

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100 345

Analyst/Technician(s): Kaija Swisher

Start Date: 6/3/25

Date Instrument Received: 6/3/25

Reason for instrument evaluation

DataMaster returned due to lack of use.

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): 29.66 Temperature (C): 22.3 Relative Humidity (%) 22

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: 6/3/25

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100345

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/03/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.63: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 773 psi

BLANK TEST	0.000	09:48
INTERNAL STANDARD	VERIFIED	09:48
Xq = 0.094 (0.56%)		
EXTERNAL STANDARD	0.077	09:48
X[1] = 0.0772 (-0.0049) (-0.0012)		
BLANK TEST	0.000	09:49
EXTERNAL STANDARD	0.077	09:49
X[1] = 0.0774 (-0.0030) (-0.0009)		
BLANK TEST	0.000	09:50
EXTERNAL STANDARD	0.078	09:51
X[1] = 0.0777 (-0.0037) (0.0000)		
BLANK TEST	0.000	09:51
EXTERNAL STANDARD	0.078	09:52
X[1] = 0.0778 (-0.0022) (-0.0003)		
BLANK TEST	0.000	09:53
EXTERNAL STANDARD	0.078	09:53
X[1] = 0.0775 (-0.0033) (-0.0001)		
BLANK TEST	0.000	09:54

Average = 0.0776
Std Dev = 0.0005

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 = 47.8°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.72 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.61 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 513 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 4.178 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 = 0.094 0.65% (0.00% - 4.00%)	PASSED
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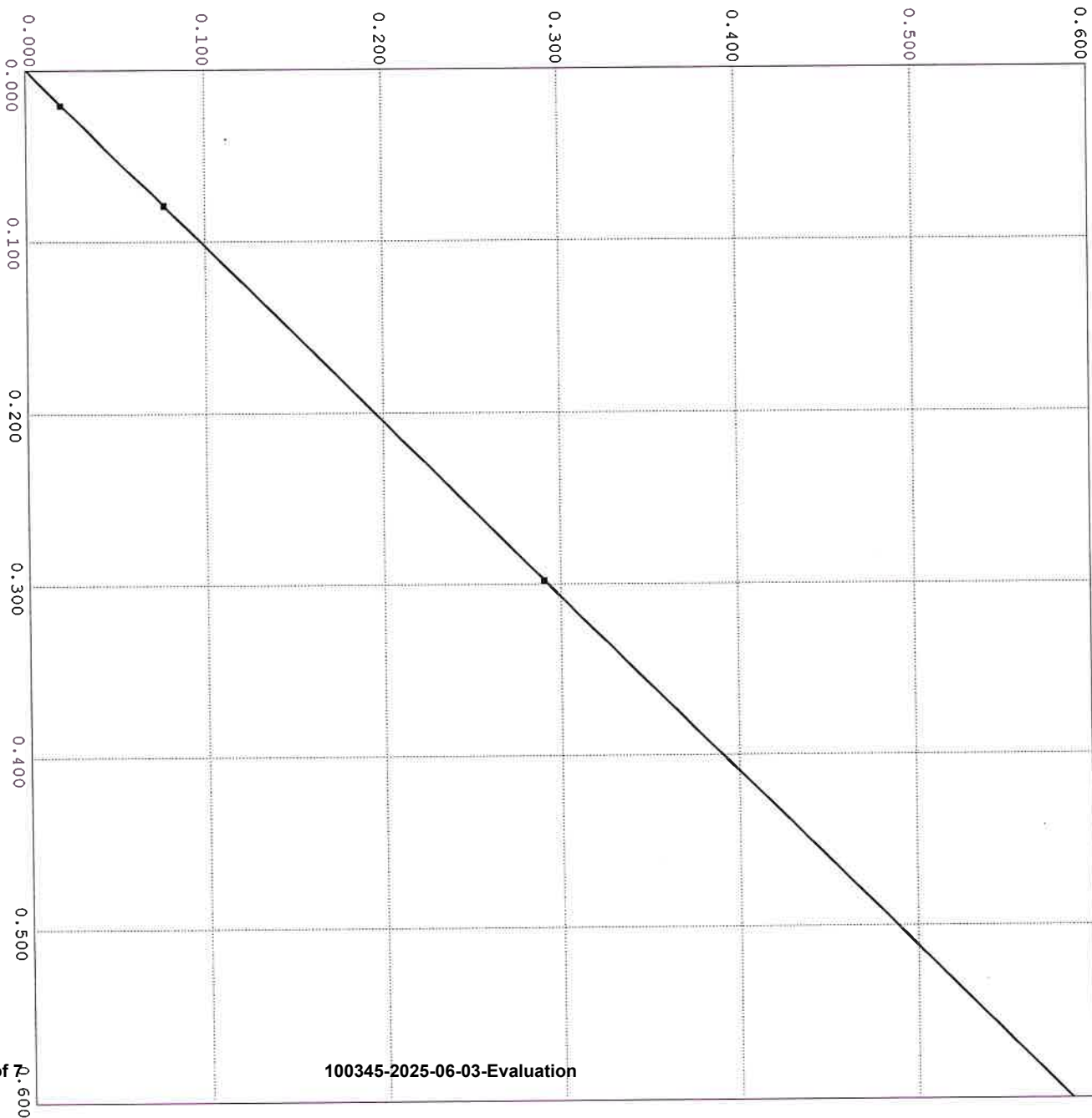
LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dmt: 100345

