

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100354

Analyst/Technician(s): Megan Corlock

Start Date: 3/25/25

Date Instrument Received: 3/25/25

Reason for instrument evaluation

Data files are exporting to DMHost incorrectly. Some of the raw data files are missing the PDF, however it is present on the physical instrument.

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): 29.79 Temperature (C): 22.7 Relative Humidity (%) 12

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

Notes: Replaced the O-ring. Instrument needs repair to resolve the missing PDF files and exporting issues.

Attach Non-Drinking Subject Test

Conclusion:

- Ready for Adjustment
- Needs Repair
- Ready for Calibration

Lab Work End Date: 3/25/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100354

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/25/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.77: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 217 psi

BLANK TEST	0.000	10:32
INTERNAL STANDARD	VERIFIED	10:32
Xq = 0.097 (1.56%)		
EXTERNAL STANDARD	0.079	10:33
X[1] = 0.0785 (-0.0020) (-0.0006)		
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.079	10:34
X[1] = 0.0786 (-0.0028) (0.0001)		
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.078	10:35
X[1] = 0.0784 (-0.0025) (-0.0005)		
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.079	10:36
X[1] = 0.0788 (-0.0019) (-0.0003)		
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.079	10:37
X[1] = 0.0788 (-0.0020) (-0.0002)		
BLANK TEST	0.000	10:38

Average = 0.0788
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 = 47.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.72 V	PASSED
(0.95 V - 2.23 V)	
Cooler Voltage = 1.53 V	PASSED
(0.95 V - 2.21 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 515 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.812 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
(0.004 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.097	2.02%	(0.00% - 4.00%)
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LINEARITY CHECK

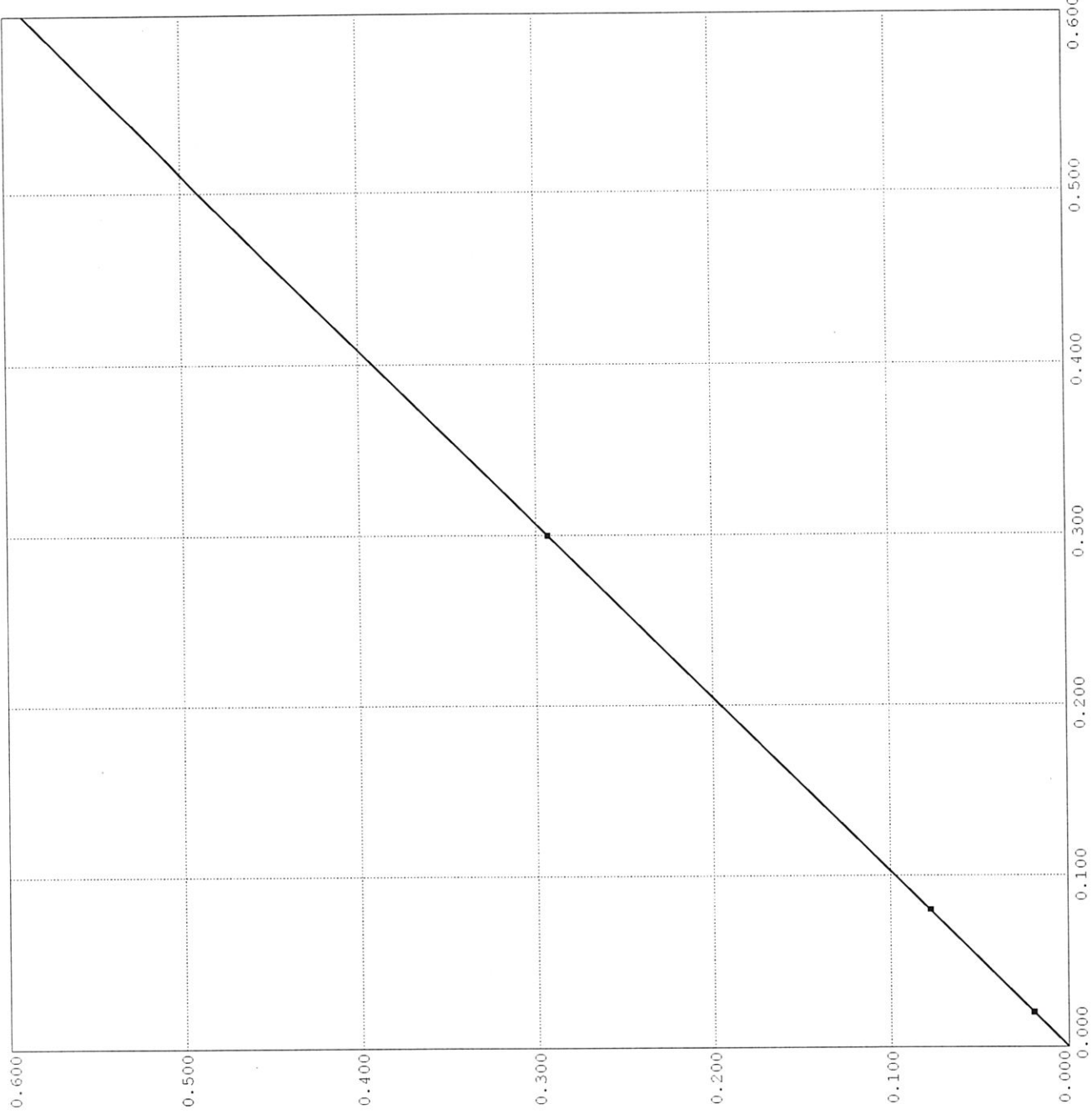
 Alaska Department of Public Safety
 DATAMASTER dmt: 100354

