

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100349

Analyst/Technician(s): C. O. Bryant

Start Date: 10/15/25

Date Instrument Received: 10/13/25

Reason for instrument evaluation

Removed from agency for lack of breath test operators.

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): 29.45 Temperature (C): 21.4 Relative Humidity (%) 26

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: 10/15/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100349

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/15/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.26: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 857 psi

BLANK TEST	0.000	08:04
INTERNAL STANDARD	VERIFIED	08:04
Xq = 0.079 (1.12%)		
EXTERNAL STANDARD	0.078	08:05
X[1] = 0.0778 (-0.0002) (0.0014)		
BLANK TEST	0.000	08:05
EXTERNAL STANDARD	0.078	08:06
X[1] = 0.0778 (0.0005) (0.0021)		
BLANK TEST	0.000	08:07
EXTERNAL STANDARD	0.078	08:07
X[1] = 0.0777 (-0.0016) (-0.0002)		
BLANK TEST	0.000	08:08
EXTERNAL STANDARD	0.077	08:08
X[1] = 0.0775 (-0.0005) (0.0010)		
BLANK TEST	0.000	08:09
EXTERNAL STANDARD	0.078	08:09
X[1] = 0.0777 (0.0001) (0.0010)		
BLANK TEST	0.000	08:10

Average = 0.0778
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.75 V	PASSED
(1.05 V - 2.45 V)	
Cooler Voltage = 1.73 V	PASSED
(1.04 V - 2.42 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.337 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
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.079 1.12% (0.00% - 4.00%)

LINEARITY CHECK

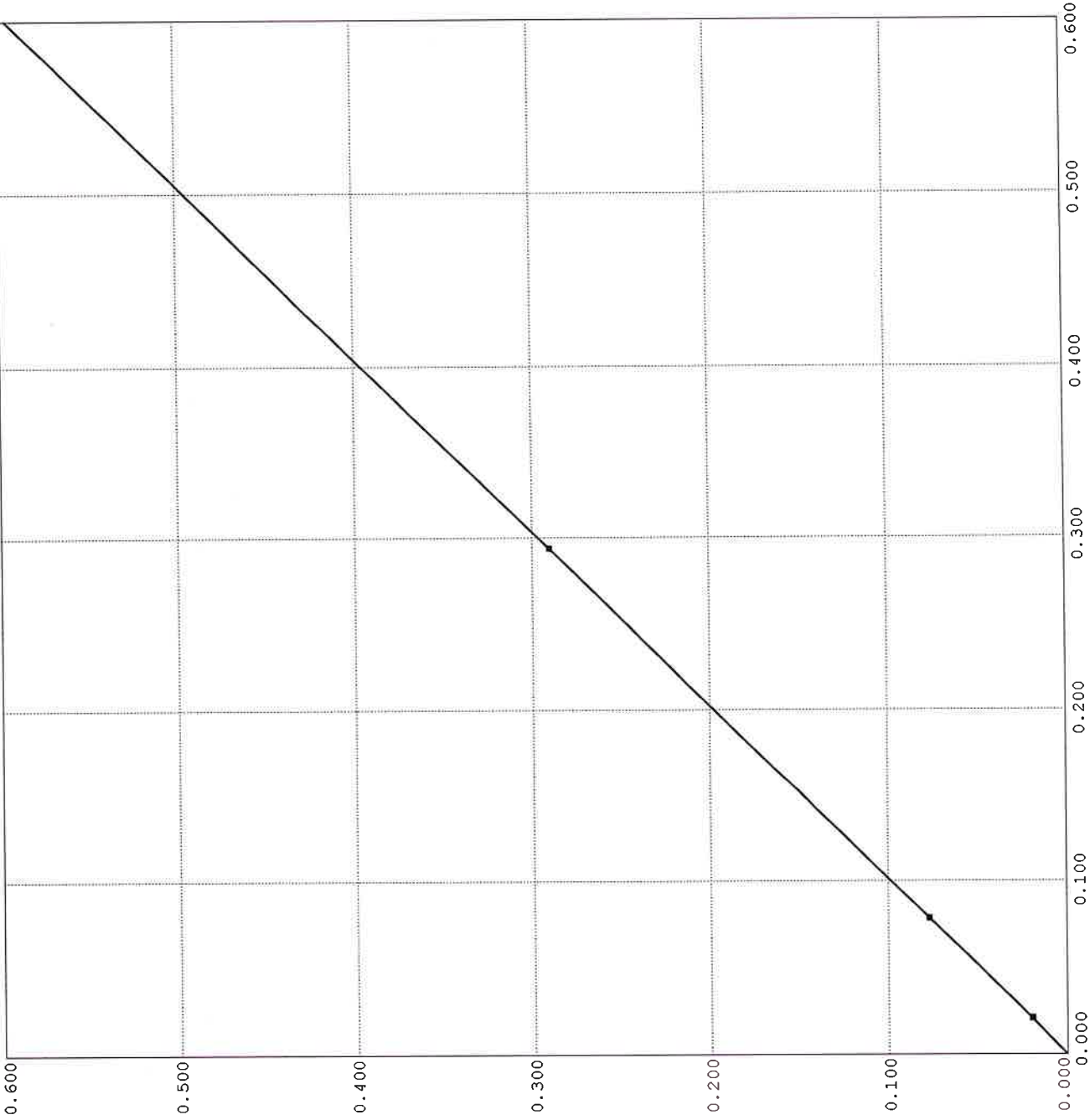
Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 10/15/2025
Time: 08:15:36

SUPERVISOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.020	0.0202	0.0004
0.078	0.0780	0.0000
0.293	0.2910	0.0000

SLOPE = 0.991603
R² = 0.999999



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100349

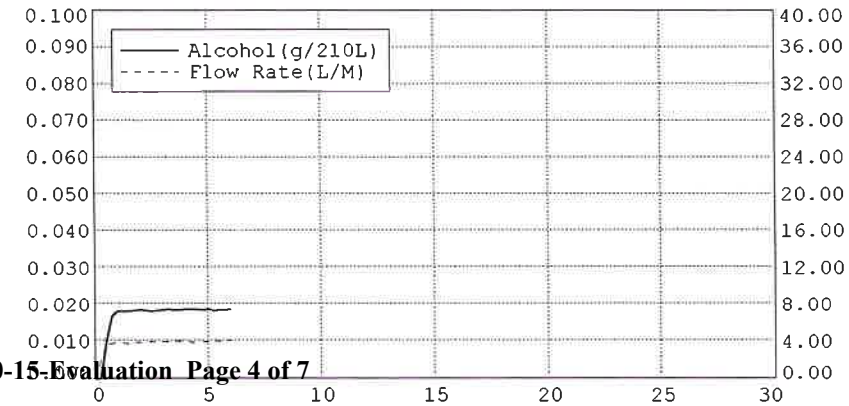
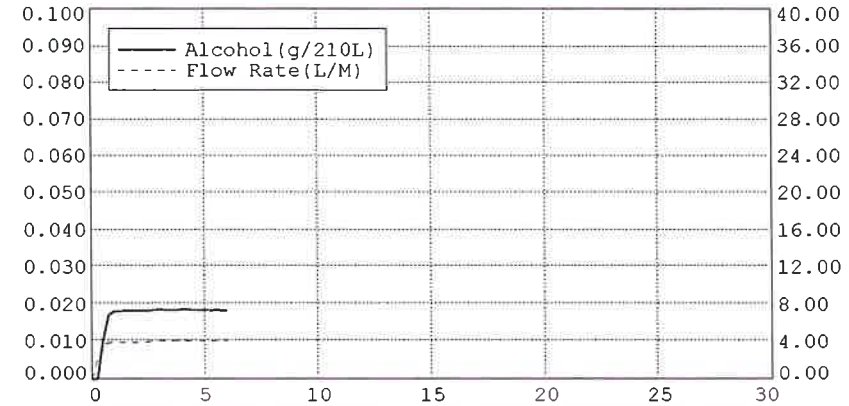
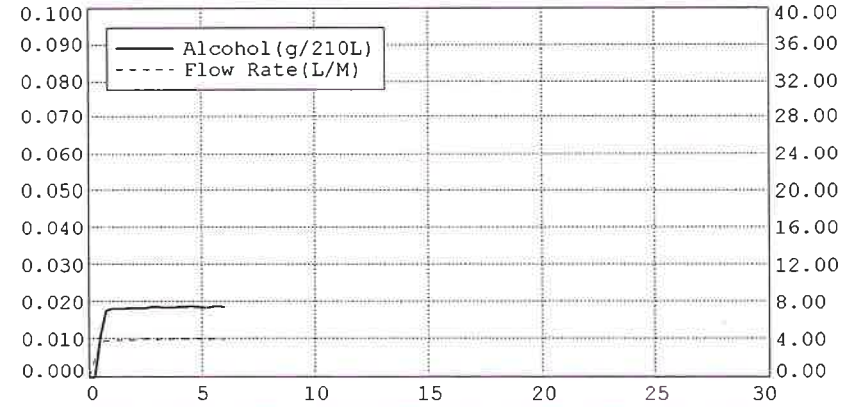
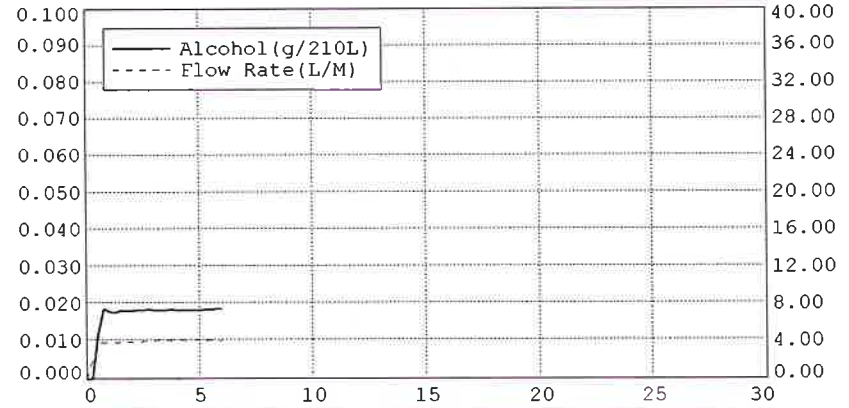
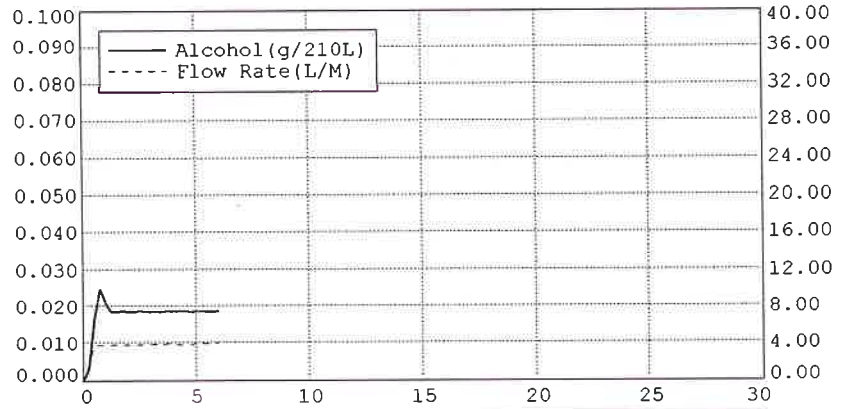
Date: 10/15/2025
Time: 08:15:39

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.25: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 378 psi

BLANK TEST	0.000	08:16
INTERNAL STANDARD	VERIFIED	08:16
EXTERNAL STANDARD	0.021	08:17
BLANK TEST	0.000	08:18
EXTERNAL STANDARD	0.020	08:18
BLANK TEST	0.000	08:19
EXTERNAL STANDARD	0.020	08:19
BLANK TEST	0.000	08:20
EXTERNAL STANDARD	0.020	08:20
BLANK TEST	0.000	08:21
EXTERNAL STANDARD	0.020	08:21
BLANK TEST	0.000	08:22

