

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100346

Analyst/Technician(s): Carrie Glaister

Start Date: 11/7/25

Date Instrument Received: 11/7/25

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): 29.23 Temperature (C): 21.9 Relative Humidity (%): 17

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: 11/7/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100346

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/07/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.21: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 1229 psi

BLANK TEST	0.000	12:02
INTERNAL STANDARD	VERIFIED	12:02
Xq = 0.104 (0.00%)		
EXTERNAL STANDARD	0.079	12:03
X[1] = 0.0788 (-0.0019) (-0.0024)		
BLANK TEST	0.000	12:03
EXTERNAL STANDARD	0.078	12:04
X[1] = 0.0785 (-0.0016) (-0.0012)		
BLANK TEST	0.000	12:05
EXTERNAL STANDARD	0.078	12:05
X[1] = 0.0777 (-0.0024) (-0.0022)		
BLANK TEST	0.000	12:06
EXTERNAL STANDARD	0.077	12:06
X[1] = 0.0772 (-0.0028) (-0.0024)		
BLANK TEST	0.000	12:07
EXTERNAL STANDARD	0.077	12:07
X[1] = 0.0774 (-0.0023) (-0.0021)		
BLANK TEST	0.000	12:08

Average = 0.0778

Std Dev = 0.0008

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 = 45.0°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.66 V PASSED
(0.97 V - 2.25 V)

Cooler Voltage = 1.53 V PASSED
(0.97 V - 2.25 V)

Bias Voltage = 80 V PASSED
(47 V - 111 V)

Chopper Freq = 509 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.2 in

PUMP INFO

Flow Rate = 4.164 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.003 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 = 0.104 0.34% (0.00% - 4.00%) PASSED

LINEARITY CHECK

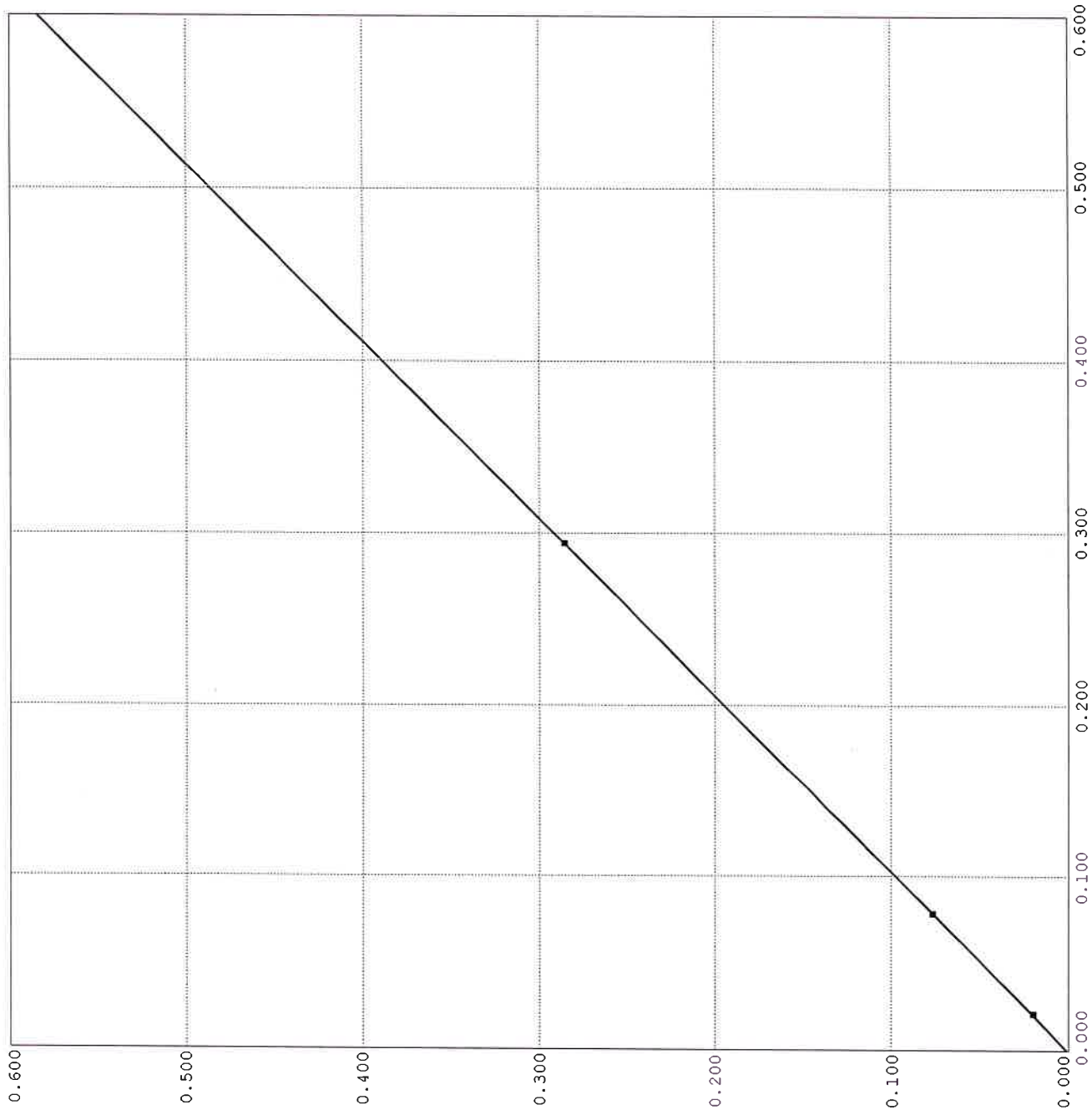
 Alaska Department of Public Safety
 DATAMASTER dmt: 100346