Date: 03/25/2025
 Time: 10:41:00

SUPERVISOR NAME:
 MEGAN CARLOCK
 OPERATOR'S #: 10747

TARGET	AVERAGE	STD. DEV.
0.020	0.0202	0.0008
0.080	0.0786	0.0005
0.299	0.2940	0.0000

SLOPE = 0.981954
 R² = 0.999997



MNC

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

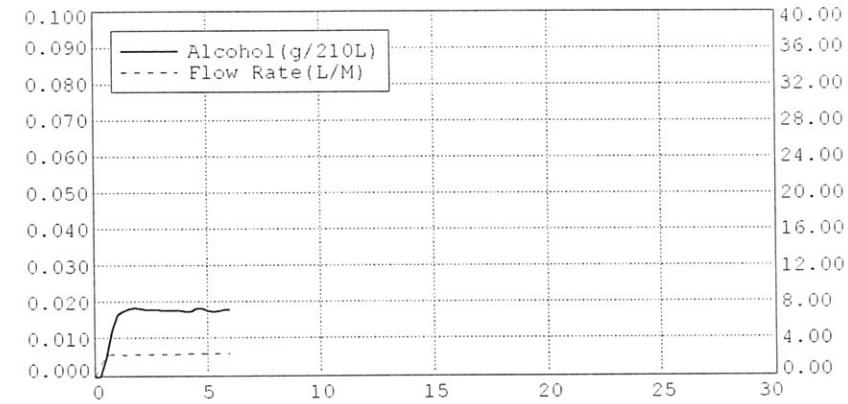
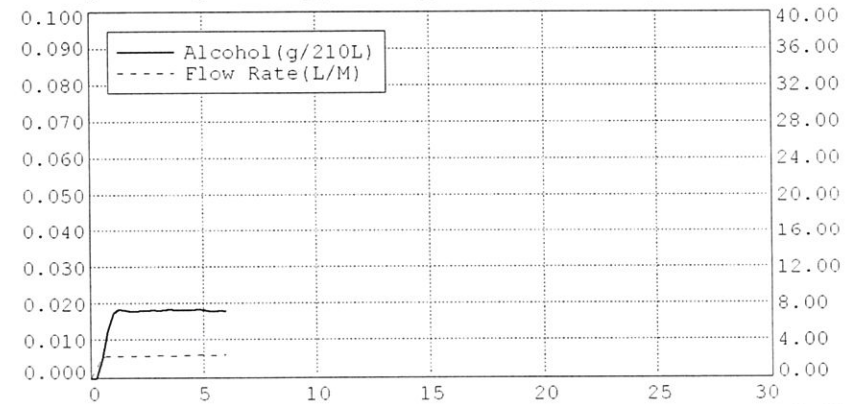
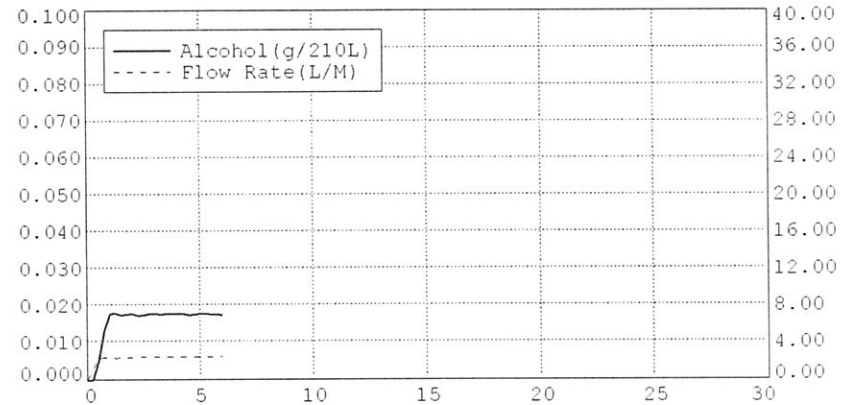
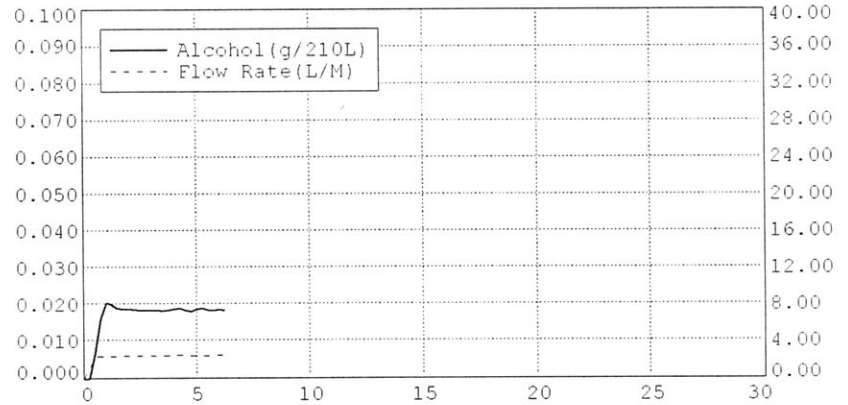
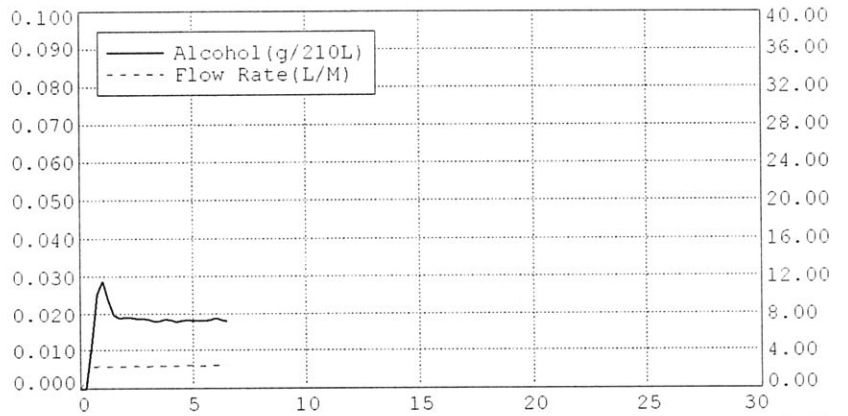
Date: 03/25/2025
 Time: 10:41:02

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.77: 0.020
 LOT #: AG408002
 EXPIRATION: 03/20/2026
 TANK PRESSURE: 420 psi

BLANK TEST	0.000	10:42
INTERNAL STANDARD	VERIFIED	10:42
EXTERNAL STANDARD	0.021	10:42
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.021	10:44
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.019	10:45
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.020	10:46
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.020	10:47
BLANK TEST	0.000	10:48