Average = 0.0202
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100349

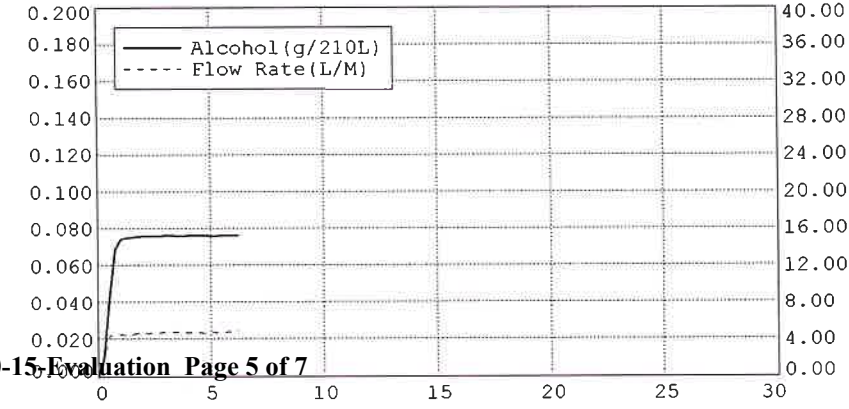
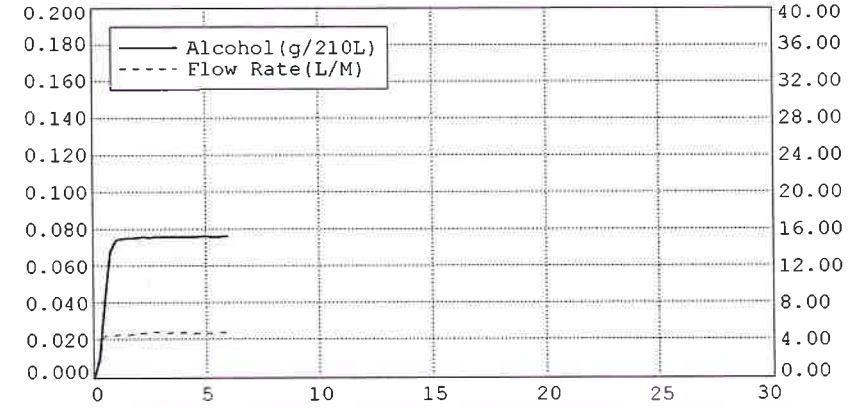
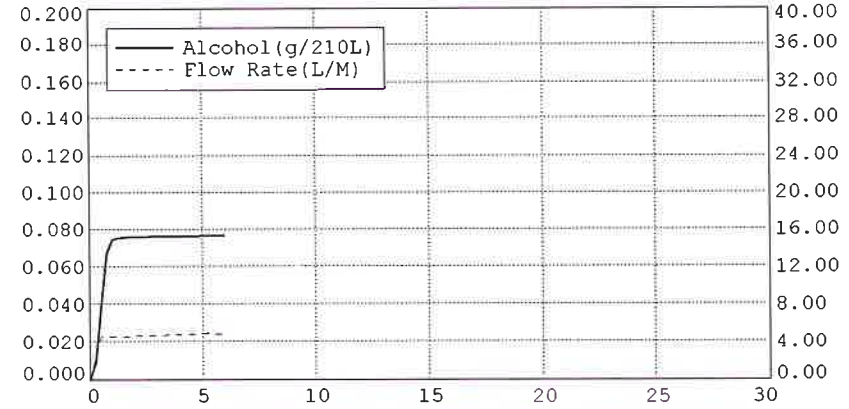
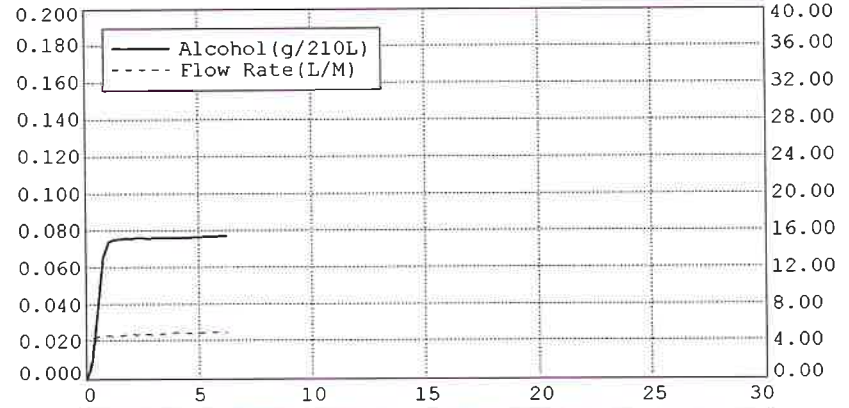
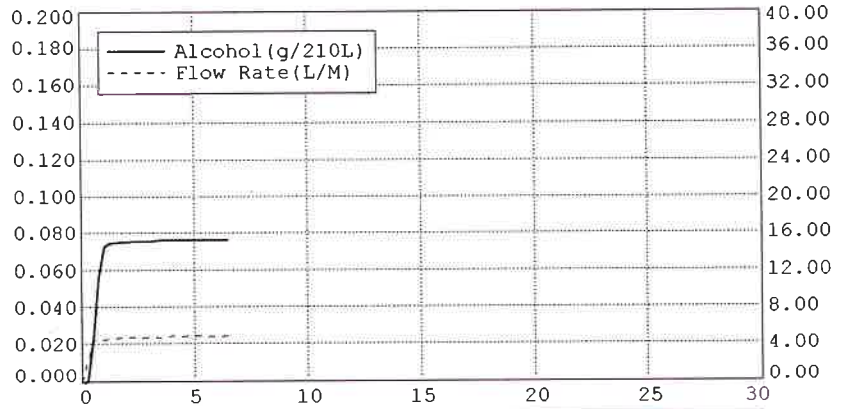
Date: 10/15/2025
Time: 08:22:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.24: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 828 psi