Date: 06/03/2025
 Time: 10:13:01

SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0202	0.0004
0.079	0.0780	0.0000
0.297	0.2912	0.0004
SLOPE	= 0.978242	
R ²	= 1.000000	



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LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100345

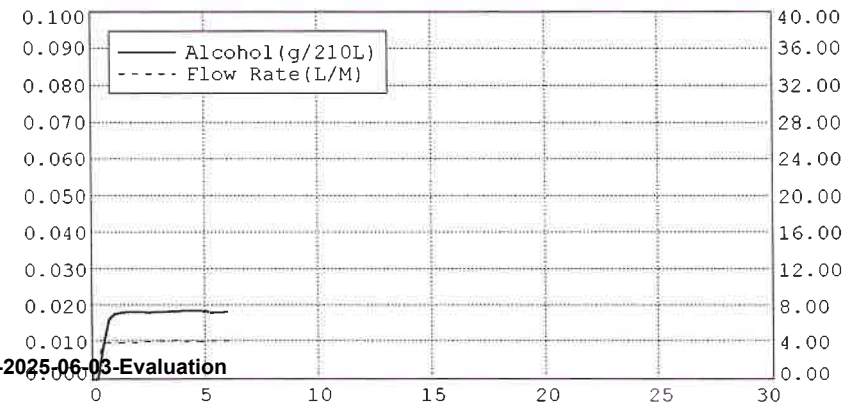
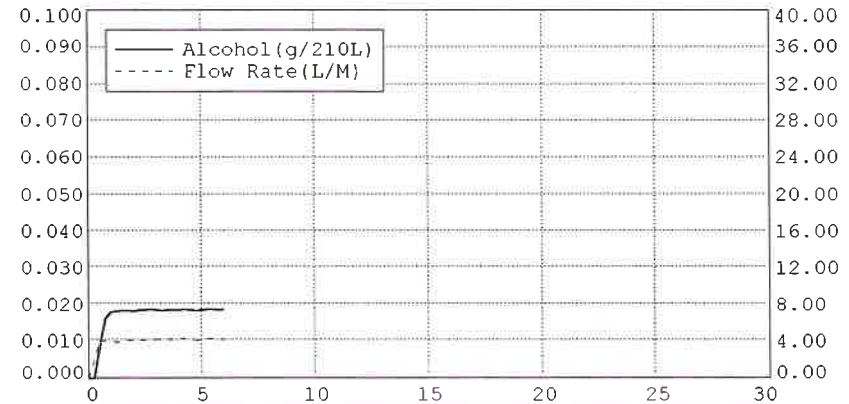
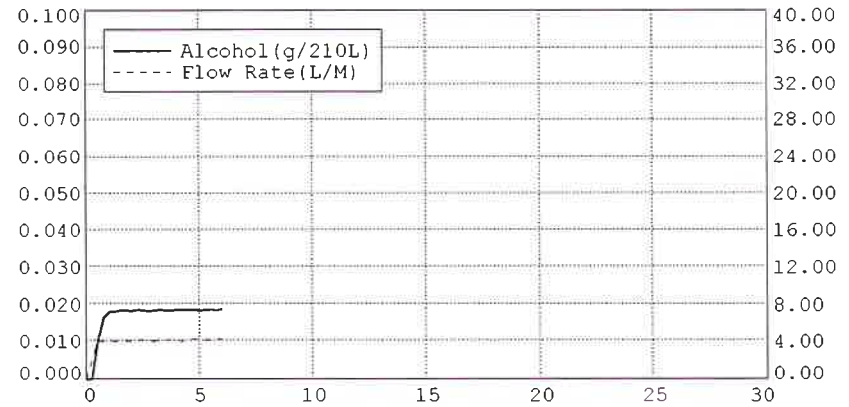
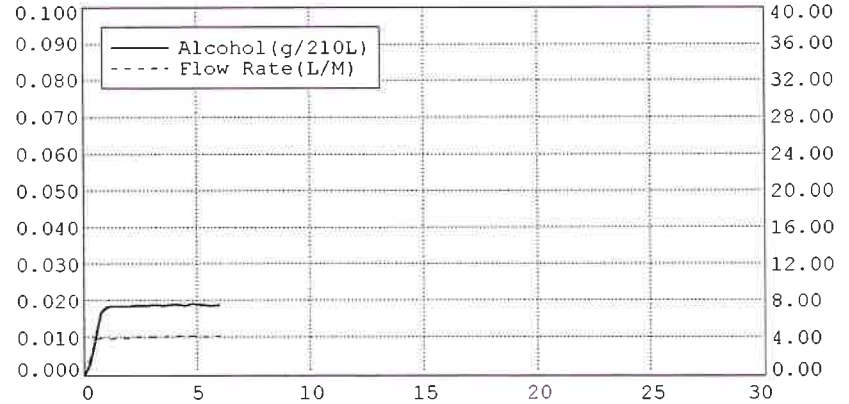
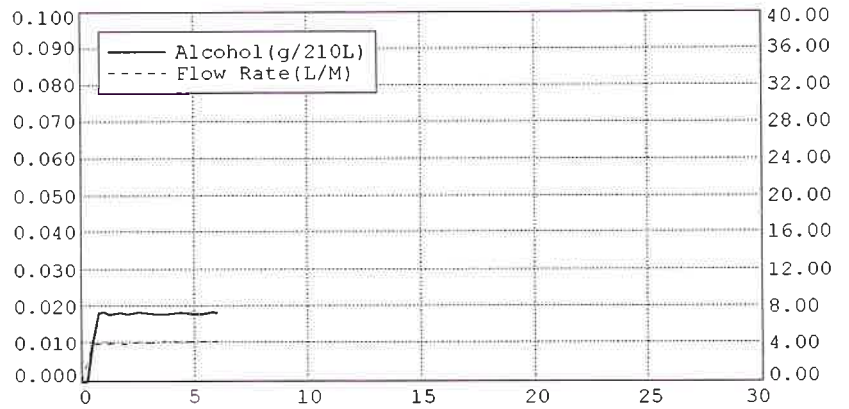
Date: 06/03/2025
Time: 10:13:03

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.62: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 852 psi

TEST TYPE	CONCENTRATION	TIME
BLANK TEST	0.000	10:14
INTERNAL STANDARD	VERIFIED	10:14
EXTERNAL STANDARD	0.020	10:15
BLANK TEST	0.000	10:15
EXTERNAL STANDARD	0.021	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.020	10:17
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.020	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.020	10:19
BLANK TEST	0.000	10:20

