

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100683

Analyst/Technician(s): Kaija Swisher

Start Date: 5/1/25

Date Instrument Received: 5/1/25

Reason for instrument evaluation

Internal Standard errors (>4%).

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): 29.1 Temperature (C): 21.9 Relative Humidity (%) 23

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

Notes: Internal standard above 3%.

☒ Attach Non-Drinking Subject Test

Conclusion:

- | | |
|--|---------------------------------------|
| ☒ Ready for Adjustment | ☐ Needs Repair |
| ☐ Ready for Calibration | |

Lab Work End Date: 5/1/25

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100683

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/01/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.18: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 320 psi

BLANK TEST	0.000	12:56
INTERNAL STANDARD	VERIFIED	12:56
Xq = 0.109 (3.18%)		
EXTERNAL STANDARD	0.077	12:56
X[1] = 0.0768 (-0.0016) (0.0034)		
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.077	12:57
X[1] = 0.0771 (-0.0023) (0.0023)		
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.077	12:58
X[1] = 0.0768 (-0.0020) (0.0025)		
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.077	12:59
X[1] = 0.0773 (-0.0022) (0.0022)		
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.077	13:00
X[1] = 0.0774 (-0.0020) (0.0020)		
BLANK TEST	0.000	13:01

Average = 0.0770
Std Dev = 0.0000

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 = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.76 V	PASSED
(1.17 V - 2.73 V)	
Cooler Voltage = 1.79 V	PASSED
(1.13 V - 2.65 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.034 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
(0.005 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.107 1.84% (0.00% - 4.00%)	PASSED
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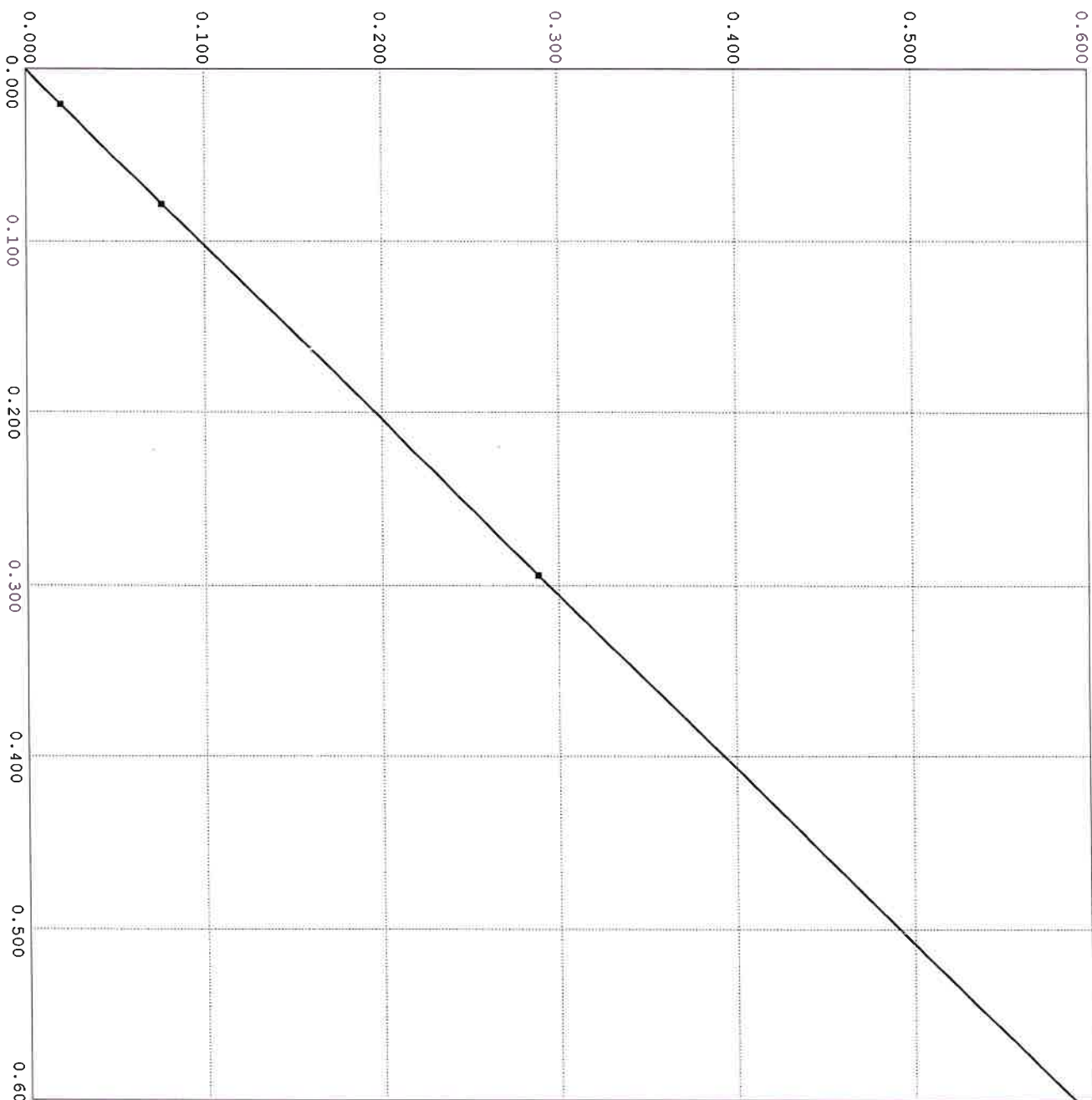
LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dnt: 100683

