

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100414

Analyst/Technician(s): Carlisle Glauster

Start Date: 7/3/25

Date Instrument Received: 7/1/25

Reason for instrument evaluation

No breath flow

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): 29.76 Temperature (C): 21.3 Relative Humidity (%): 41

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

Notes: No o-ring present on regulator, added. Solenoid wire is flaking & exposed, resting on mirror block. Recommend replacing & rerouting this wire (touching wire causes pin to move). 5-way valve stuck - unable to provide breath sample for non-drinking subject test. End of non-drinking subject test has a detector response with no flow. Reset options due to 2 subject tests printing.

☒ Attach Non-Drinking Subject Test

Conclusion:

☐ Ready for Adjustment

☒ Needs Repair

☐ Ready for Calibration

Lab Work End Date: 7/3/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100414

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/03/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.74: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 554 psi

BLANK TEST	0.000	09:23
INTERNAL STANDARD	VERIFIED	09:23
Xq = 0.089 (0.88%)		
EXTERNAL STANDARD	0.077	09:23
X[1] = 0.0773 (-0.0004) (0.0019)		
BLANK TEST	0.000	09:24
EXTERNAL STANDARD	0.078	09:24
X[1] = 0.0778 (-0.0008) (0.0016)		
BLANK TEST	0.000	09:25
EXTERNAL STANDARD	0.079	09:26
X[1] = 0.0787 (0.0001) (0.0019)		
BLANK TEST	0.000	09:27
EXTERNAL STANDARD	0.078	09:27
X[1] = 0.0784 (0.0000) (0.0013)		
BLANK TEST	0.000	09:28
EXTERNAL STANDARD	0.078	09:28
X[1] = 0.0782 (-0.0003) (0.0010)		
BLANK TEST	0.000	09:29

Average = 0.0780
Std Dev = 0.0007

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.88 V	PASSED
(1.04 V - 2.44 V)	
Cooler Voltage = 1.77 V	PASSED
(1.07 V - 2.51 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 510 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 5.376 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 = 0.091 1.65%	PASSED
(0.00% - 4.00%)	

LINEARITY CHECK

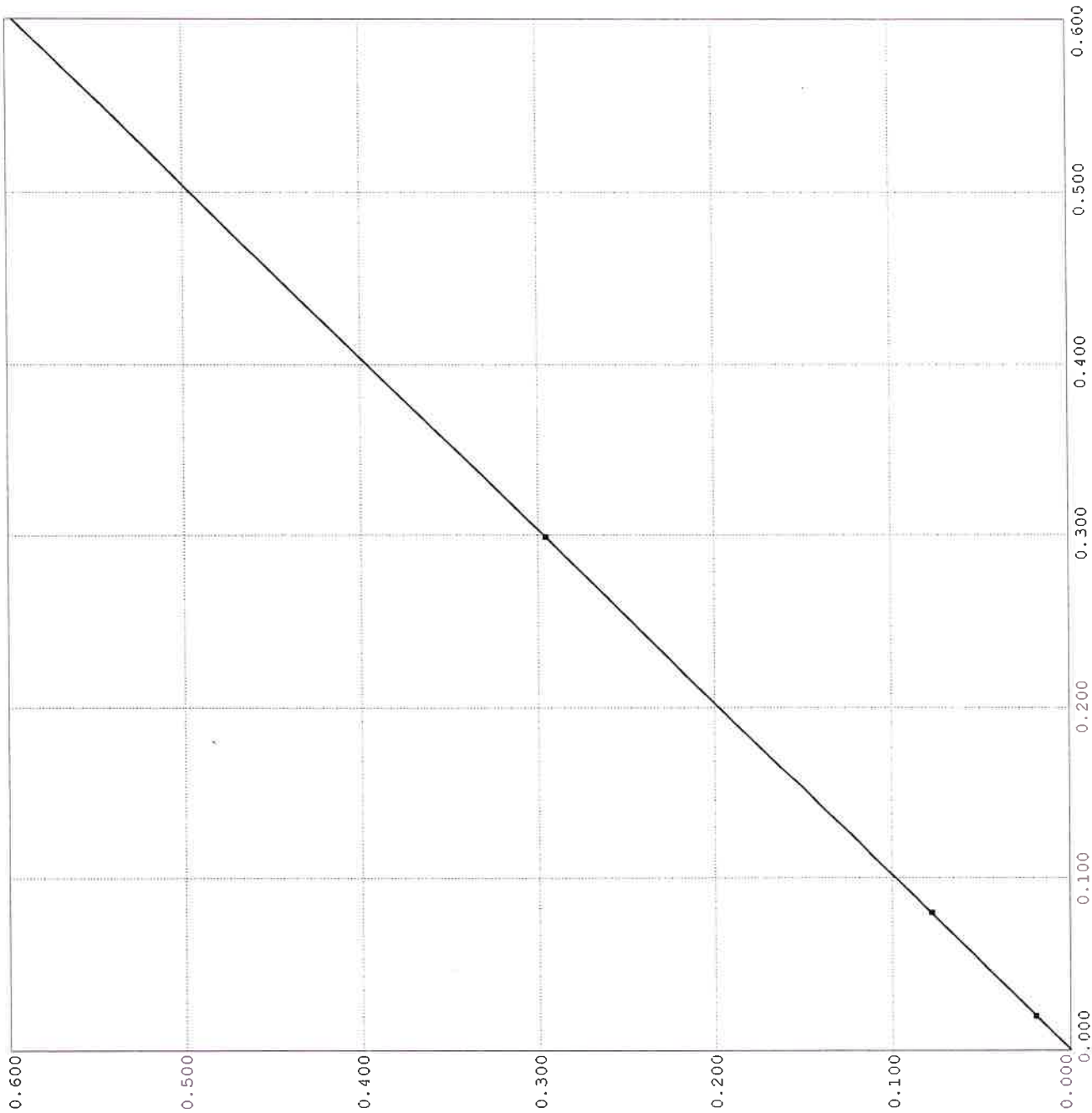
Alaska Department of Public Safety
 DATAMASTER dmt: 100414

