

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100695

Analyst/Technician(s): Carlie Maister

Start Date: 5/22/25

Date Instrument Received: 5/19/25

Reason for instrument evaluation

Lack of agency communication w/ crime lab

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): 22.8 Relative Humidity (%): 20

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: 5/22/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100695

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/22/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 292 psi

BLANK TEST	0.000	12:46
INTERNAL STANDARD	VERIFIED	12:46
Xq = 0.115 (0.86%)		
EXTERNAL STANDARD	0.078	12:46
X[1] = 0.0782 (-0.0024) (0.0015)		
BLANK TEST	0.000	12:47
EXTERNAL STANDARD	0.078	12:47
X[1] = 0.0782 (-0.0021) (0.0013)		
BLANK TEST	0.000	12:48
EXTERNAL STANDARD	0.079	12:48
X[1] = 0.0787 (-0.0018) (0.0015)		
BLANK TEST	0.000	12:49
EXTERNAL STANDARD	0.078	12:49
X[1] = 0.0782 (-0.0023) (0.0015)		
BLANK TEST	0.000	12:50
EXTERNAL STANDARD	0.078	12:50
X[1] = 0.0782 (-0.0019) (0.0007)		
BLANK TEST	0.000	12:51

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 = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.73 V	PASSED
(1.07 V - 2.51 V)	
Cooler Voltage = 1.87 V	PASSED
(1.07 V - 2.51 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 561 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.275 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 = 0.114	0.54%	(0.00% - 4.00%)	PASSED
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LINEARITY CHECK