Date: 11/07/2025
 Time: 12:14:32

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0204	0.0005
0.078	0.0776	0.0005
0.293	0.2862	0.0004

SLOPE	= 0.972703
R ²	= 0.999992



CVL

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100346

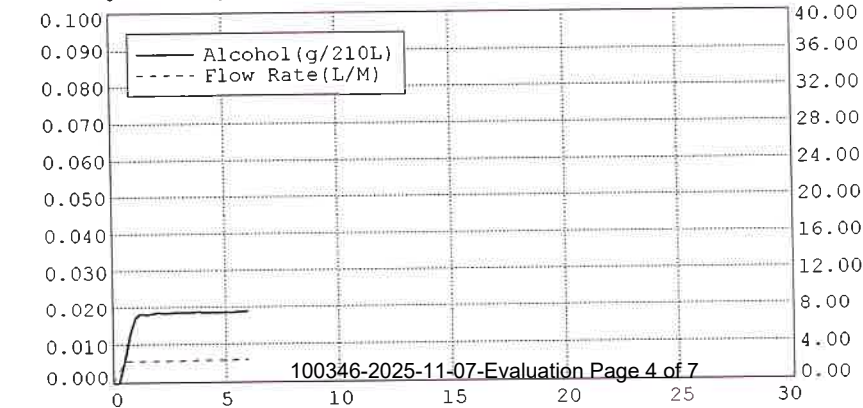
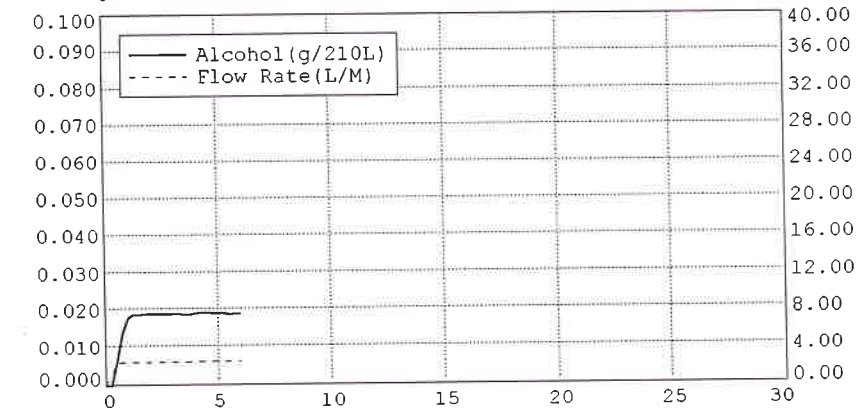
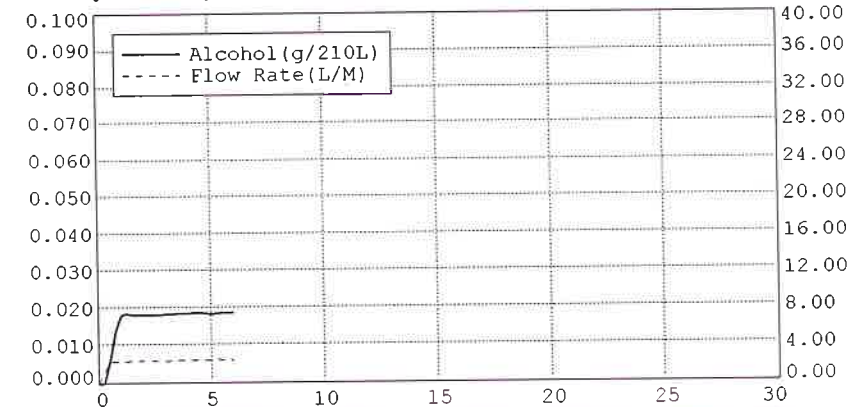
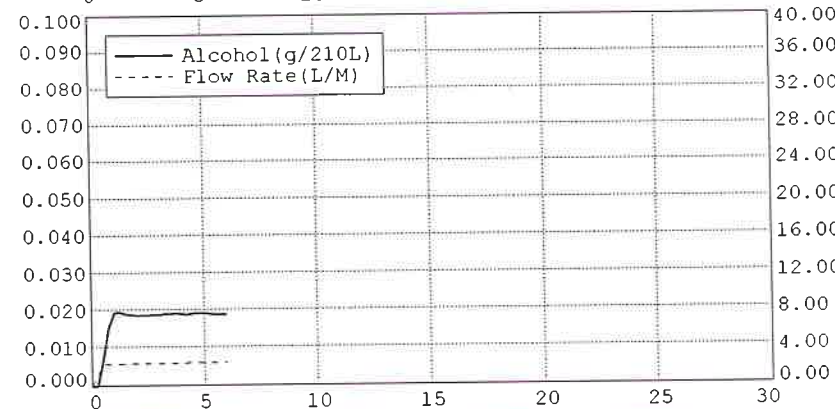
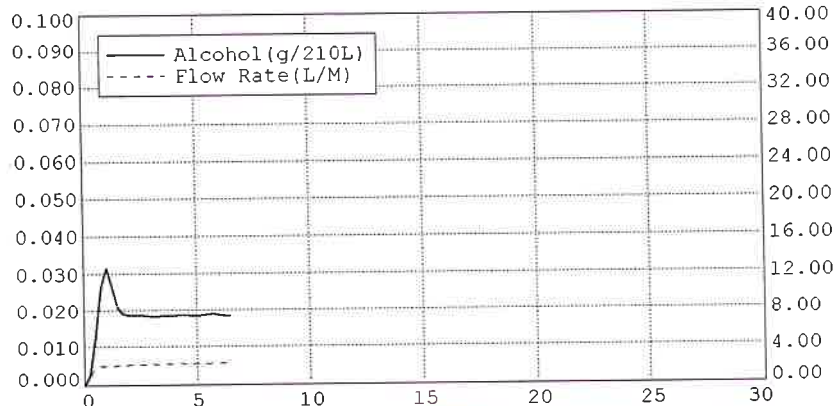
Date: 11/07/2025
Time: 12:14:34

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.22: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 927 psi

TEST TYPE	CONC	TIME
BLANK TEST	0.000	12:15
INTERNAL STANDARD	VERIFIED	12:15
EXTERNAL STANDARD	0.020	12:16
BLANK TEST	0.000	12:17
EXTERNAL STANDARD	0.021	12:17
BLANK TEST	0.000	12:18
EXTERNAL STANDARD	0.020	12:18
BLANK TEST	0.000	12:19
EXTERNAL STANDARD	0.021	12:19
BLANK TEST	0.000	12:20
EXTERNAL STANDARD	0.020	12:20
BLANK TEST	0.000	12:21