Date: 05/01/2025
 Time: 13:09:46

SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0202	0.0004
0.078	0.0770	0.0000
0.293	0.2890	0.0000
SLOPE	= 0.985005	
R ²	= 0.999999	



KS

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100683

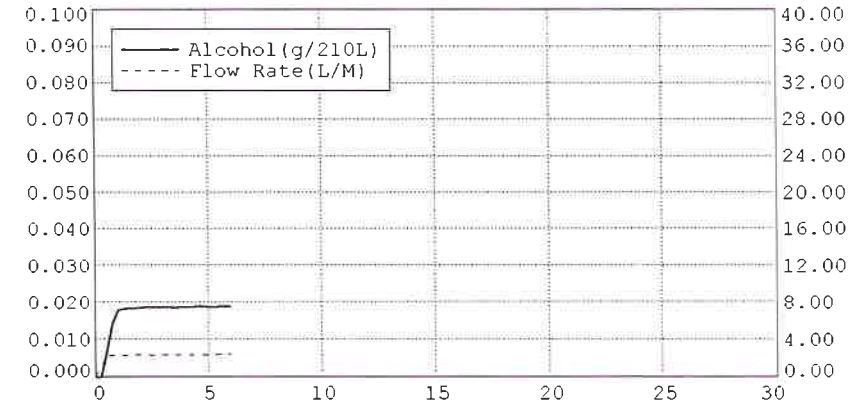
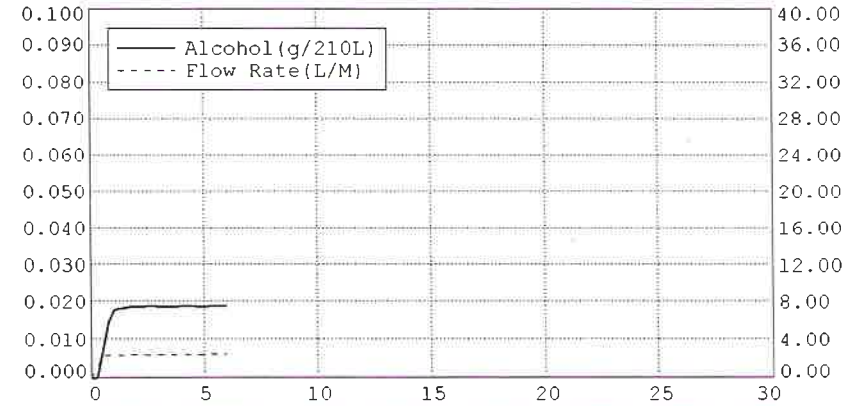
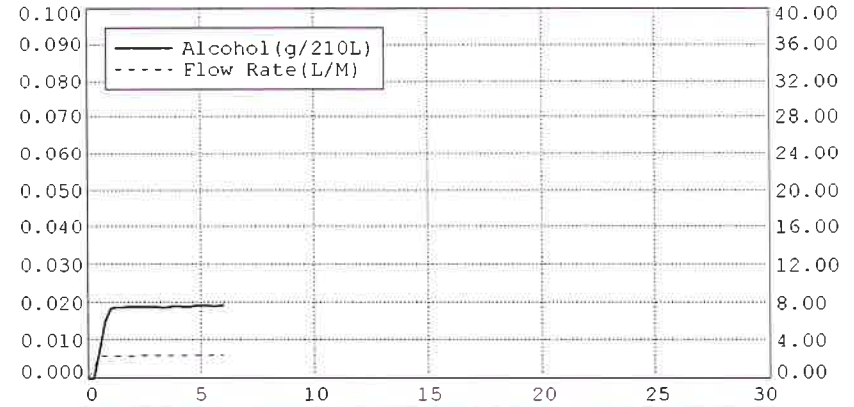
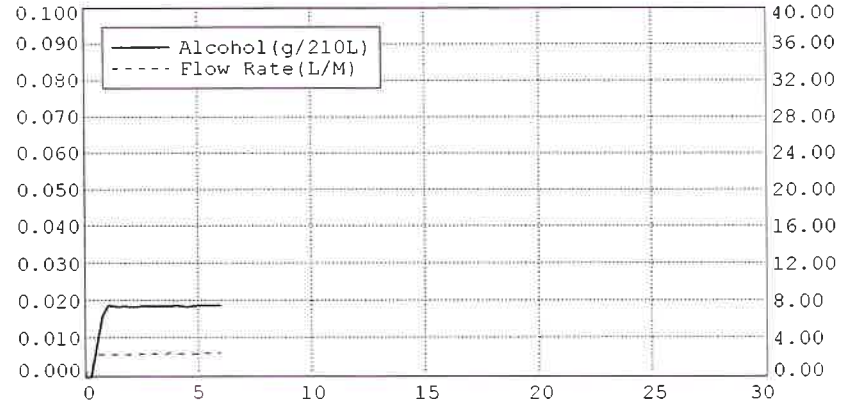
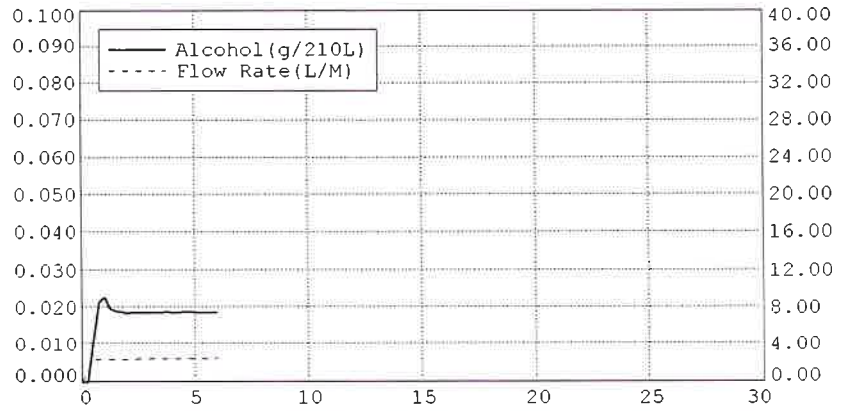
Date: 05/01/2025
Time: 13:09:48

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.18: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 1001 psi

BLANK TEST	0.000	13:11
INTERNAL STANDARD	VERIFIED	13:11
EXTERNAL STANDARD	0.020	13:11
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.020	13:12
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.021	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.020	13:14
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.020	13:15
BLANK TEST	0.000	13:16