Date: 07/03/2025
 Time: 09:34:20

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0007
0.080	0.0788	0.0008
0.298	0.2962	0.0004

SLOPE = 0.994524
 R^2 = 0.999991



[Handwritten signature]

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100414

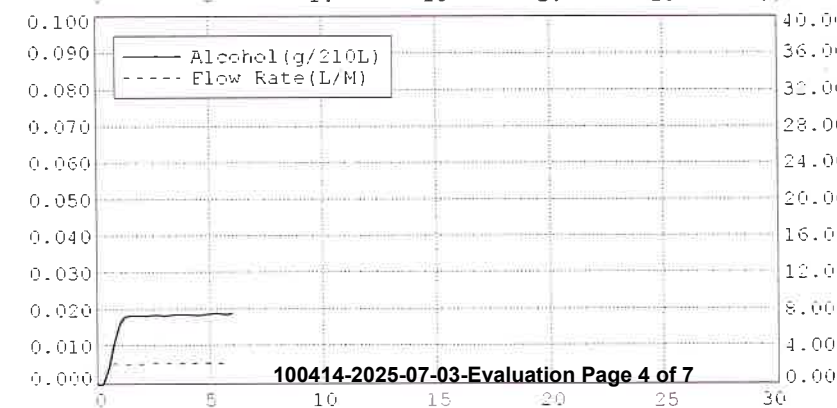
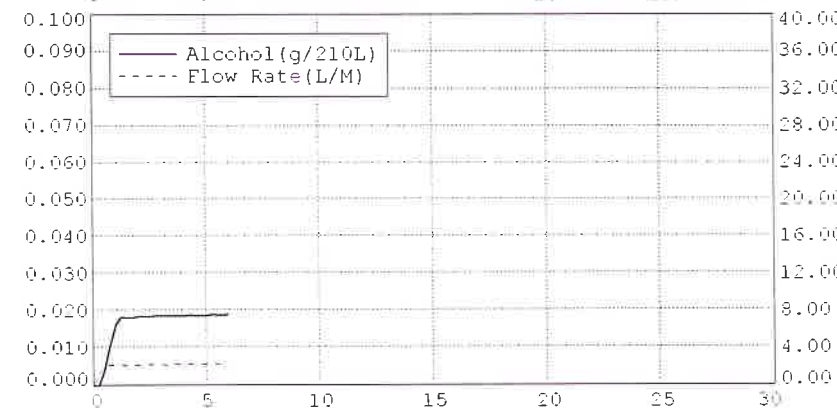
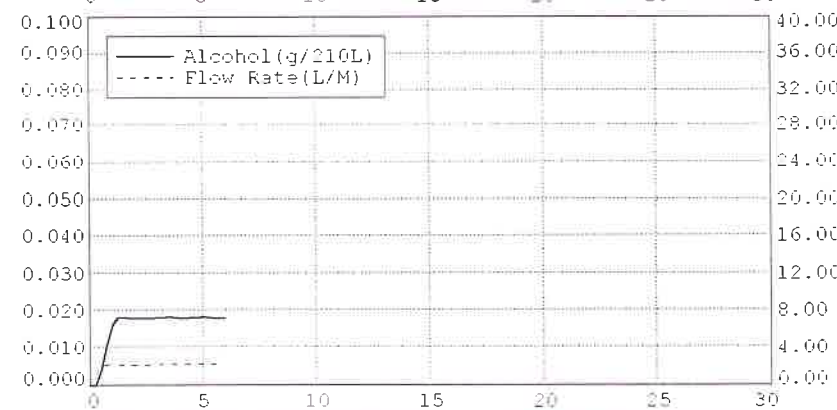
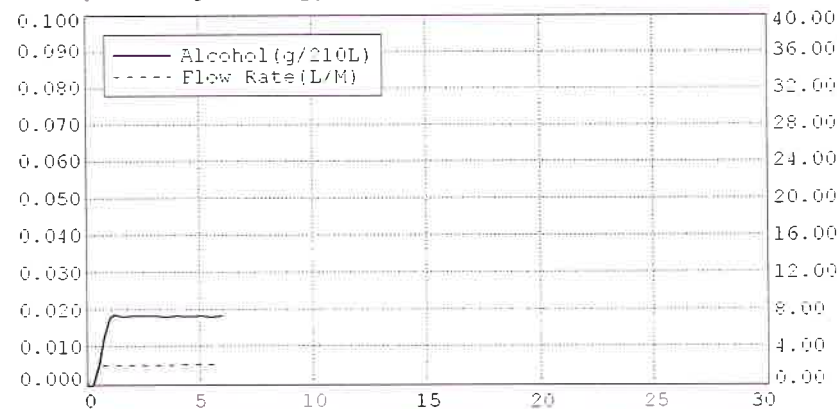
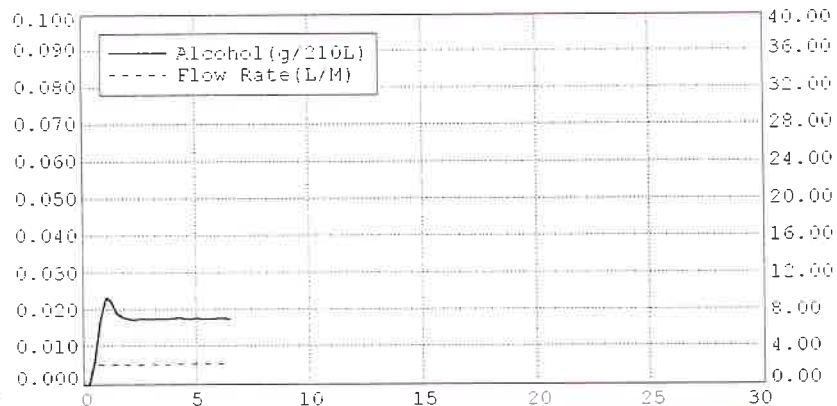
Date: 07/03/2025
Time: 09:35:21

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.74: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 594 psi

BLANK TEST	0.000	09:36
INTERNAL STANDARD	VERIFIED	09:36
EXTERNAL STANDARD	0.019	09:36
BLANK TEST	0.000	09:37
EXTERNAL STANDARD	0.020	09:37
BLANK TEST	0.000	09:38
EXTERNAL STANDARD	0.020	09:39
BLANK TEST	0.000	09:39
EXTERNAL STANDARD	0.020	09:40
BLANK TEST	0.000	09:41
EXTERNAL STANDARD	0.021	09:41
BLANK TEST	0.000	09:42