Average = 0.0202
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100345

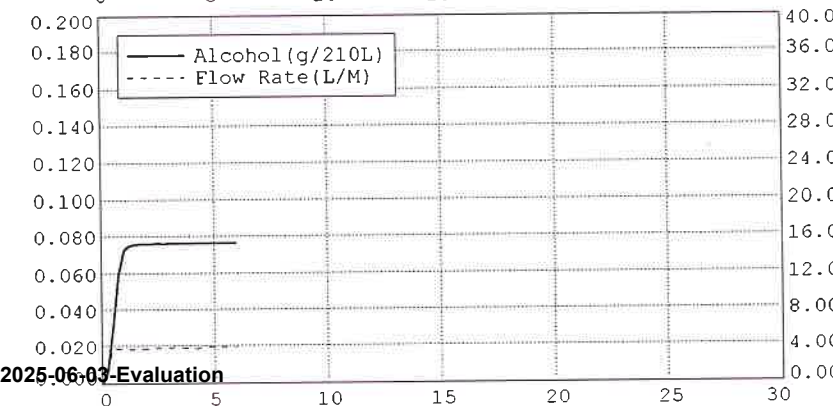
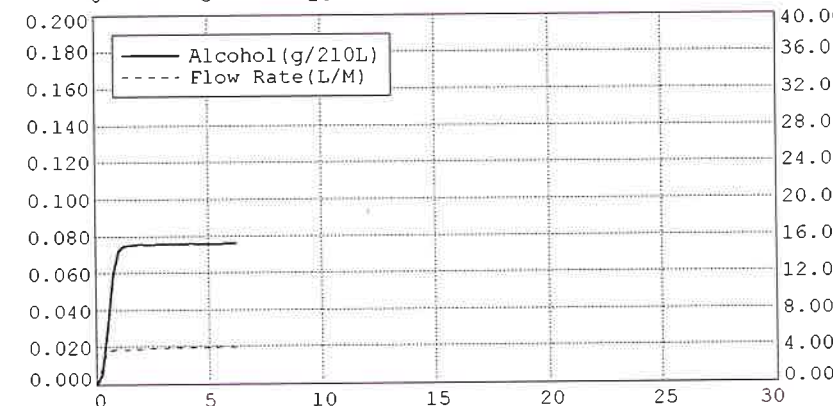
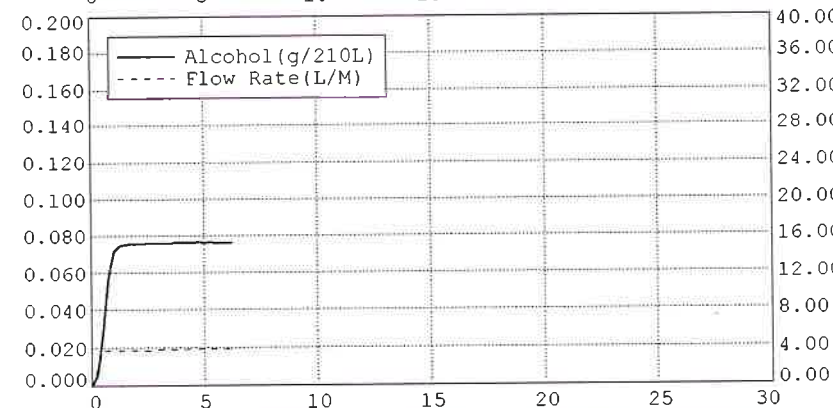
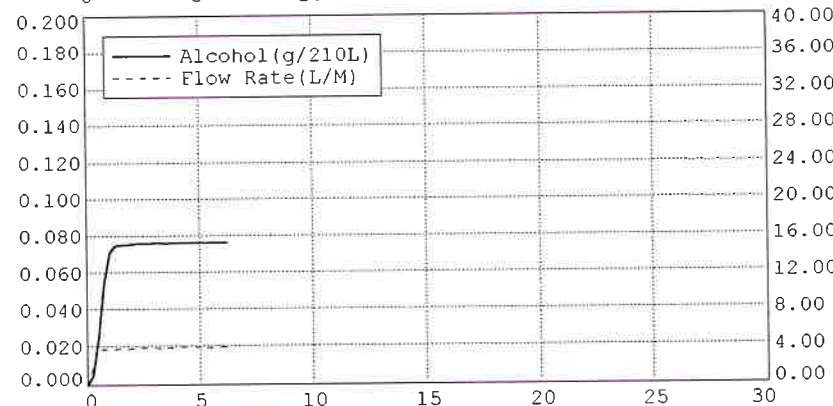
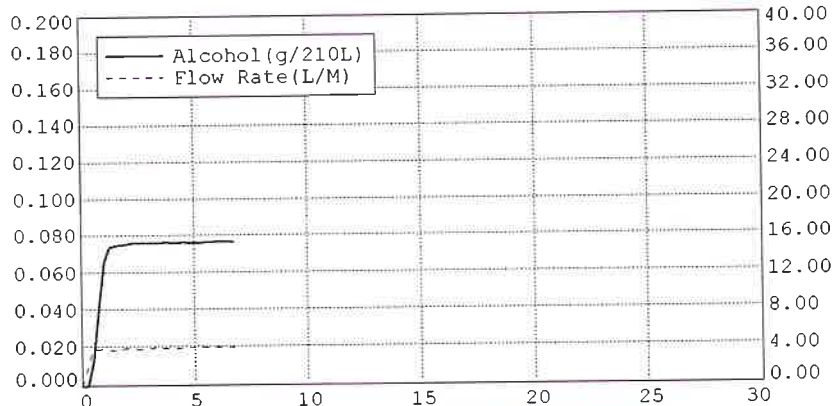
Date: 06/03/2025
Time: 10:21:08

