

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100695

Analyst/Technician(s): Carlie Glaister

Start Date: 12/23/25

Date Instrument Received: 12/23/25

Reason for instrument evaluation

Internal standard errors on subject tests. Instrument also recently had a couple blank errors on VOCs.

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): 30.00 Temperature (C): 21.7 Relative Humidity (%) -- $\rightarrow$ 0%

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

Notes: Tank interference detected on first VOC. 2nd VOC passed.

Barometer is not displaying humidity at this time, unable to record this condition. During linearity the humidity readout on the barometer changed to 0%. this value used. Some recent tests from the field were reviewed. is generally around 2.5% for completed tests & ~ 4-5% for failed tests due to IS error. is observed to be $\leq 1\%$ during eval. Adjustment is being recommend anyways due to recent status messages from the field.

☒ Attach Non-Drinking Subject Test

Conclusion:

- ☒ Ready for Adjustment
☐ Ready for Calibration

☐ Needs Repair

Lab Work End Date: 12/23/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100695

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/23/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 30.00: 0.080

LOT #: AG436502

EXPIRATION: 12/30/2026

TANK PRESSURE: 1214 psi

BLANK TEST 0.000 10:29

INTERNAL STANDARD VERIFIED 10:29

EXTERNAL STANDARD INTERFERENCE 10:29

Interference Detected

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED

Breath Tube = 45.4°C PASSED

PUMP INFO

Flow Rate = 4.276 L/M PASSED

DETECTOR INFO

PUMP ON PASSED

PUMP OFF PASSED

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD PASSED

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100695

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/23/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 30.01: 0.080

LOT #: AG436502

EXPIRATION: 12/30/2026

TANK PRESSURE: 1212 psi

BLANK TEST	0.000	10:34
INTERNAL STANDARD	VERIFIED	10:34
Xq = 0.114 (0.54%)		
EXTERNAL STANDARD	0.081	10:35
X[1] = 0.0805 (-0.0047) (-0.0015)		
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.081	10:36
X[1] = 0.0807 (-0.0035) (-0.0013)		
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.081	10:37
X[1] = 0.0809 (-0.0036) (-0.0012)		
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.081	10:38
X[1] = 0.0809 (-0.0042) (-0.0007)		
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.080	10:39
X[1] = 0.0803 (-0.0043) (-0.0008)		
BLANK TEST	0.000	10:40

Average = 0.0808

Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 44.6°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.79 V PASSED
(1.07 V - 2.51 V)

Cooler Voltage = 1.84 V PASSED
(1.07 V - 2.51 V)

Bias Voltage = 78 V PASSED
(48 V - 112 V)

Chopper Freq = 547 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 30.0 in

PUMP INFO

Flow Rate = 4.336 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
(0.003 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.114 0.39% (0.00% - 4.00%) PASSED