Average = 0.0200
Std Dev = 0.0007



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100414

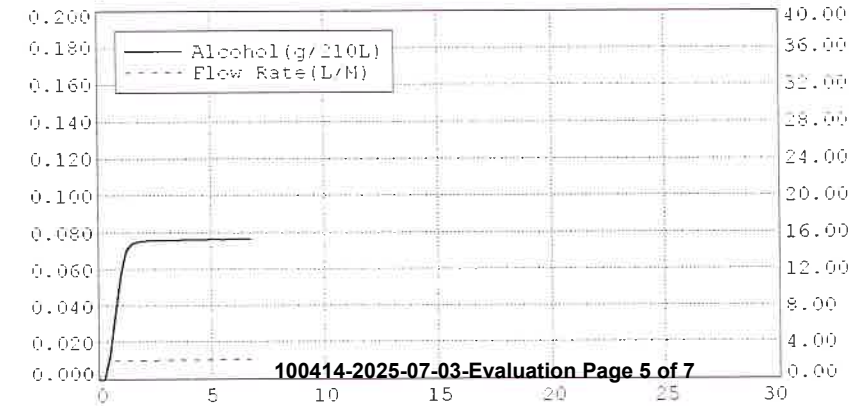
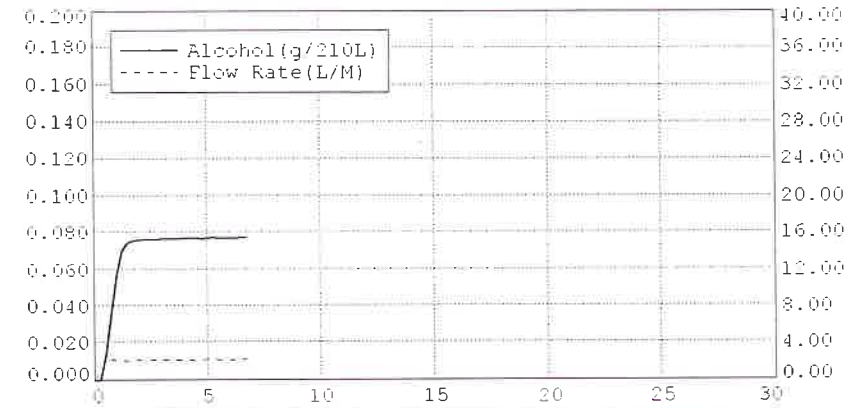
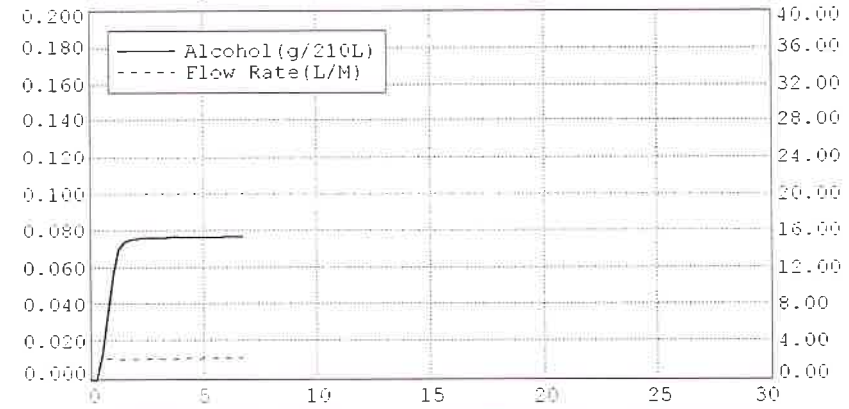
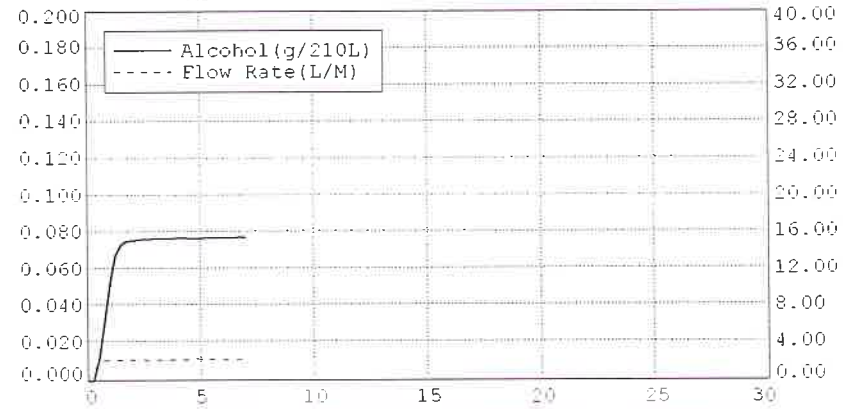
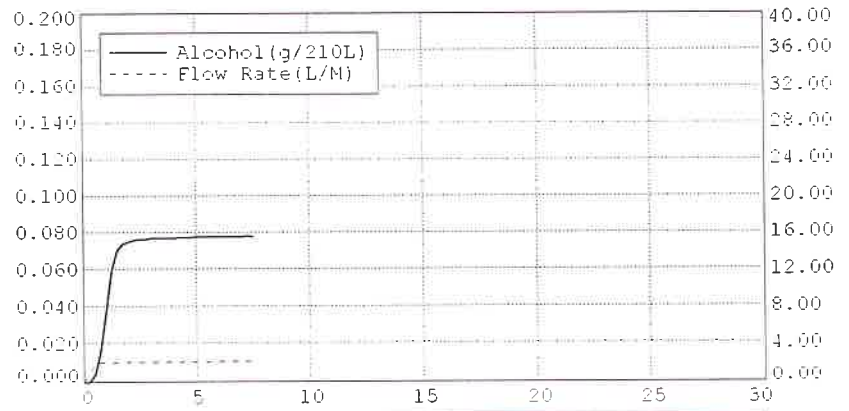
Date: 07/03/2025
Time: 09:44:18

