

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100365

Analyst/Technician(s): Derek Watten

Start Date: 06/26/2025

Date Instrument Received: 06/26/2025

Reason for instrument evaluation

Never placed in service due to Interference Detected and Internal Standard Error messages at agency. Poll via modem not successful on Check In

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): 29.54 Temperature (C): 22.5 Relative Humidity (%) 32

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

Notes: Recommend Repair to resolve unable to poll via modem.

☒ Attach Non-Drinking Subject Test

Conclusion:

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

Lab Work End Date: 06/26/2025

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100365

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/26/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.53: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1208 psi

BLANK TEST	0.000	14:27
INTERNAL STANDARD	VERIFIED	14:27
Xq = 0.094 (0.75%)		
EXTERNAL STANDARD	0.077	14:28
X[1] = 0.0772 (-0.0015) (0.0002)		
BLANK TEST	0.000	14:29
EXTERNAL STANDARD	0.078	14:29
X[1] = 0.0777 (-0.0016) (-0.0004)		
BLANK TEST	0.000	14:30
EXTERNAL STANDARD	0.078	14:30
X[1] = 0.0778 (-0.0020) (-0.0007)		
BLANK TEST	0.000	14:31
EXTERNAL STANDARD	0.078	14:31
X[1] = 0.0783 (-0.0014) (0.0003)		
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.078	14:32
X[1] = 0.0784 (-0.0013) (0.0004)		
BLANK TEST	0.000	14:33

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 = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.02 V	PASSED
(1.21 V - 2.83 V)	
Cooler Voltage = 1.82 V	PASSED
(1.09 V - 2.55 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 520 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

PUMP INFO

Flow Rate = 4.709 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 = 0.093 0.38%	PASSED
(0.00% - 4.00%)	

LINEARITY CHECK

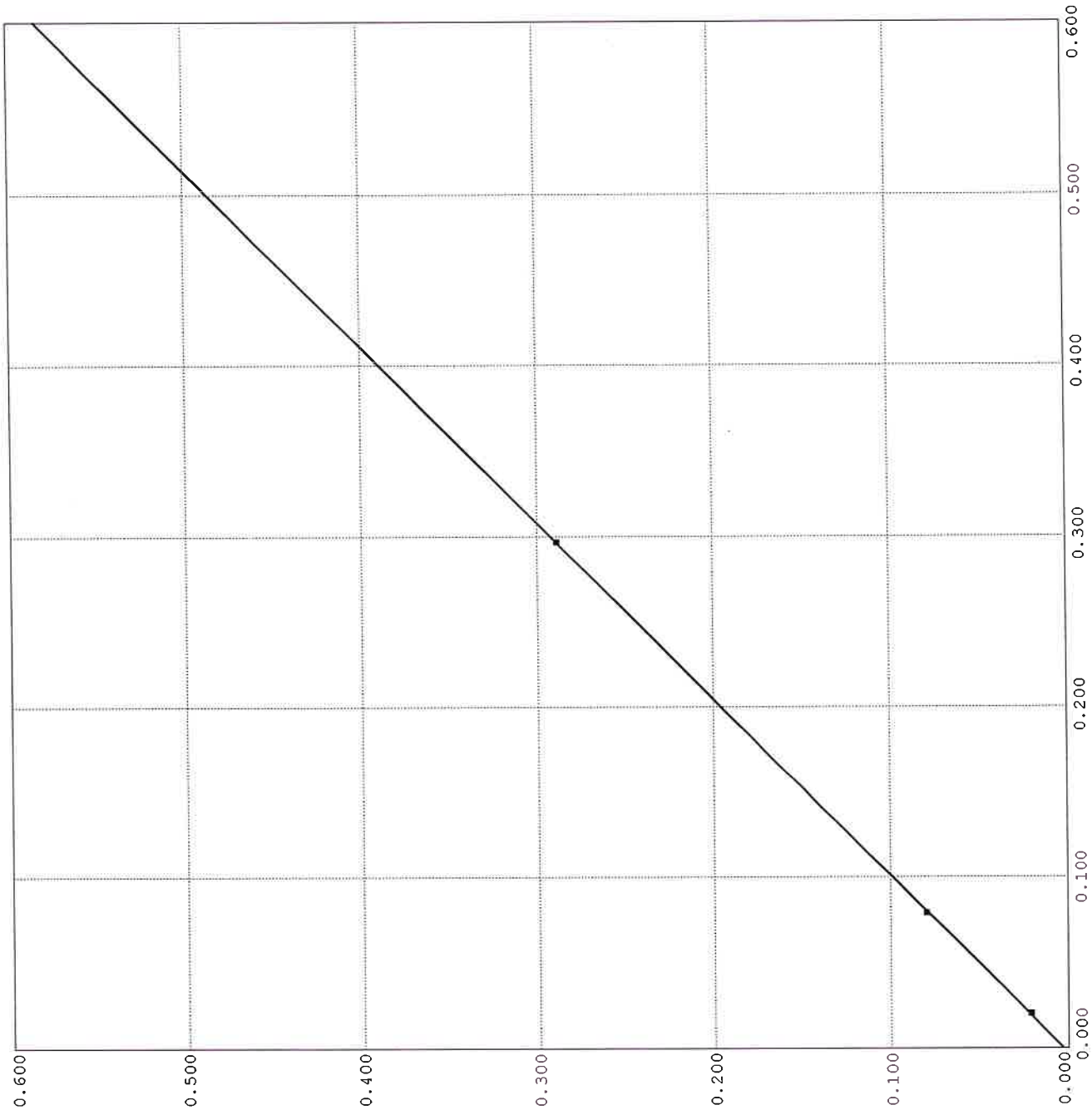
Alaska Department of Public Safety
 DATAMASTER dmt: 100365