LINEARITY CHECK

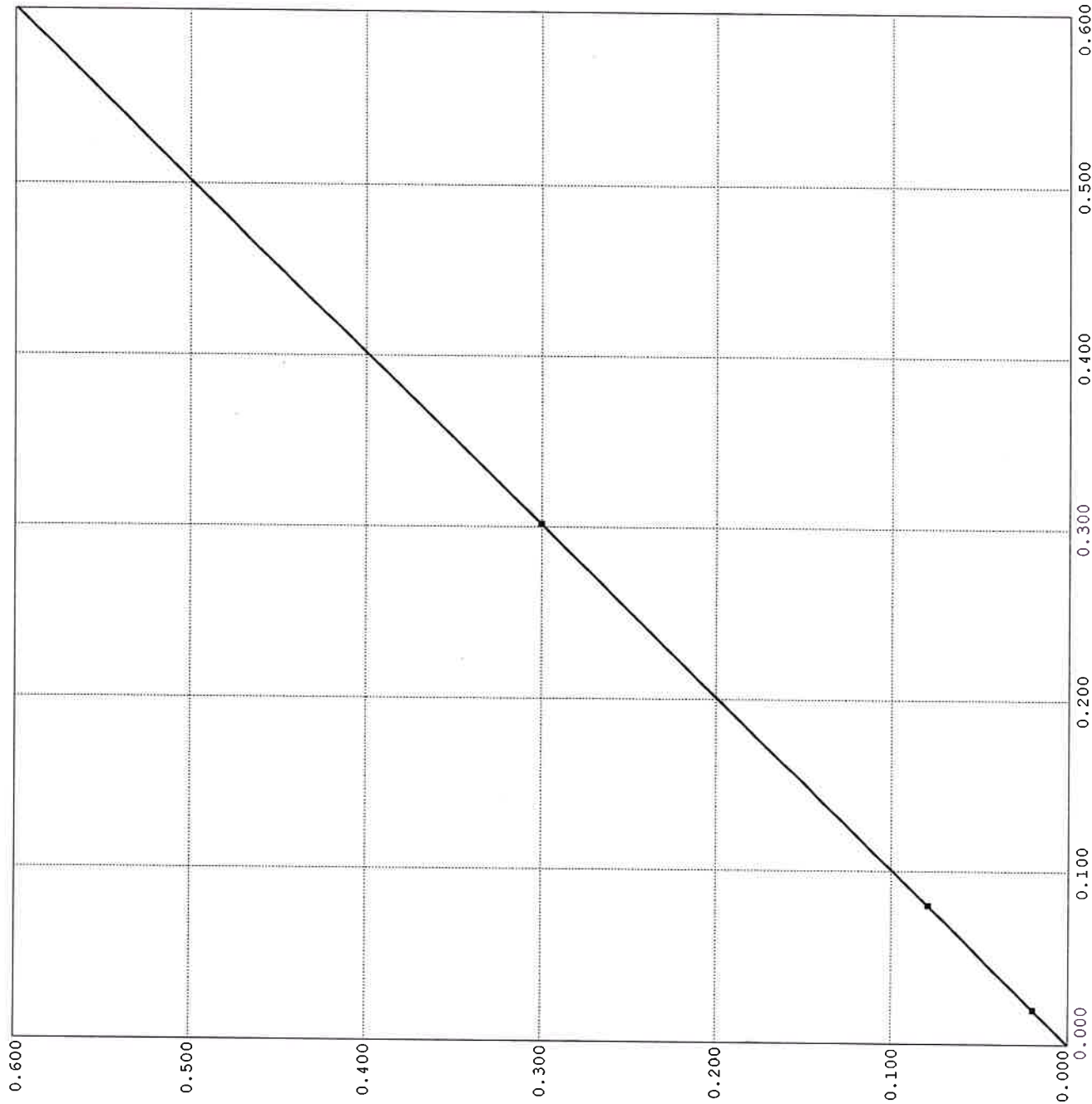
Alaska Department of Public Safety
 DATAMASTER dmt: 100695

Date: 12/23/2025
 Time: 10:51:32

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0206	0.0005
0.080	0.0804	0.0005
0.301	0.3008	0.0004