Alaska Department of Public Safety

DATAMASTER dmt: 100695

Date: 05/22/2025

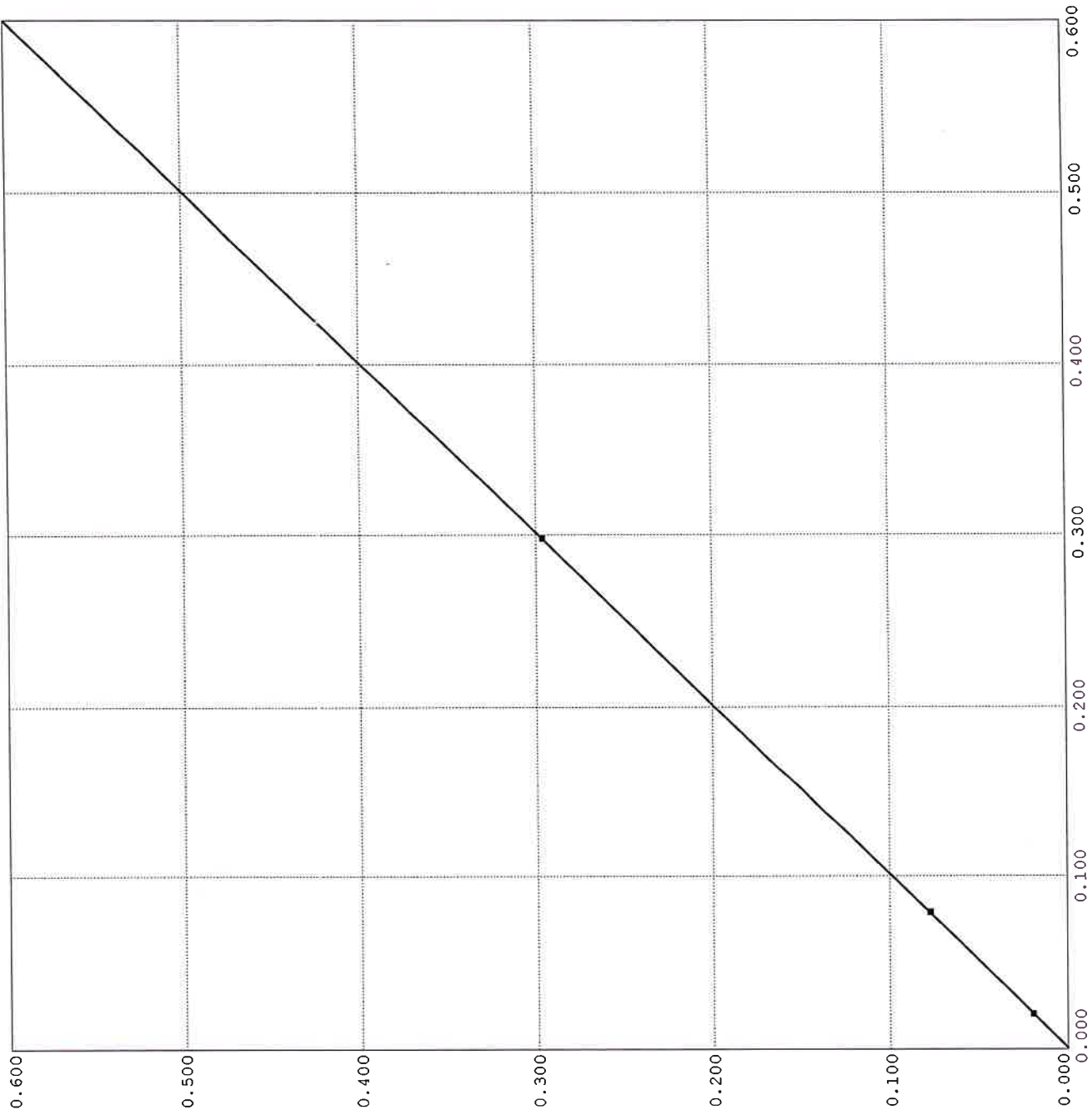
Time: 12:55:14

SUPERVISOR NAME:

CARLIE GLAISTER

OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.079	0.0782	0.0004
0.297	0.2970	0.0000
SLOPE = 1.000996		