Average = 0.0202
 Std Dev = 0.0008



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

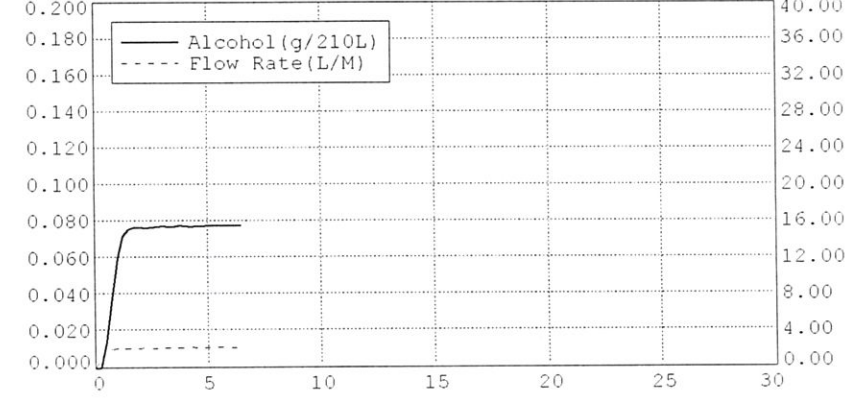
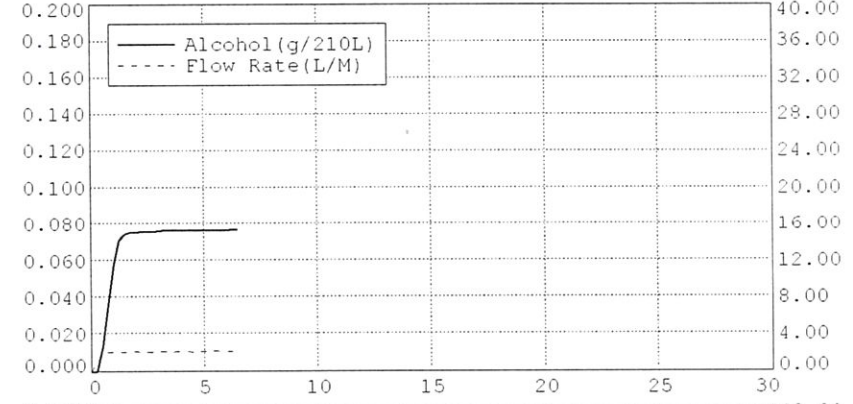
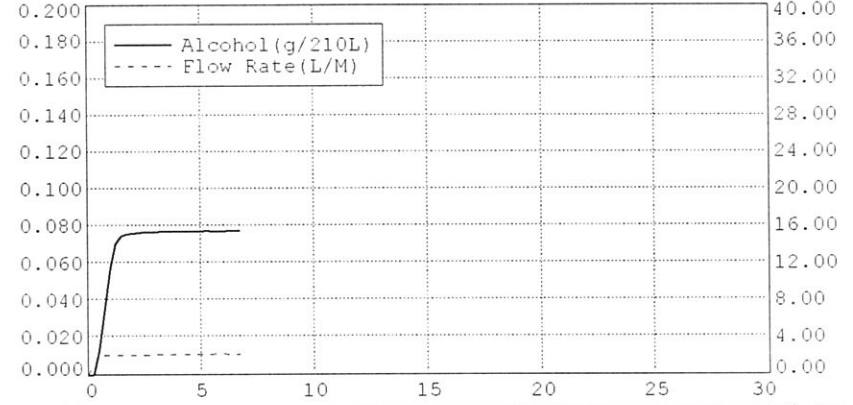
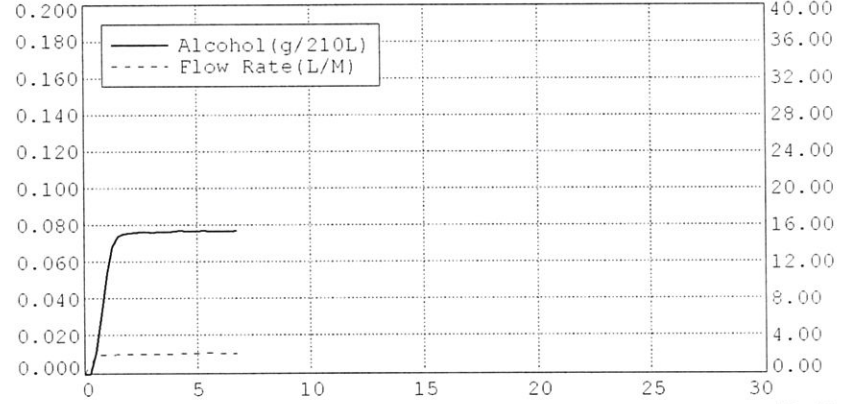
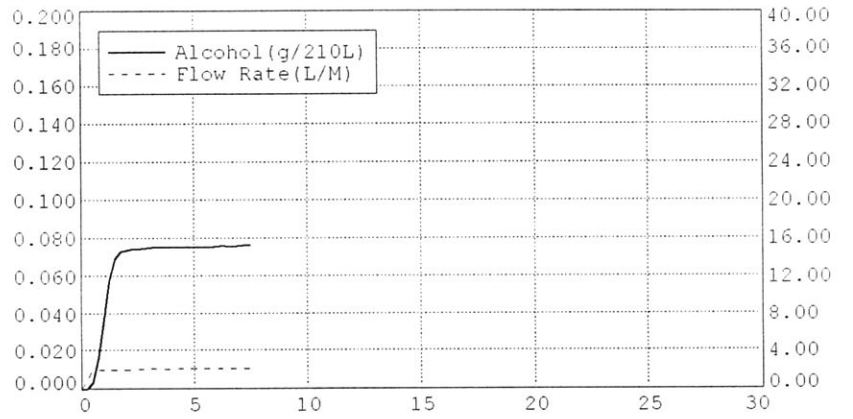
Date: 03/25/2025
 Time: 10:49:00