Date: 06/26/2025
 Time: 14:40:57

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

TARGET	AVERAGE	STD. DEV.
0.020	0.0216	0.0005
0.079	0.0808	0.0013
0.296	0.2896	0.0005

SLOPE = 0.968633
 R^2 = 0.999945



DW

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100365

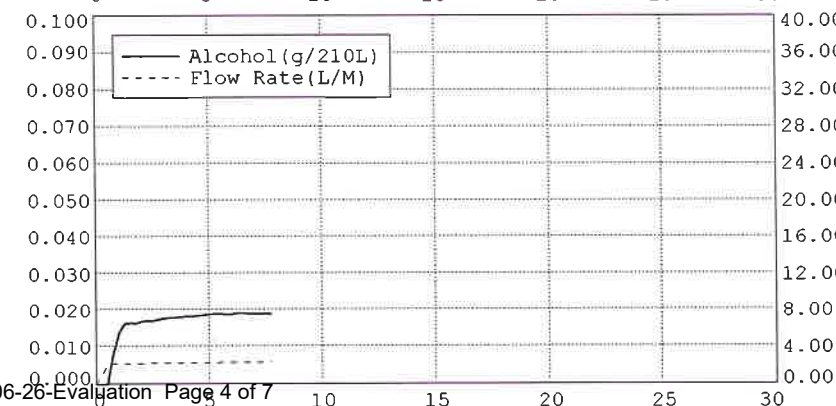
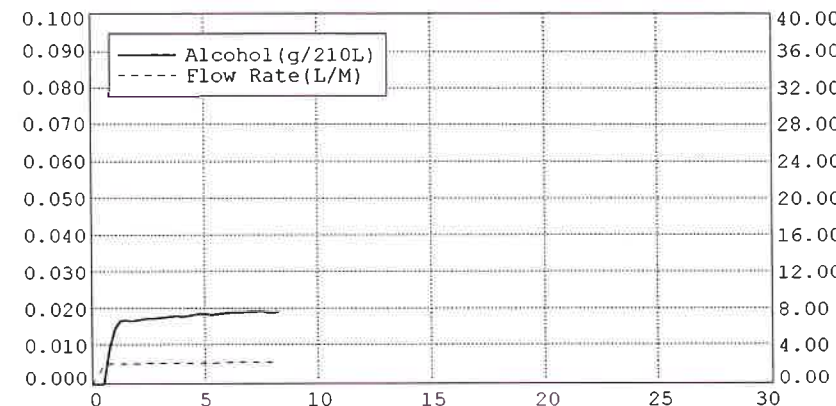
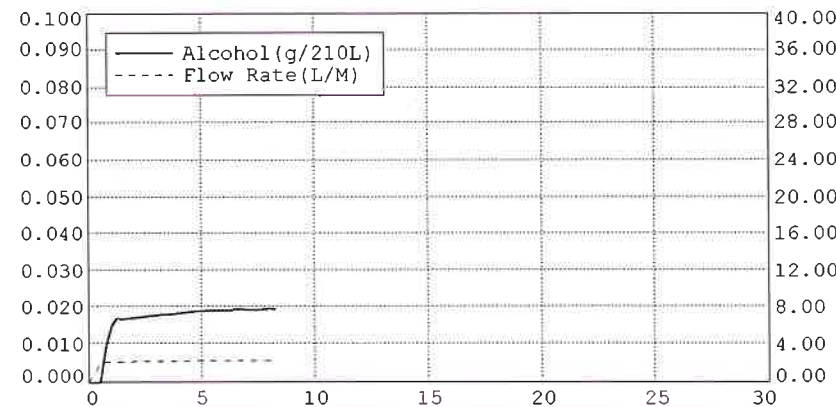
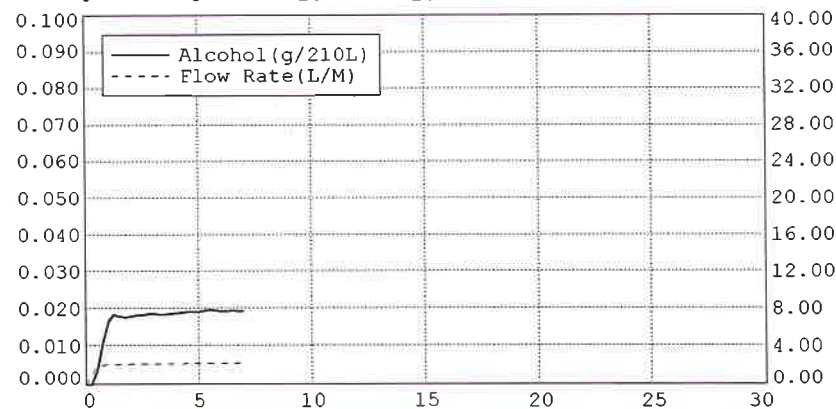
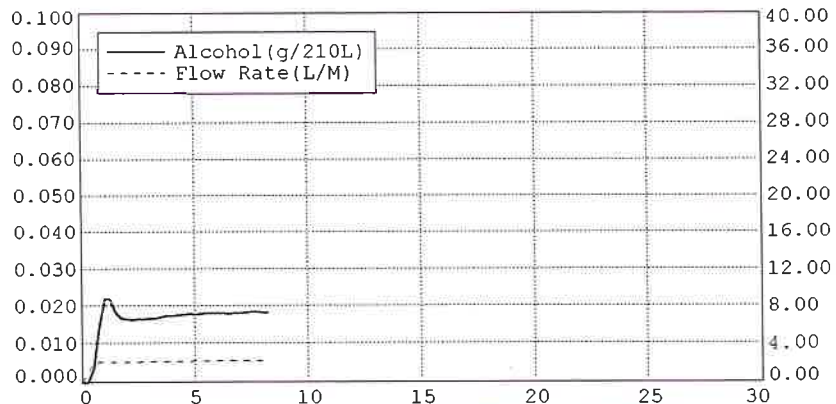
Date: 06/26/2025
Time: 14:40:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.52: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 692 psi

TEST TYPE	Value	Time
BLANK TEST	0.000	14:42
INTERNAL STANDARD	VERIFIED	14:42
EXTERNAL STANDARD	0.021	14:42
BLANK TEST	0.000	14:43
EXTERNAL STANDARD	0.022	14:43
BLANK TEST	0.000	14:44
EXTERNAL STANDARD	0.022	14:44
BLANK TEST	0.000	14:45
EXTERNAL STANDARD	0.022	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.021	14:47
BLANK TEST	0.000	14:47