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.62: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 747 psi

BLANK TEST	0.000	10:22
INTERNAL STANDARD	VERIFIED	10:23
EXTERNAL STANDARD	0.078	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.078	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.078	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.078	10:26
BLANK TEST	0.000	10:27
EXTERNAL STANDARD	0.078	10:27
BLANK TEST	0.000	10:28

Average = 0.0780
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100345

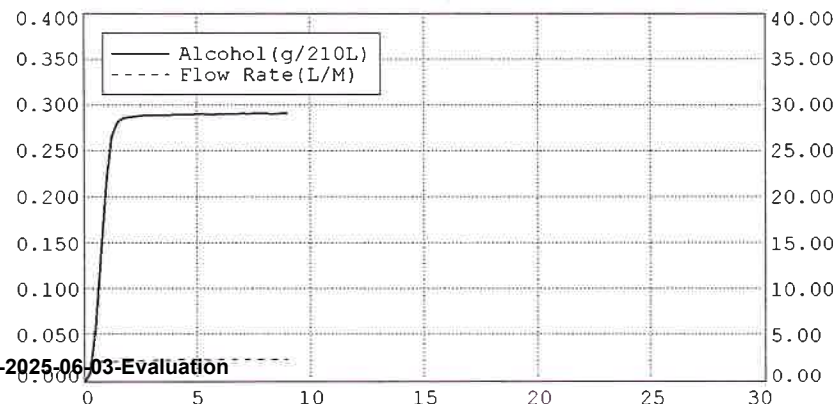
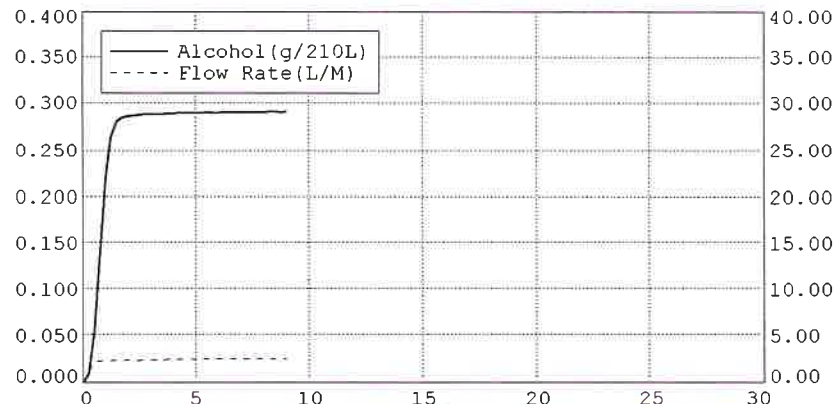
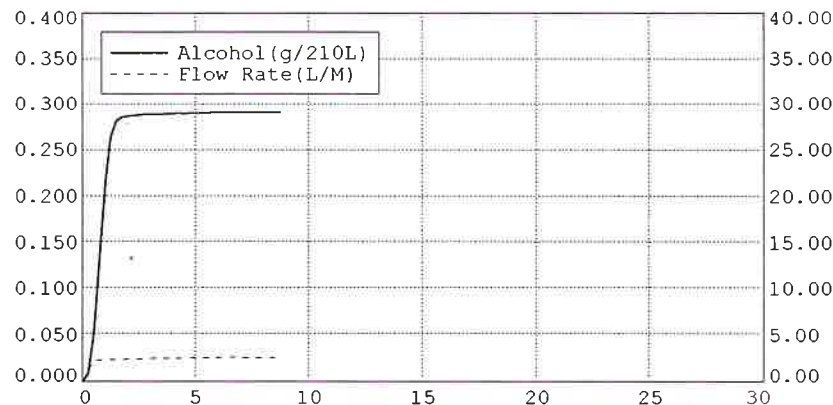
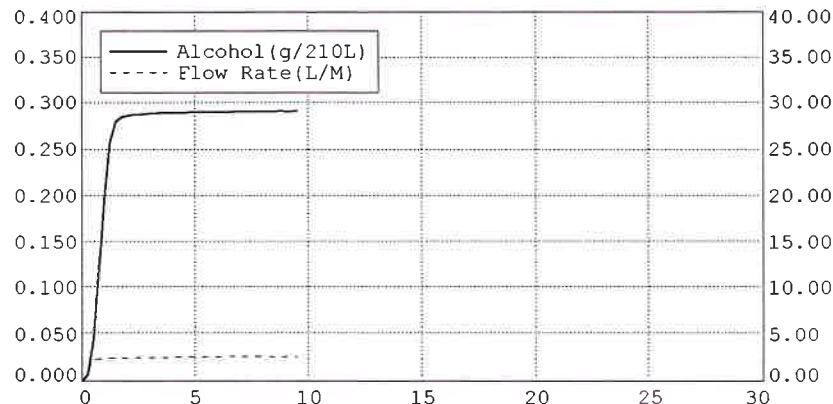
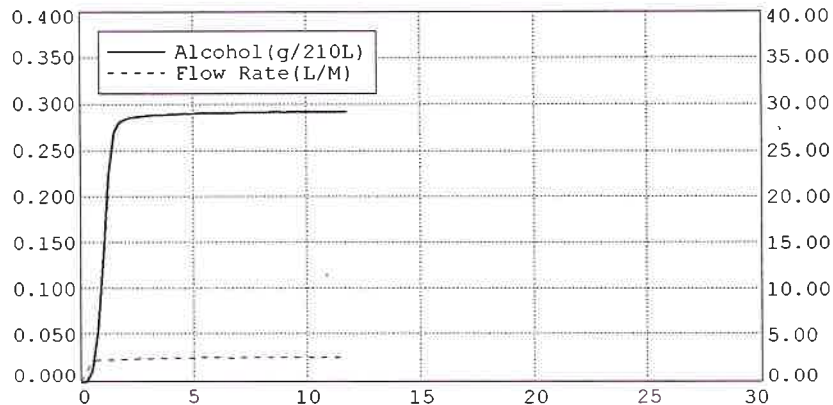
Date: 06/03/2025
Time: 10:29:30

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.61: 0.297
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 122 psi

BLANK TEST	0.000	10:30
INTERNAL STANDARD	VERIFIED	10:30
EXTERNAL STANDARD	0.292	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.291	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.291	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.291	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.291	10:35
BLANK TEST	0.000	10:36

Average = 0.2912
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100345

Date: 06/03/2025
Time: 10:42:42

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.62: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

	PASSED	
DIAGNOSTIC CHECK	0.000	10:43
BLANK TEST	0.000	10:43
INTERNAL STANDARD	0.079	10:44
EXTERNAL STANDARD	0.000	10:45
BLANK TEST	0.000	10:45
SUBJECT SAMPLE (Vol=1.58L)	0.000	10:46
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.079	10:46
BLANK TEST	0.000	10:47

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