R ² = 0.999991		



CVB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100695

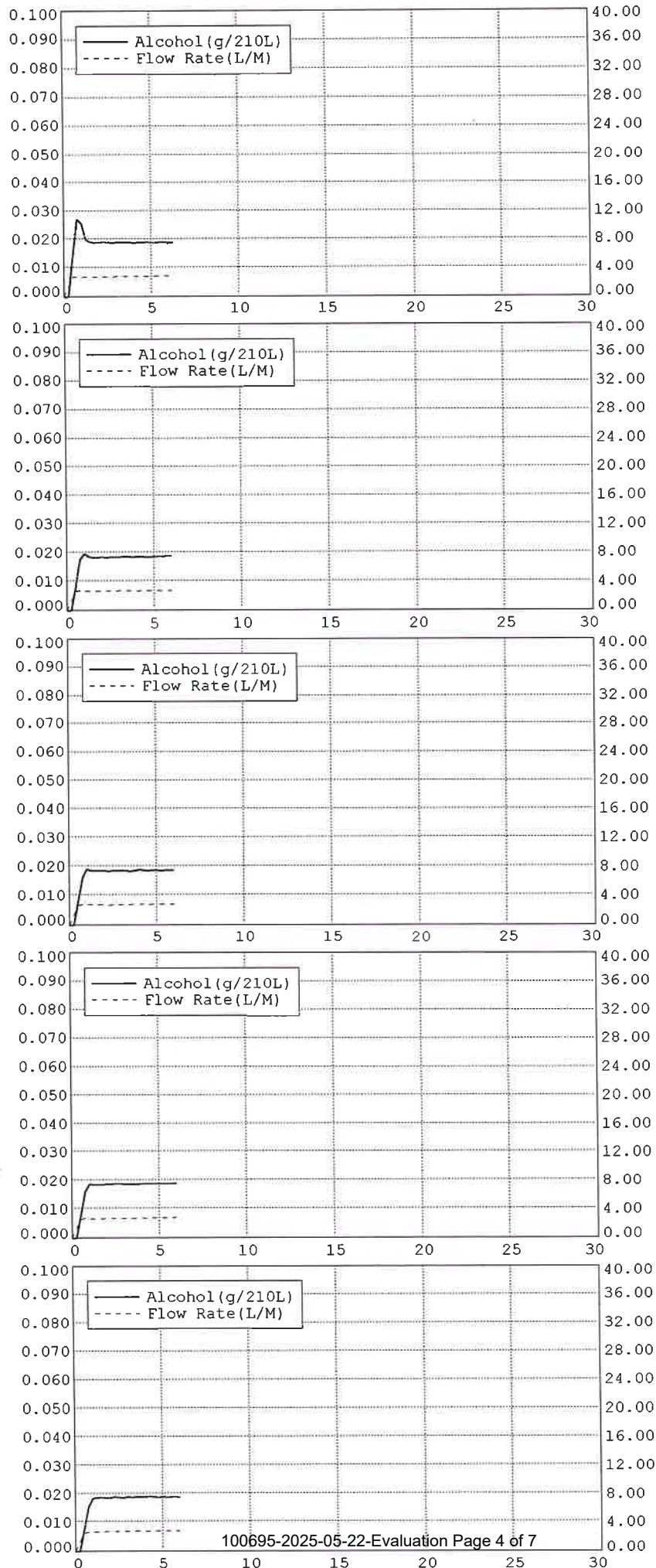
Date: 05/22/2025
Time: 12:55:17

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.66: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 938 psi