Average = 0.0202
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100683

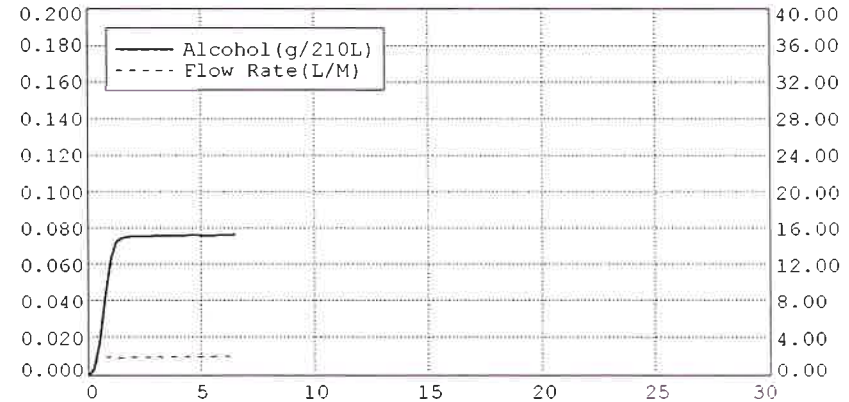
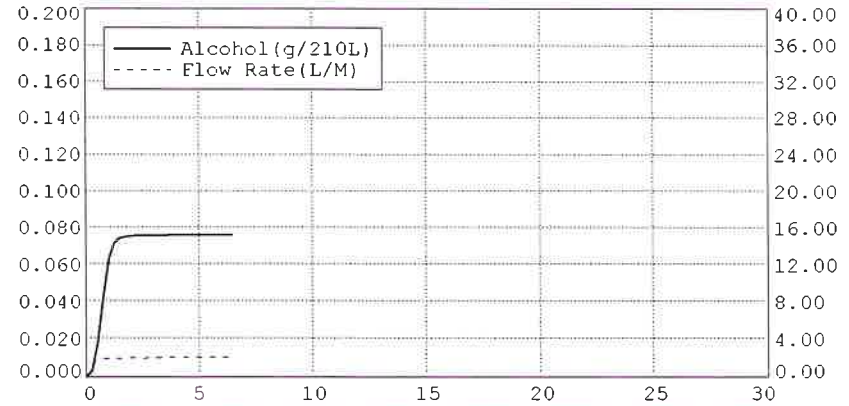
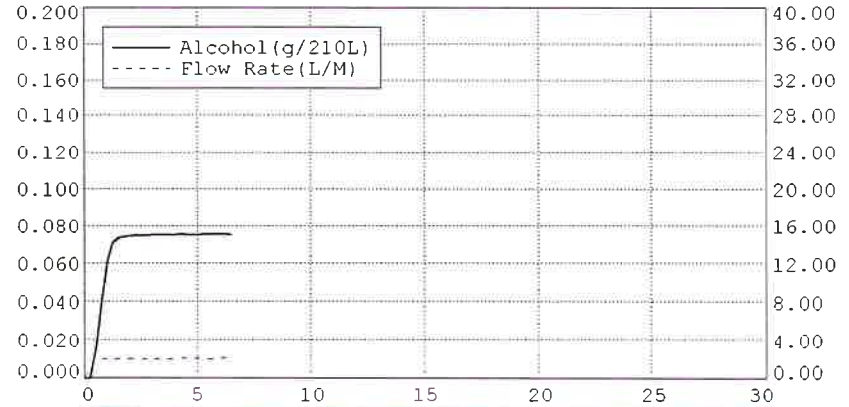
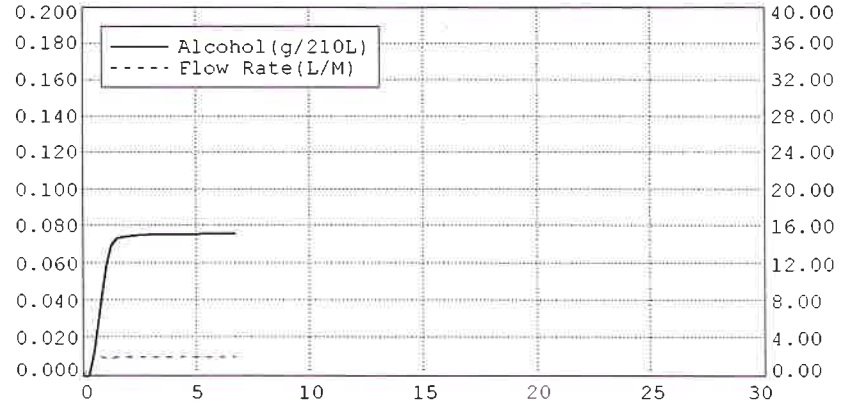
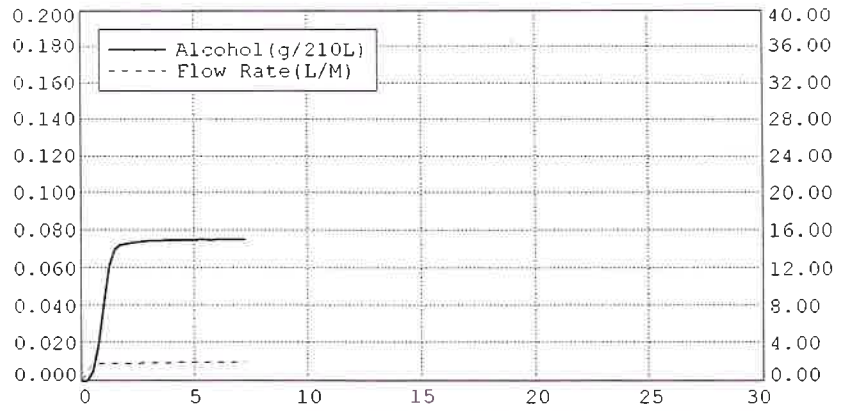
Date: 05/01/2025
Time: 13:20:18