SLOPE = 0.997189
 R² = 1.000000



CMS

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100695

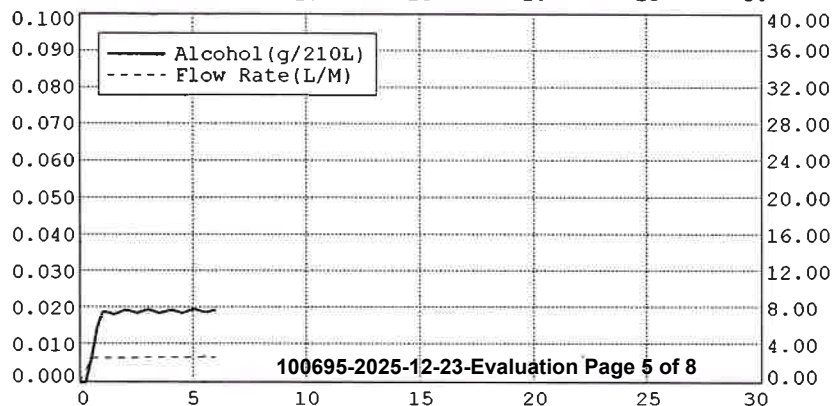
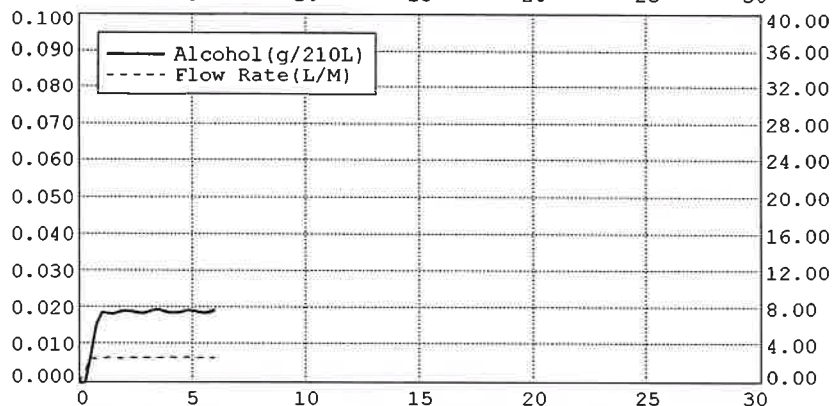
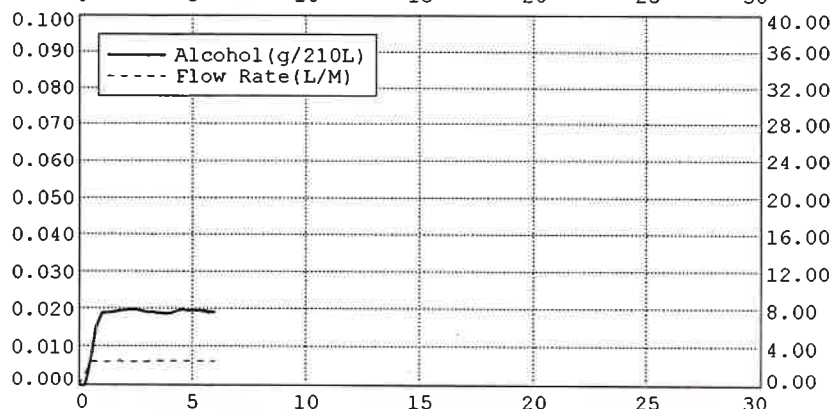
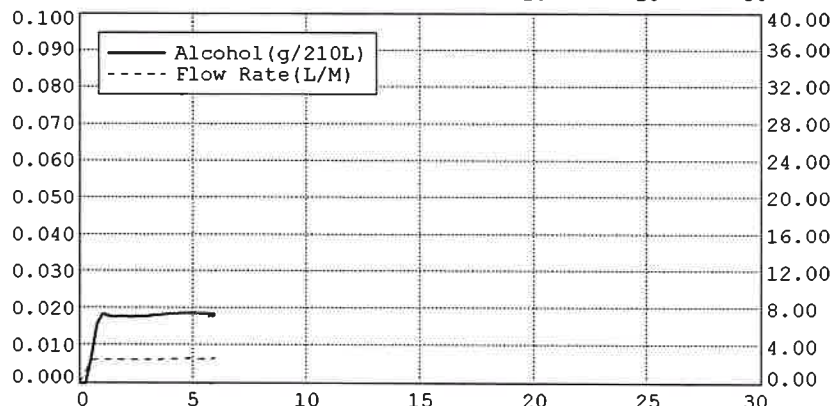
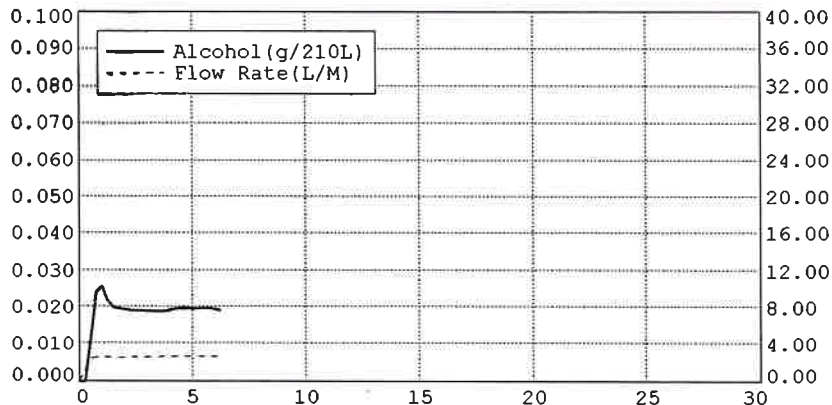
Date: 12/23/2025
Time: 10:51:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 30.01: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 682 psi

TEST TYPE	CONCENTRATION	TIME
BLANK TEST	0.000	10:52
INTERNAL STANDARD	VERIFIED	10:53
EXTERNAL STANDARD	0.021	10:53
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.020	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.021	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.020	10:56
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.021	10:57
BLANK TEST	0.000	10:58