TEST TYPE	CONCENTRATION	TIME
BLANK TEST	0.000	12:56
INTERNAL STANDARD	VERIFIED	12:56
EXTERNAL STANDARD	0.020	12:56
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.020	12:58
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.020	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.020	13:00
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.020	13:01
BLANK TEST	0.000	13:02

Average = 0.0200
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100695

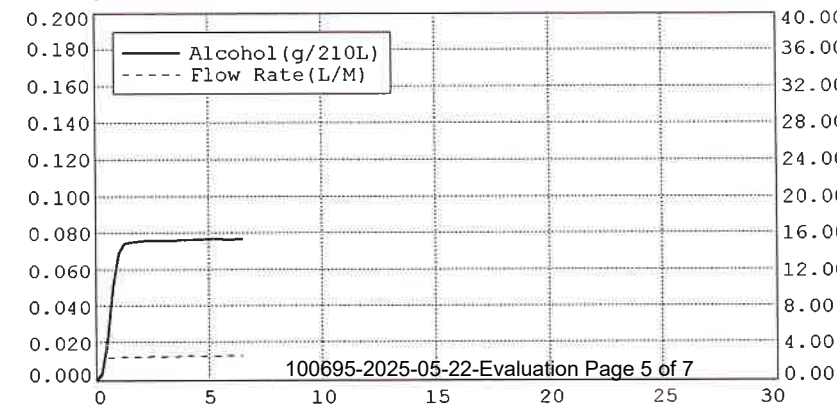
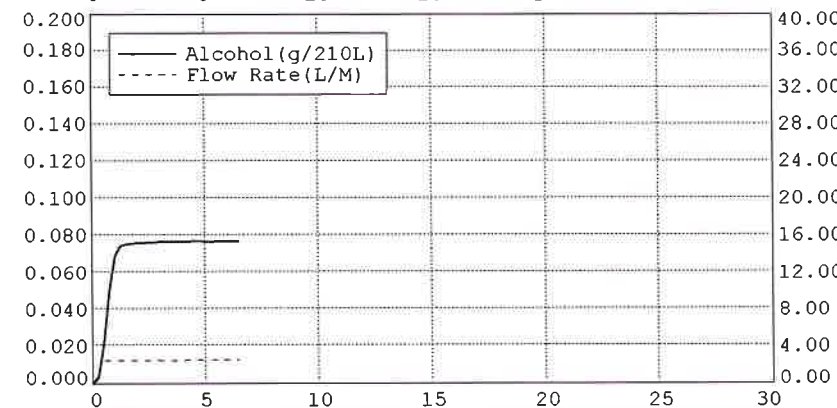
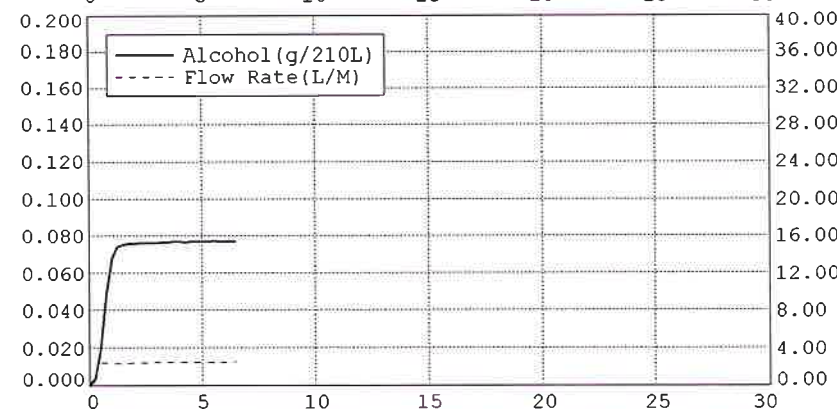
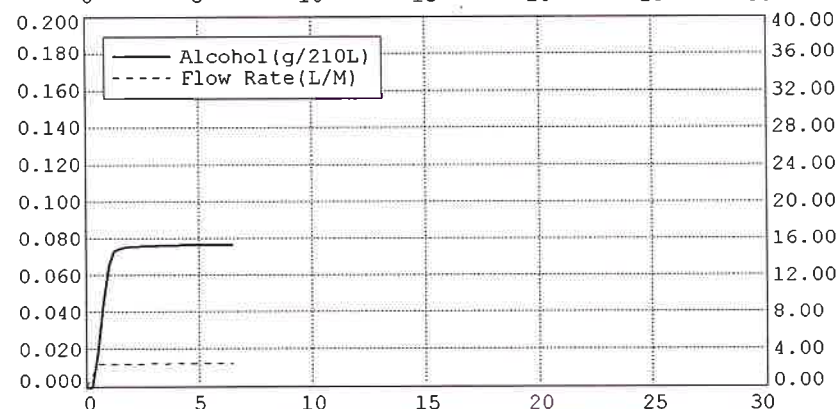
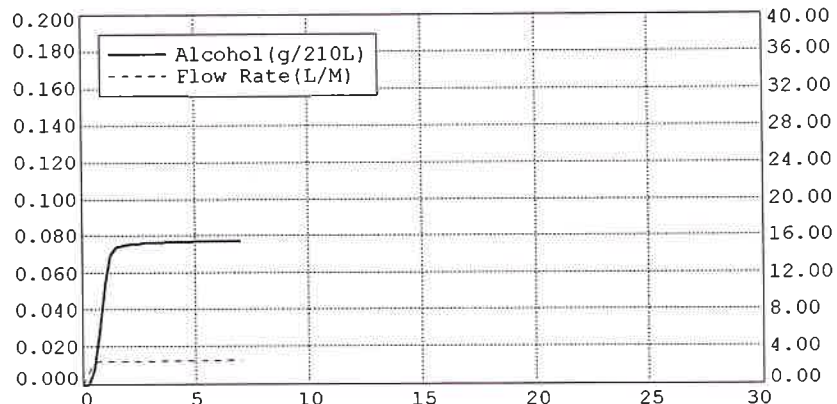
Date: 05/22/2025
Time: 13:03:00