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.18: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 305 psi

BLANK TEST	0.000	13:21
INTERNAL STANDARD	VERIFIED	13:21
EXTERNAL STANDARD	0.077	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.077	13:23
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.077	13:24
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.077	13:25
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.077	13:26
BLANK TEST	0.000	13:27

Average = 0.0770
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100683

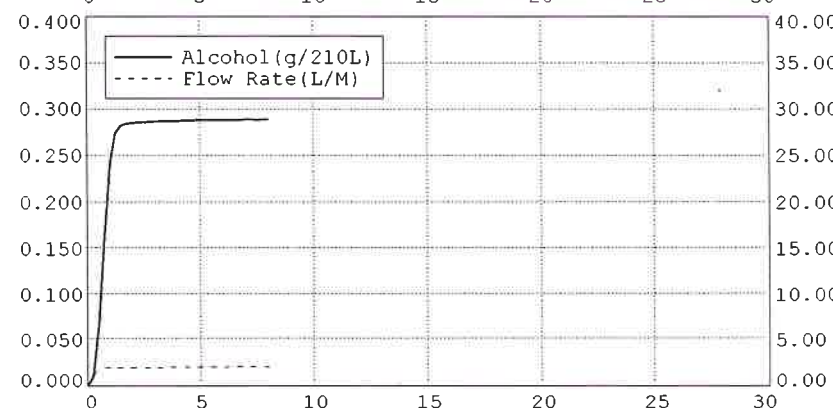
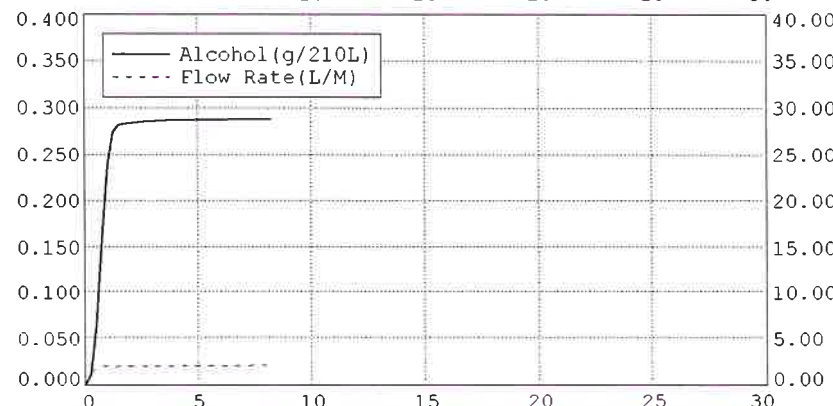
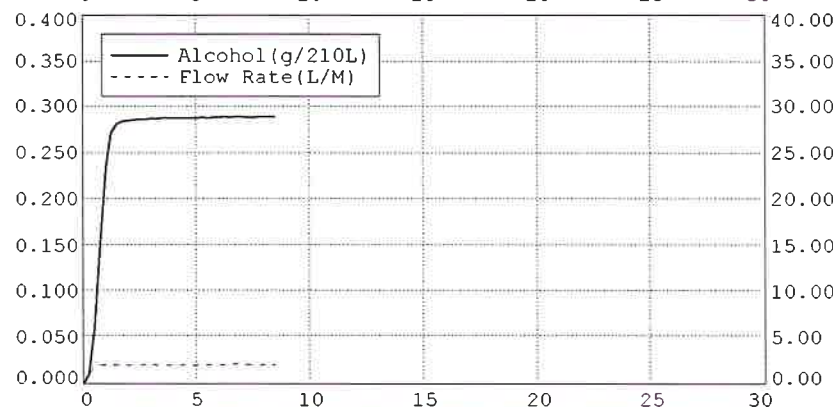
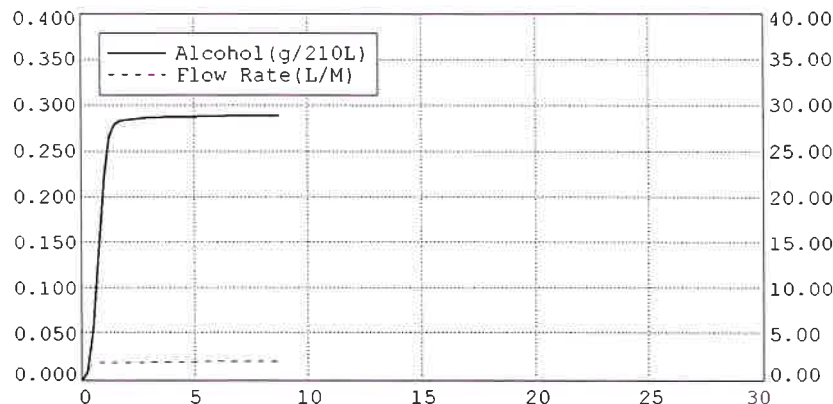
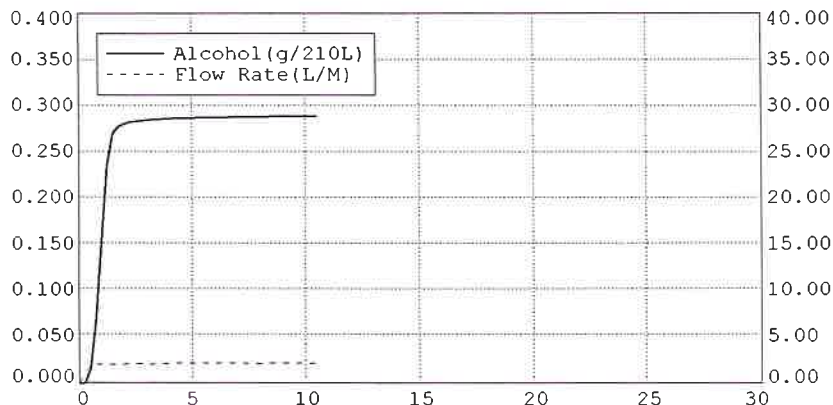
Date: 05/01/2025
Time: 13:28:02

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.18: 0.293
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 252 psi

BLANK TEST	0.000	13:29
INTERNAL STANDARD	VERIFIED	13:29
EXTERNAL STANDARD	0.289	13:29
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.289	13:31
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.289	13:32
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.289	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.289	13:34
BLANK TEST	0.000	13:35

Average = 0.2890
Std Dev = 0.0000



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100683

Date: 05/01/2025
Time: 13:40:11

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 29.18: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:42
BLANK TEST	0.000	13:43
INTERNAL STANDARD	VERIFIED	13:43
EXTERNAL STANDARD	0.079	13:43
BLANK TEST	0.000	13:44
SUBJECT SAMPLE (Vol=1.58L)	0.000	13:44
BLANK TEST	0.000	13:45
EXTERNAL STANDARD	0.078	13:45
BLANK TEST	0.000	13:46

Alcohol(g/210L)
Flow Rate(L/M)
Min. Flow Rate(L/M)