Average = 0.0206
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100695

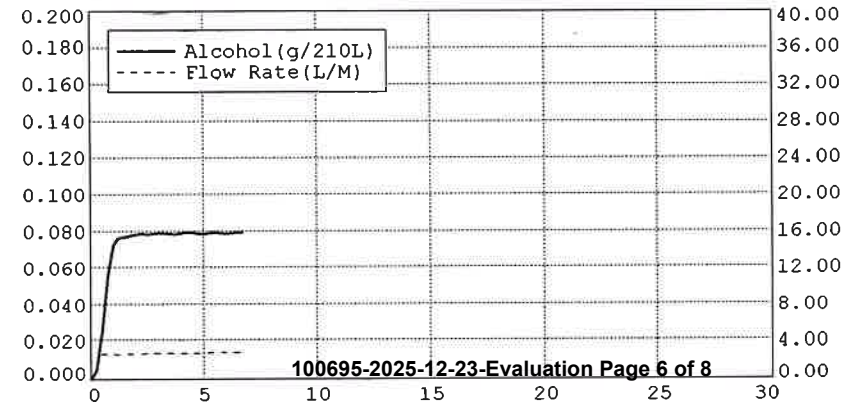
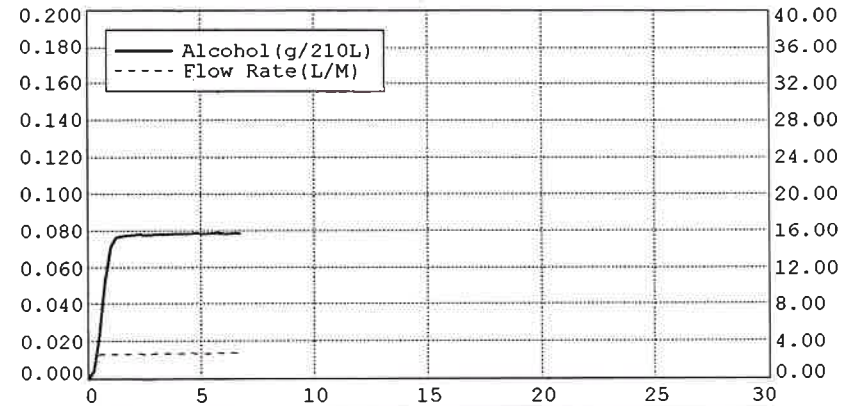
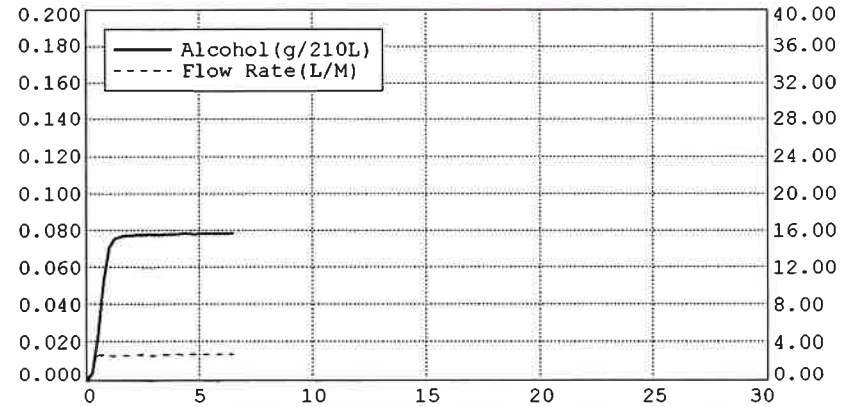
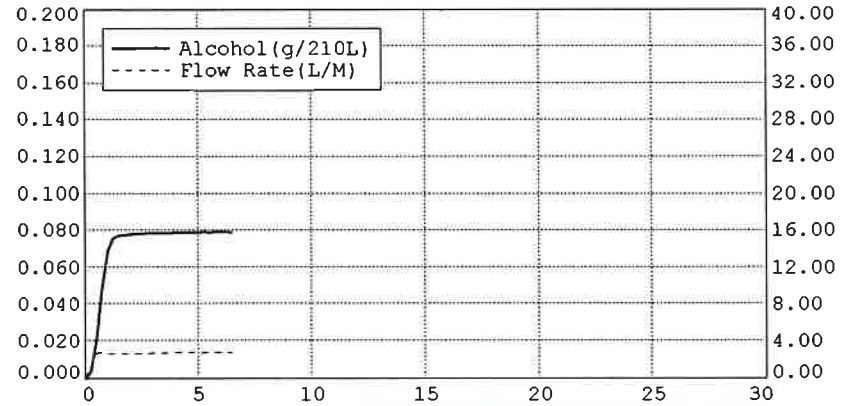
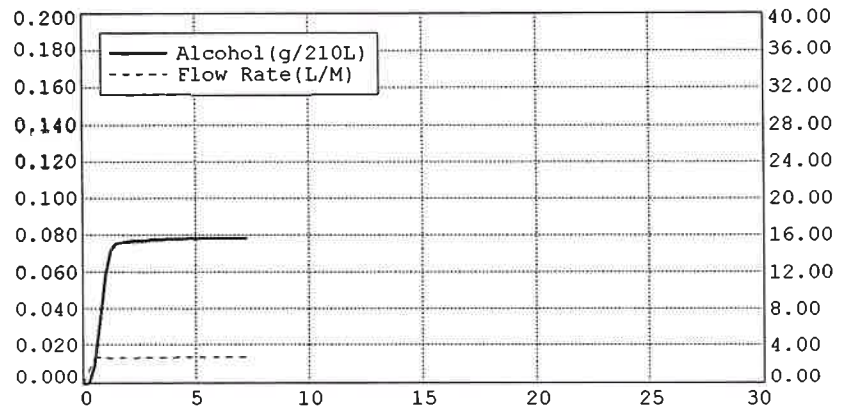
Date: 12/23/2025
Time: 10:59:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.02: 0.080
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1191 psi