Average = 0.0216
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100365

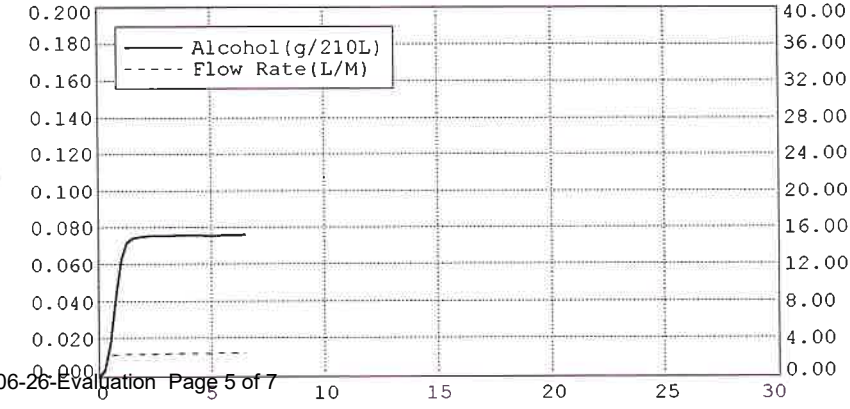
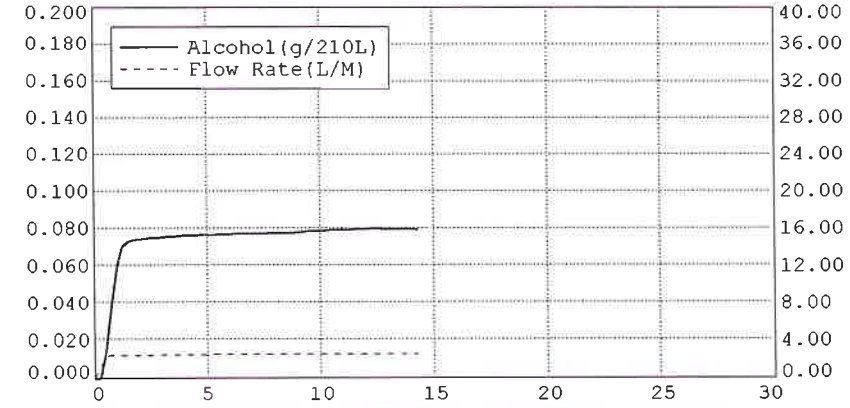
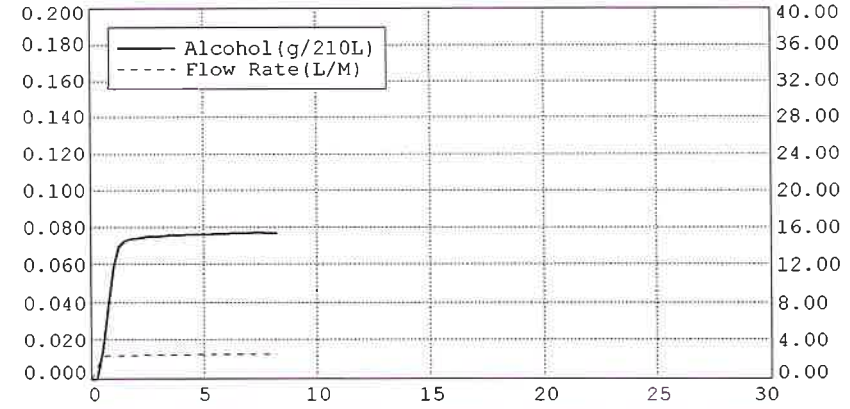
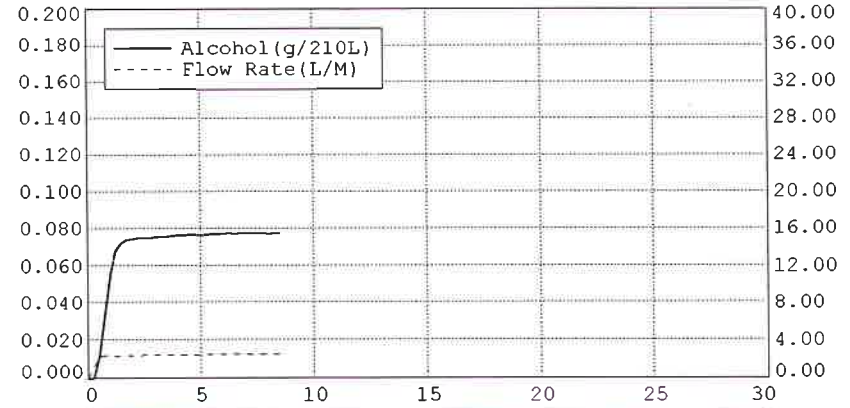
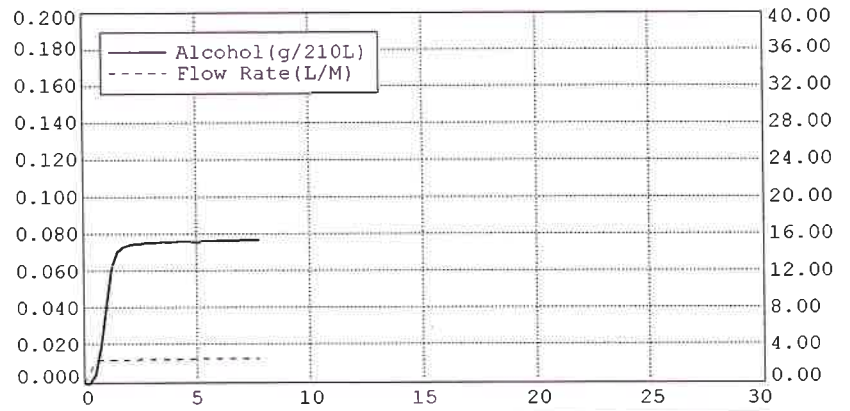
Date: 06/26/2025
Time: 14:51:48

