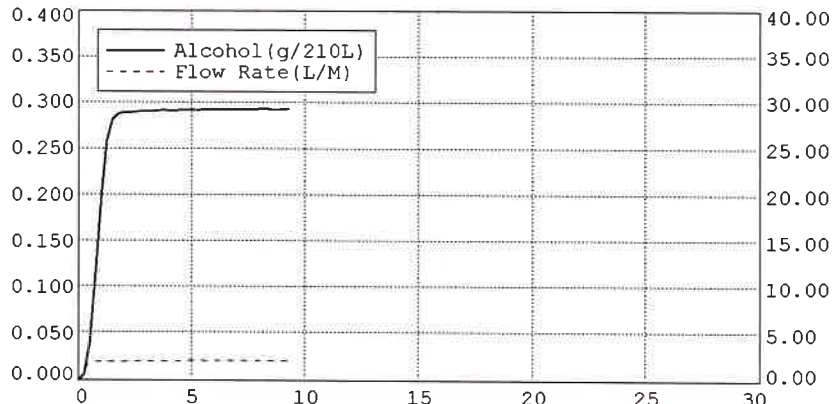
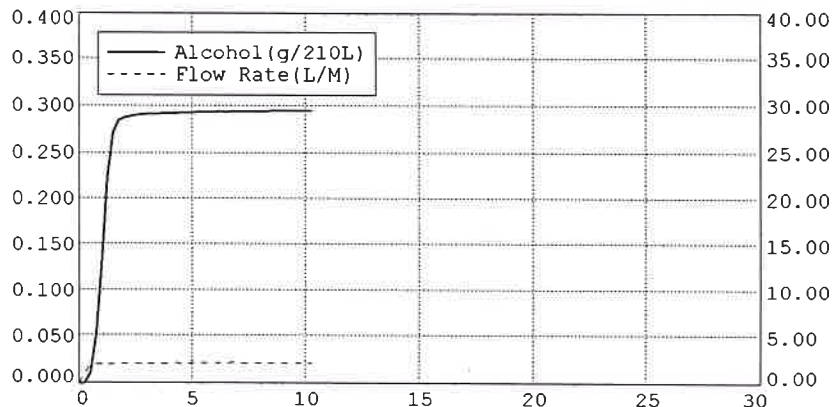
Date: 05/22/2025
Time: 13:32:43

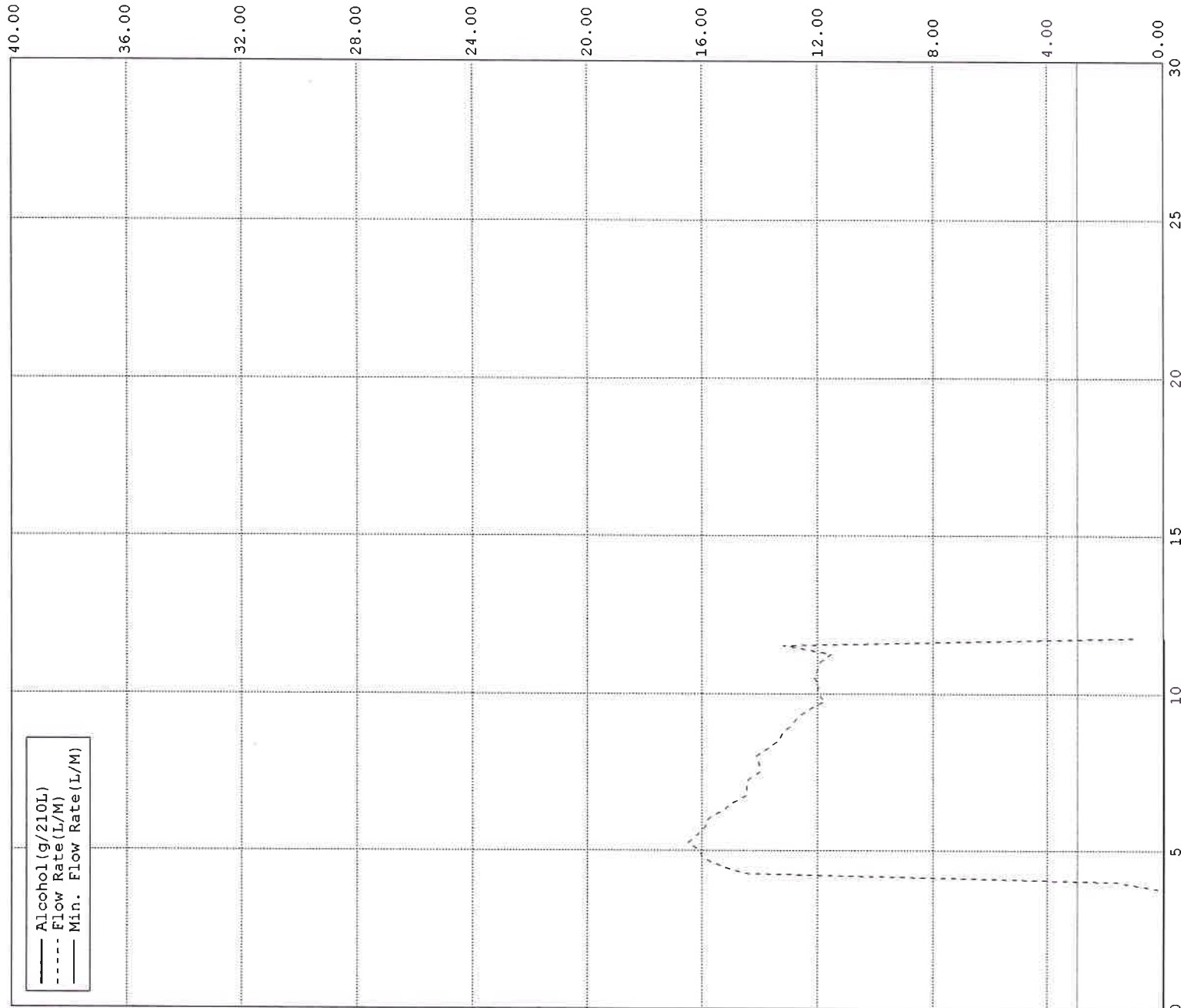
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.71: 0.298
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 163 psi

BLANK TEST	0.000	13:34
INTERNAL STANDARD	VERIFIED	13:34
EXTERNAL STANDARD	0.295	13:34
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.293	13:35
BLANK TEST	0.000	13:36
EXTERNAL STANDARD	0.294	13:36
BLANK TEST	0.000	13:37
EXTERNAL STANDARD	0.294	13:37
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.294	13:39
BLANK TEST	0.000	13:39

Average = 0.2940
Std Dev = 0.0007





SUBJECT TEST	

Alaska Department of Public Safety	
DATAMASTER dmt: 100697	

Date: 05/22/2025	
Time: 13:43:16	

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 13:44
BLANK TEST	0.000 13:44
INTERNAL STANDARD	VERIFIED 13:44
EXTERNAL STANDARD	0.080 13:44
BLANK TEST	0.000 13:45
SUBJECT SAMPLE (Vol=1.74L)	0.000 13:46
BLANK TEST	0.000 13:47
EXTERNAL STANDARD	0.079 13:47
BLANK TEST	0.000 13:48