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 277 psi

BLANK TEST	0.000	13:04
INTERNAL STANDARD	VERIFIED	13:04
EXTERNAL STANDARD	0.079	13:04
BLANK TEST	0.000	13:05
EXTERNAL STANDARD	0.078	13:05
BLANK TEST	0.000	13:06
EXTERNAL STANDARD	0.078	13:06
BLANK TEST	0.000	13:07
EXTERNAL STANDARD	0.078	13:07
BLANK TEST	0.000	13:08
EXTERNAL STANDARD	0.078	13:08
BLANK TEST	0.000	13:09

Average = 0.0782
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100695

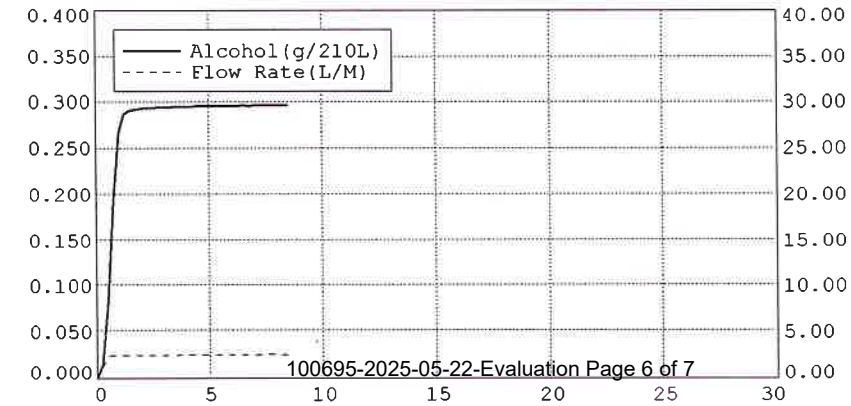
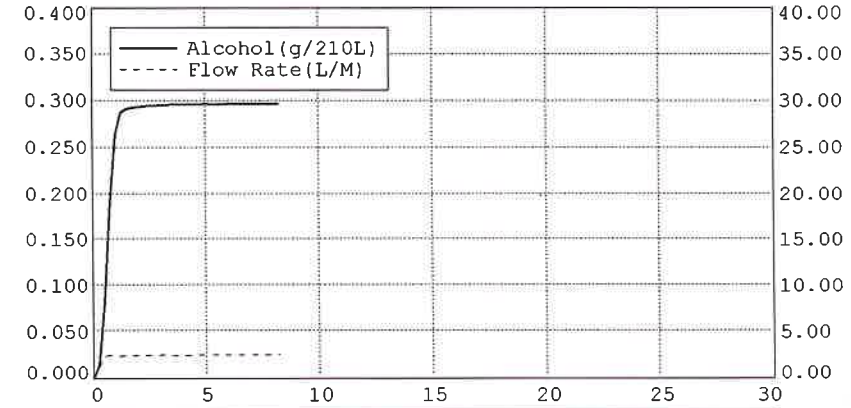
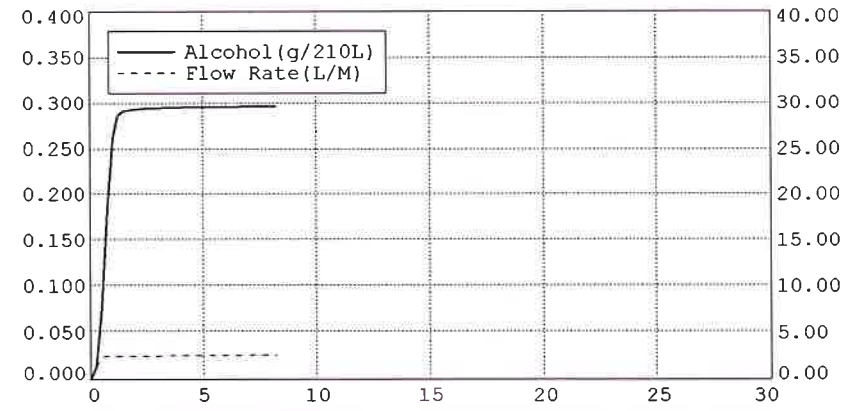
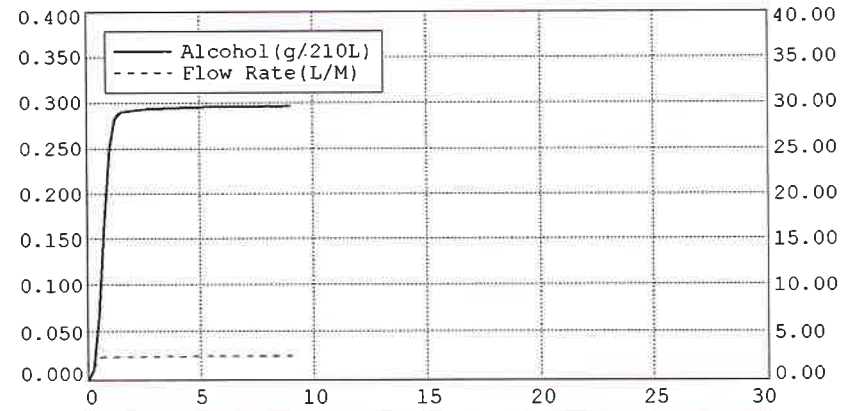
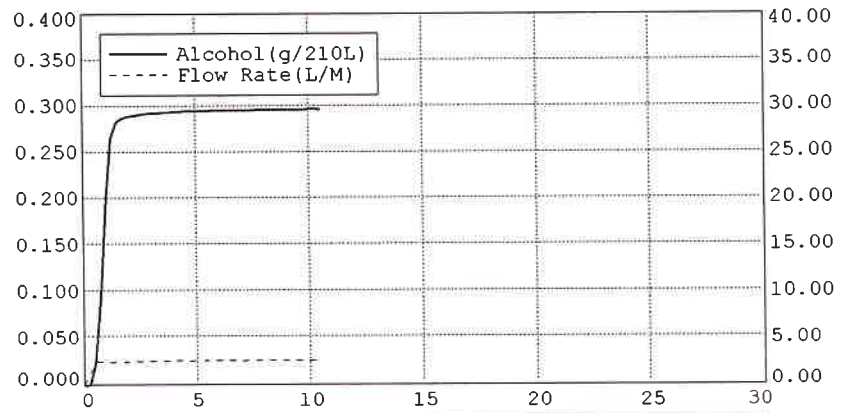
Date: 05/22/2025
Time: 13:10:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.66: 0.297
LOT #: AG427709
EXPIRATION: 10/03/2026
TANK PRESSURE: 186 psi

BLANK TEST	0.000	13:12
INTERNAL STANDARD	VERIFIED	13:12
EXTERNAL STANDARD	0.297	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.297	13:14
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.297	13:15
BLANK TEST	0.000	13:16
EXTERNAL STANDARD	0.297	13:16
BLANK TEST	0.000	13:17
EXTERNAL STANDARD	0.297	13:17
BLANK TEST	0.000	13:18

Average = 0.2970
Std Dev = 0.0000



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100695

Date: 05/22/2025
Time: 13:22:30

SUBJECT NAME:
TEST TEST
LICENSE #: XXXXX

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 29.66: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:23
BLANK TEST	0.000	13:23
INTERNAL STANDARD	VERIFIED	13:23
EXTERNAL STANDARD	0.079	13:24
BLANK TEST	0.000	13:25
SUBJECT SAMPLE (Vol=1.95L)	0.000	13:25
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.079	13:26
BLANK TEST	0.000	13:27

CKG