Average = 0.0204
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100346

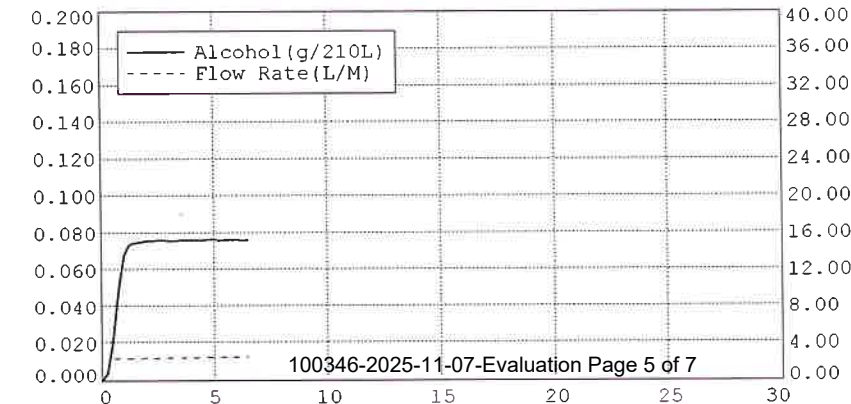
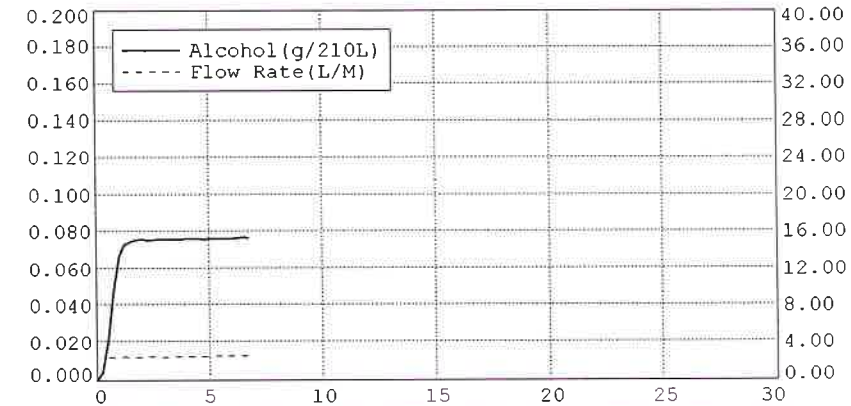
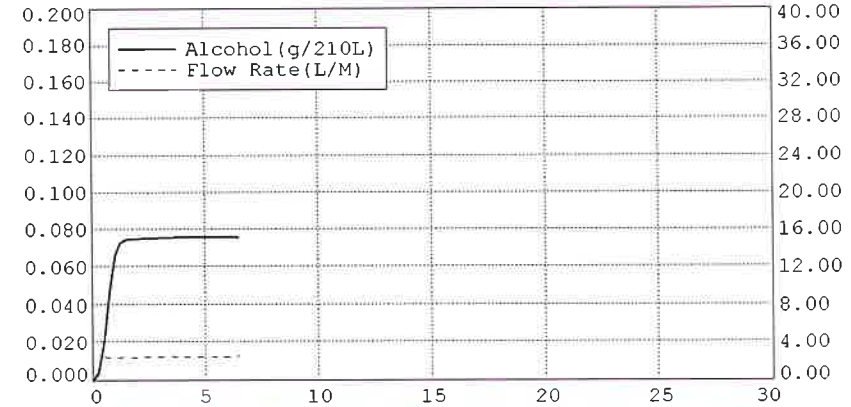
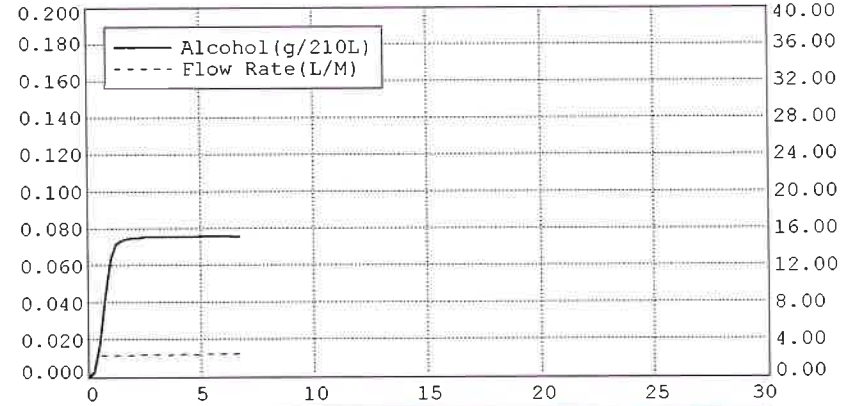
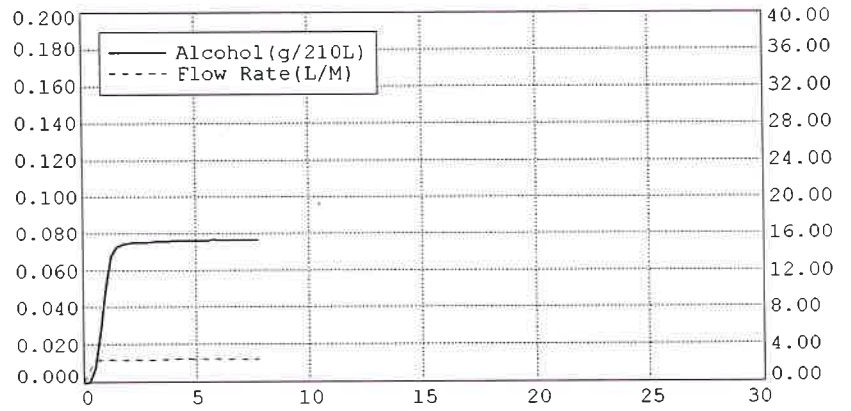
Date: 11/07/2025
Time: 12:22:19