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.77: 0.080
 LOT #: AG335202
 EXPIRATION: 12/18/2025
 TANK PRESSURE: 200 psi

BLANK TEST	0.000	10:50
INTERNAL STANDARD	VERIFIED	10:50
EXTERNAL STANDARD	0.078	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.079	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.079	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.078	10:54
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.079	10:55
BLANK TEST	0.000	10:56

Average = 0.0786
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

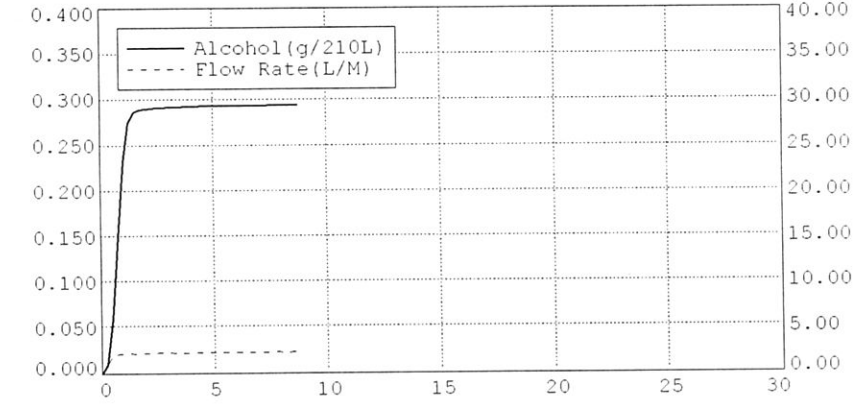
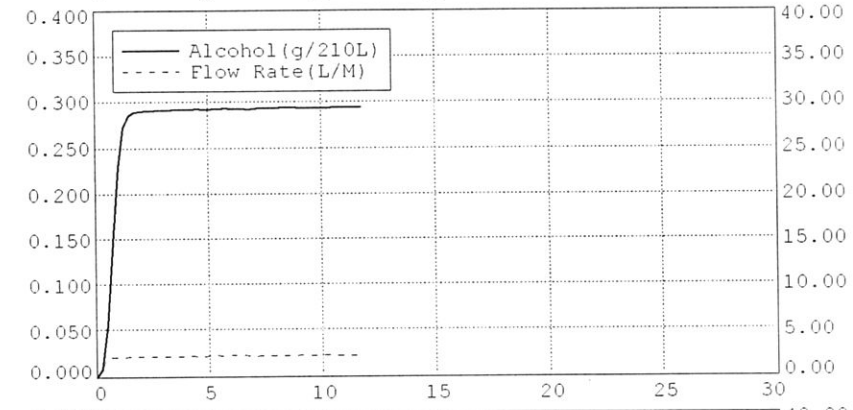
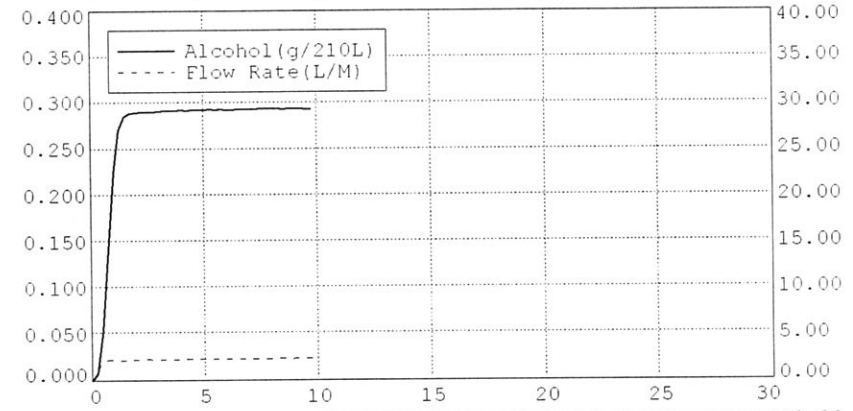
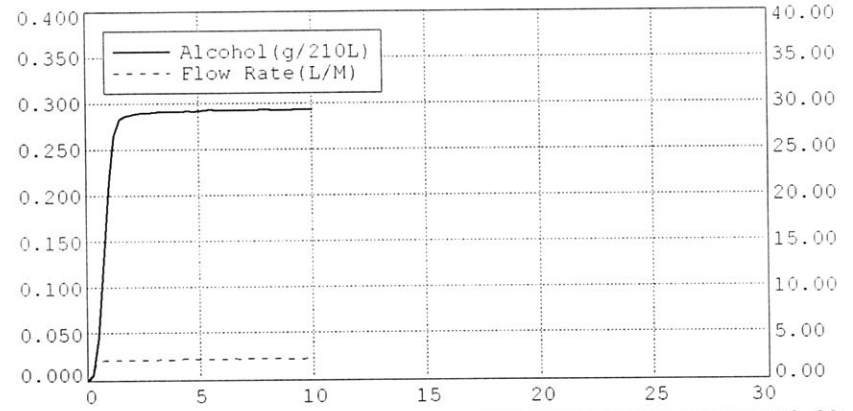
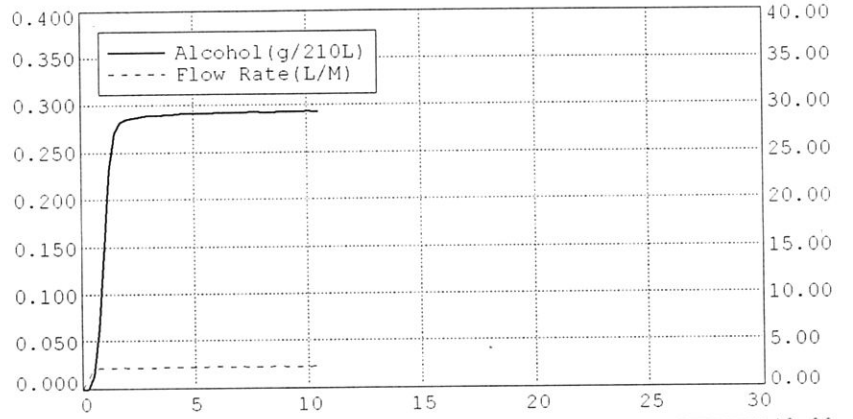
Date: 03/25/2025
 Time: 10:58:00

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.78: 0.299
 LOT #: AG427706
 EXPIRATION: 10/03/2026
 TANK PRESSURE: 266 psi

BLANK TEST	0.000	10:59
INTERNAL STANDARD	VERIFIED	10:59
EXTERNAL STANDARD	0.294	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.294	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.294	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.294	11:03
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.294	11:04
BLANK TEST	0.000	11:05

Average = 0.2940
 Std Dev = 0.0000



SUBJECT TEST

 Alaska Department of Public Safety
 DATAMASTER dmt: 100354

Date: 03/25/2025

Time: 11:12:25

SUBJECT NAME:

TEST TEST

LICENSE #: XXX

OPERATOR NAME:

MEGAN CARLOCK

OPERATOR'S #: 10747

DEPT/AGENCY:

NON-DRINKING SUBJECT TEST

CASE/REPORT: XXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.78: 0.080

LOT #: AG335202

EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK PASSED 11:13

BLANK TEST 0.000 11:13

INTERNAL STANDARD VERIFIED 11:13

EXTERNAL STANDARD 0.080 11:13

BLANK TEST 0.000 11:14

SUBJECT SAMPLE (Vol=2.30L) 0.000 11:15

BLANK TEST 0.000 11:16

EXTERNAL STANDARD 0.079 11:16

BLANK TEST 0.000 11:17

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