BLANK TEST	0.000	11:01
INTERNAL STANDARD	VERIFIED	11:01
EXTERNAL STANDARD	0.080	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.081	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.080	11:04
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.080	11:05
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.081	11:06
BLANK TEST	0.000	11:07

Average = 0.0804
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100695

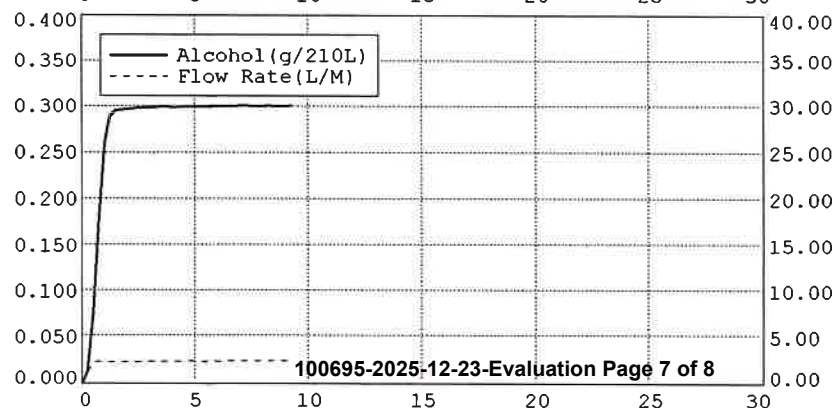
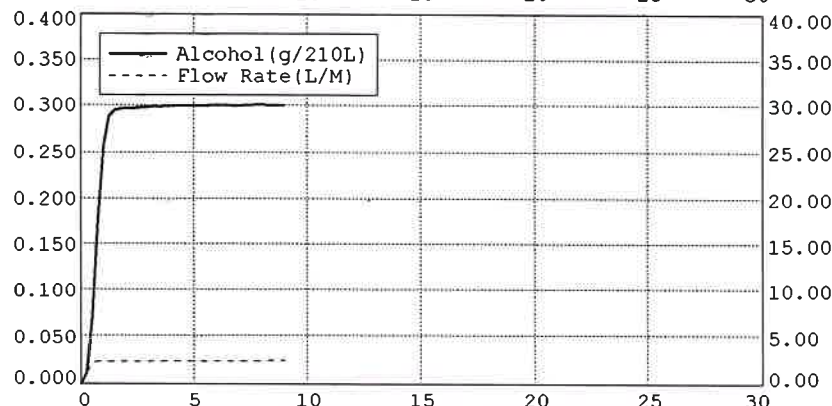
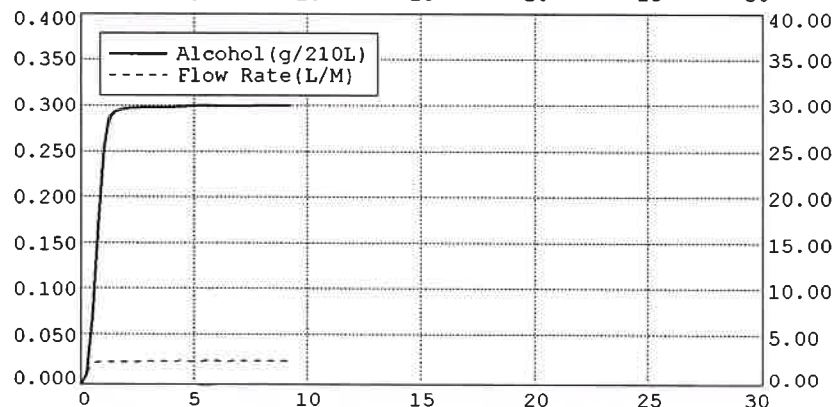
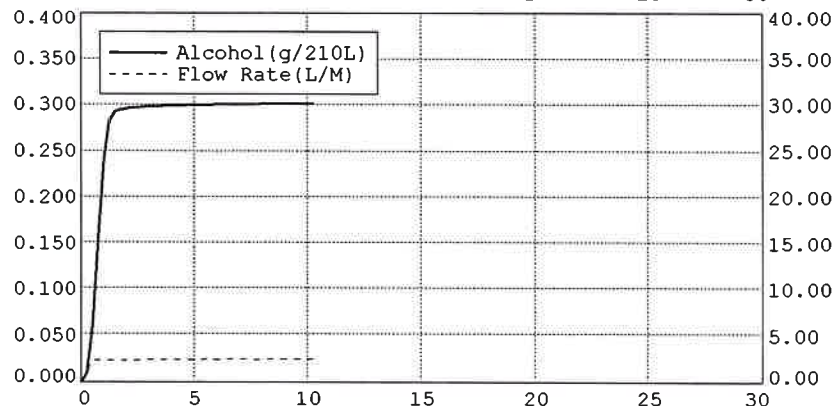
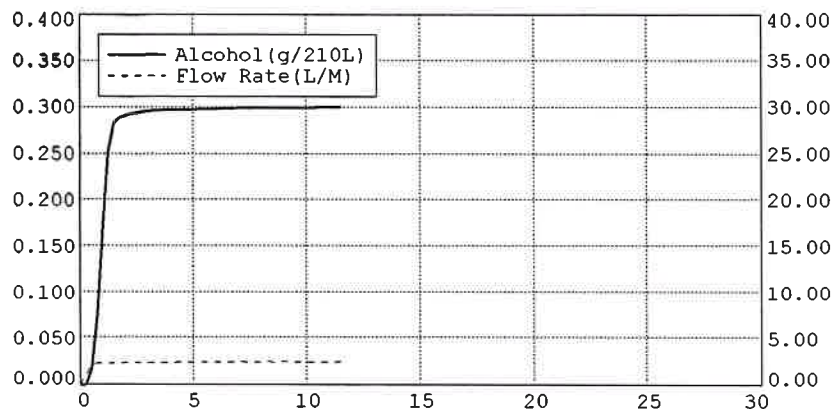
Date: 12/23/2025
Time: 11:08:10

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 30.02: 0.301
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 251 psi

BLANK TEST	0.000	11:09
INTERNAL STANDARD	VERIFIED	11:09
EXTERNAL STANDARD	0.300	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.301	11:11
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.301	11:12
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.301	11:13
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.301	11:14
BLANK TEST	0.000	11:15

Average = 0.3008
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100695

Date: 12/23/2025
Time: 11:20:08

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 30.02: 0.080
LOT #: AG436502
EXPIRATION: 12/30/2026

DIAGNOSTIC CHECK	PASSED	11:21
BLANK TEST	0.000	11:21
INTERNAL STANDARD	VERIFIED	11:21
EXTERNAL STANDARD	0.081	11:21
BLANK TEST	0.000	11:22
SUBJECT SAMPLE (Vol=1.84L)	0.000	11:23
BLANK TEST	0.000	11:24
EXTERNAL STANDARD	0.081	11:24
BLANK TEST	0.000	11:25