BLANK TEST	0.000	08:24
INTERNAL STANDARD	VERIFIED	08:24
EXTERNAL STANDARD	0.078	08:24
BLANK TEST	0.000	08:25
EXTERNAL STANDARD	0.078	08:25
BLANK TEST	0.000	08:26
EXTERNAL STANDARD	0.078	08:26
BLANK TEST	0.000	08:27
EXTERNAL STANDARD	0.078	08:27
BLANK TEST	0.000	08:28
EXTERNAL STANDARD	0.078	08:28
BLANK TEST	0.000	08:29

Average = 0.0780
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100349

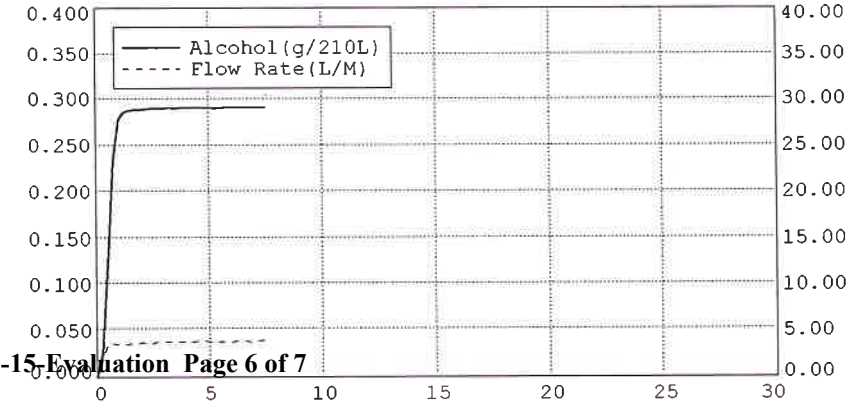
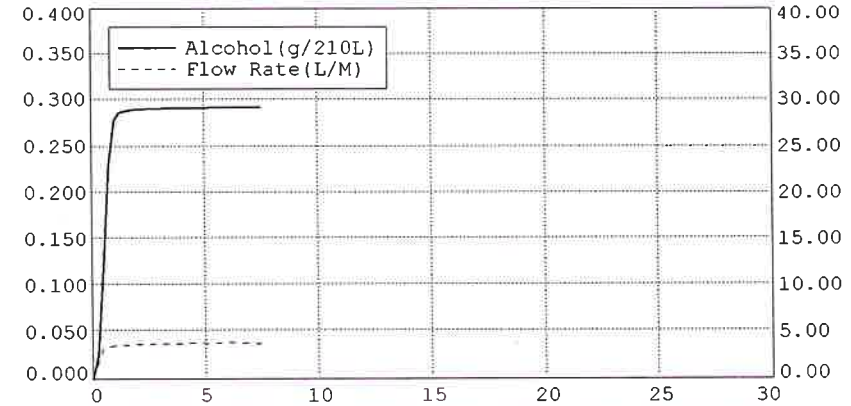
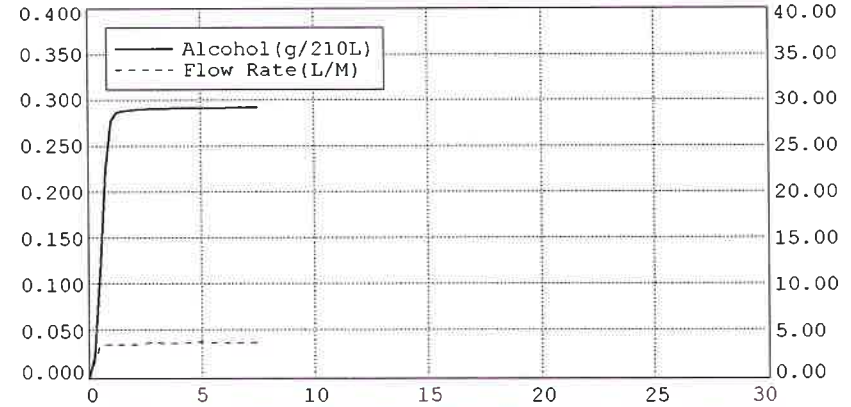
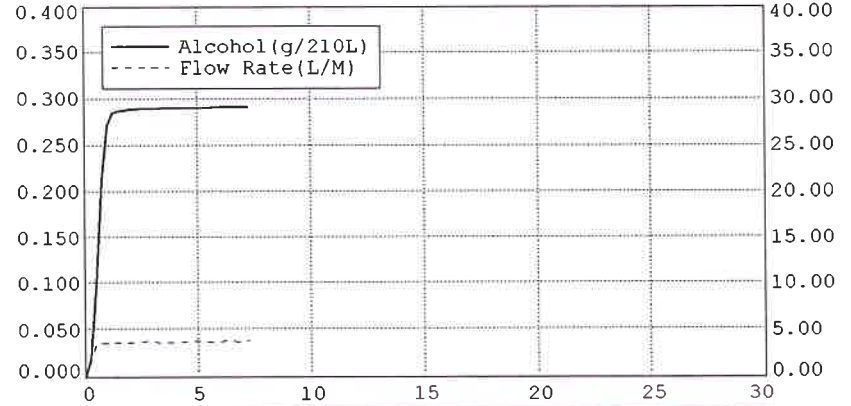
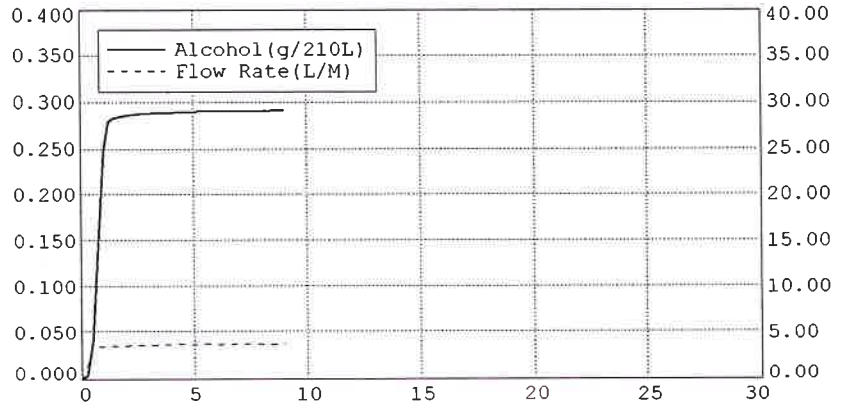
Date: 10/15/2025
Time: 08:30:10

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.22: 0.293
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 233 psi

BLANK TEST	0.000	08:31
INTERNAL STANDARD	VERIFIED	08:31
EXTERNAL STANDARD	0.291	08:31
BLANK TEST	0.000	08:32
EXTERNAL STANDARD	0.291	08:32
BLANK TEST	0.000	08:33
EXTERNAL STANDARD	0.291	08:34
BLANK TEST	0.000	08:35
EXTERNAL STANDARD	0.291	08:35
BLANK TEST	0.000	08:36
EXTERNAL STANDARD	0.291	08:36
BLANK TEST	0.000	08:37

Average = 0.2910
Std Dev = 0.0000



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 10/15/2025
Time: 08:40:28

SUBJECT NAME:
TEST TEST
LICENSE #: NDST

OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1

CASE/REPORT: 25-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.22: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	08:41
BLANK TEST	0.000	08:41
INTERNAL STANDARD	VERIFIED	08:41
EXTERNAL STANDARD	0.078	08:42
BLANK TEST	0.000	08:43
SUBJECT SAMPLE (Vol=1.89L)	0.000	08:43
BLANK TEST	0.000	08:44
EXTERNAL STANDARD	0.079	08:44
BLANK TEST	0.000	08:45