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.75: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 543 psi

BLANK TEST	0.000	09:45
INTERNAL STANDARD	VERIFIED	09:45
EXTERNAL STANDARD	0.080	09:45
BLANK TEST	0.000	09:46
EXTERNAL STANDARD	0.078	09:46
BLANK TEST	0.000	09:47
EXTERNAL STANDARD	0.079	09:48
BLANK TEST	0.000	09:48
EXTERNAL STANDARD	0.079	09:49
BLANK TEST	0.000	09:50
EXTERNAL STANDARD	0.078	09:50
BLANK TEST	0.000	09:51

Average = 0.0788
Std Dev = 0.0008



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100414

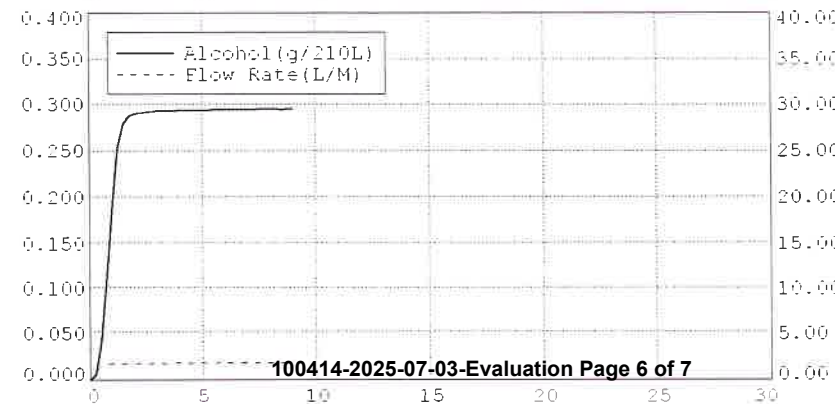
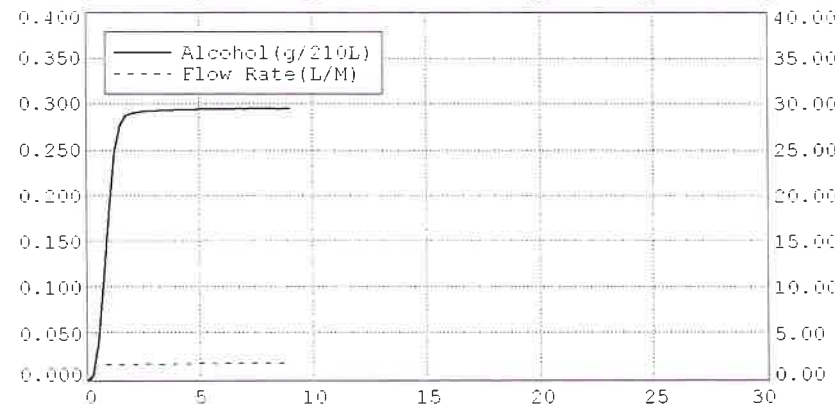
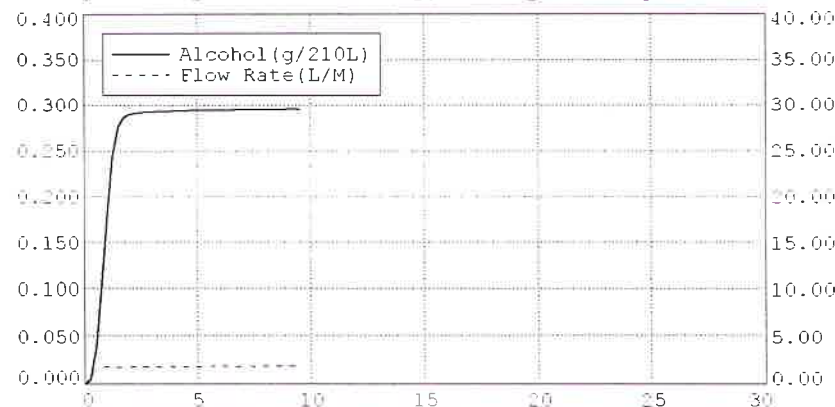
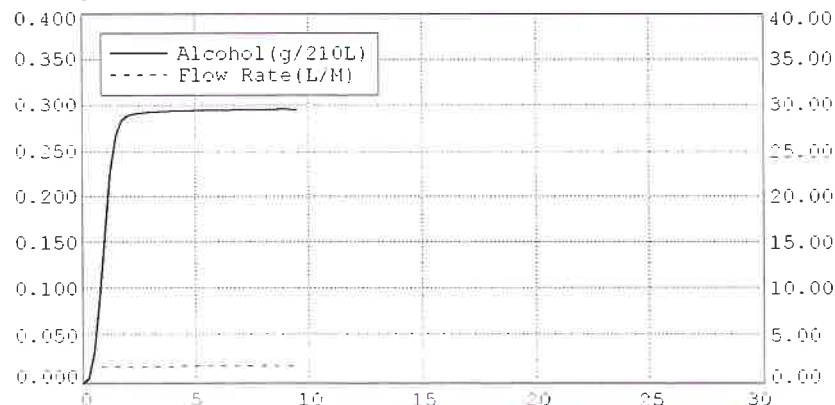
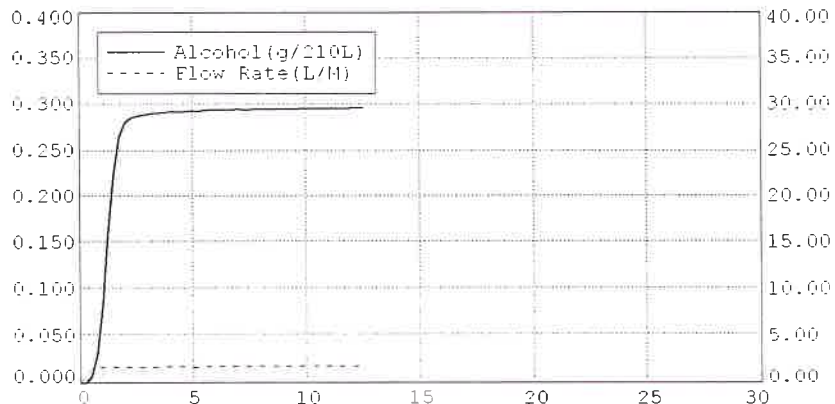
Date: 07/03/2025
Time: 09:52:39

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.75: 0.298
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 141 psi

BLANK TEST	0.000	09:53
INTERNAL STANDARD	VERIFIED	09:53
EXTERNAL STANDARD	0.297	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.296	09:55
BLANK TEST	0.000	09:56
EXTERNAL STANDARD	0.296	09:56
BLANK TEST	0.000	09:57
EXTERNAL STANDARD	0.296	09:57
BLANK TEST	0.000	09:58
EXTERNAL STANDARD	0.296	09:58
BLANK TEST	0.000	09:59

Average = 0.2962
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100414

Date: 07/03/2025
Time: 10:02:44

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	10:03
BLANK TEST	0.000	10:03
INTERNAL STANDARD	VERIFIED	10:04
EXTERNAL STANDARD	0.079	10:04
BLANK TEST	0.000	10:05
SUBJECT SAMPLE	INCOMPLETE	10:07