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.21: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1212 psi

TEST TYPE	Value	Time
BLANK TEST	0.000	12:23
INTERNAL STANDARD	VERIFIED	12:23
EXTERNAL STANDARD	0.078	12:23
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.077	12:25
BLANK TEST	0.000	12:25
EXTERNAL STANDARD	0.078	12:26
BLANK TEST	0.000	12:27
EXTERNAL STANDARD	0.077	12:27
BLANK TEST	0.000	12:28
EXTERNAL STANDARD	0.078	12:28
BLANK TEST	0.000	12:29

Average = 0.0776
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100346

Date: 11/07/2025

Time: 12:31:47

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300

TARGET AT 29.21: 0.293

LOT #: AG427706

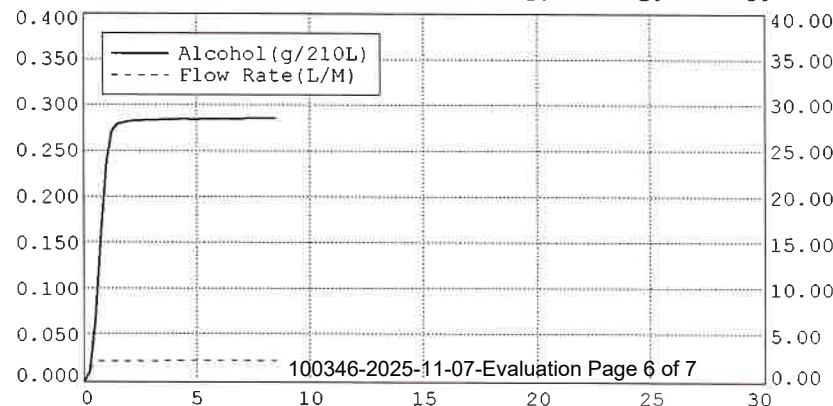
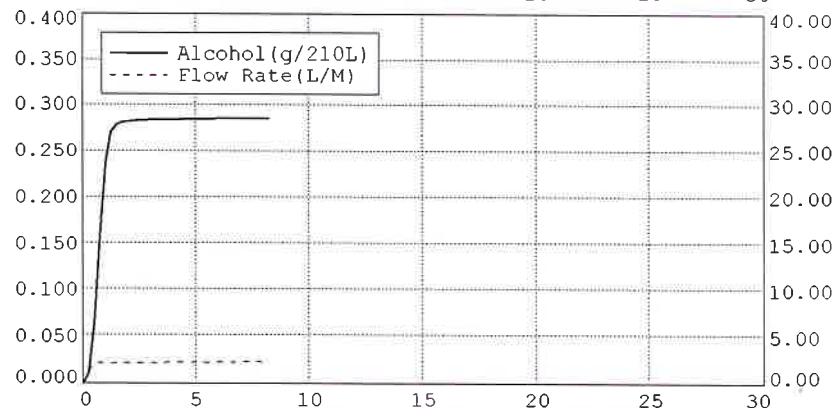
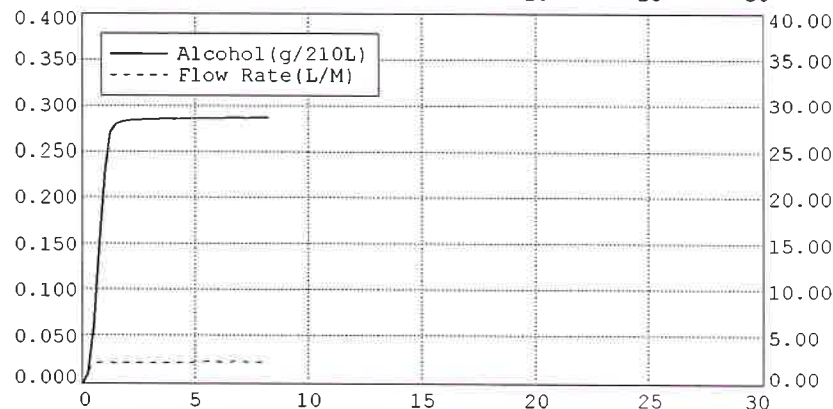
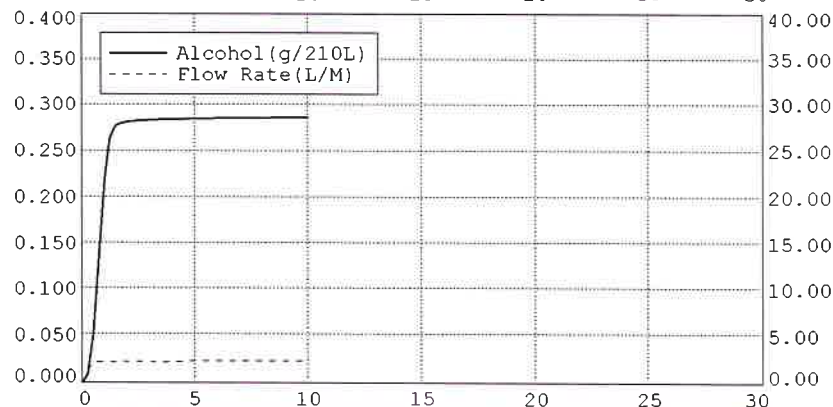
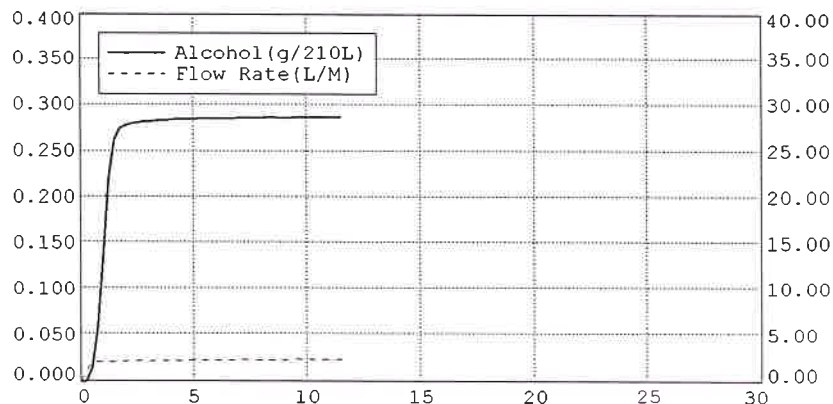
EXPIRATION: 10/03/2026

TANK PRESSURE: 391 psi

BLANK TEST	0.000	12:33
INTERNAL STANDARD	VERIFIED	12:33
EXTERNAL STANDARD	0.287	12:33
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.286	12:34
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.286	12:35
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.286	12:36
BLANK TEST	0.000	12:37
EXTERNAL STANDARD	0.286	12:38
BLANK TEST	0.000	12:38

Average = 0.2862

Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100346

Date: 11/07/2025
Time: 12:45:55

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 29.22: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	12:47
BLANK TEST	0.000	12:47
INTERNAL STANDARD	VERIFIED	12:47
EXTERNAL STANDARD	0.078	12:47
BLANK TEST	0.000	12:48
SUBJECT SAMPLE (Vol=1.78L)	0.000	12:49
BLANK TEST	0.000	12:50
EXTERNAL STANDARD	0.078	12:50
BLANK TEST	0.000	12:51

CW6