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.52: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1195 psi

BLANK TEST	0.000	14:52
INTERNAL STANDARD	VERIFIED	14:53
EXTERNAL STANDARD	0.082	14:53
BLANK TEST	0.000	14:54
EXTERNAL STANDARD	0.082	14:54
BLANK TEST	0.000	14:55
EXTERNAL STANDARD	0.081	14:55
BLANK TEST	0.000	14:56
EXTERNAL STANDARD	0.080	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.079	14:57
BLANK TEST	0.000	14:58

Average = 0.0808
Std Dev = 0.0013



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100365

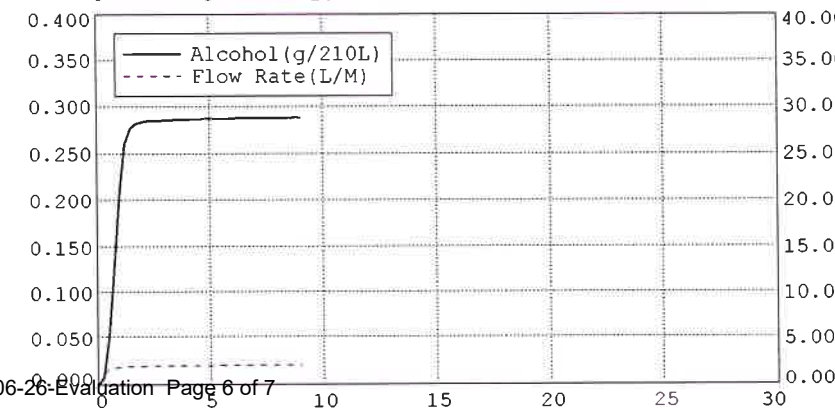
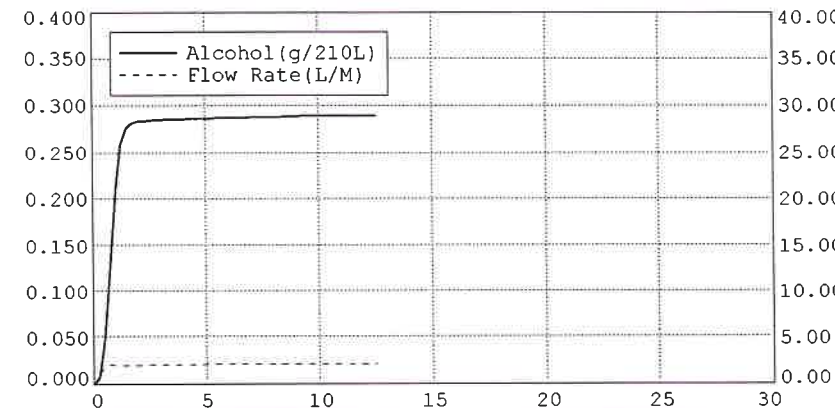
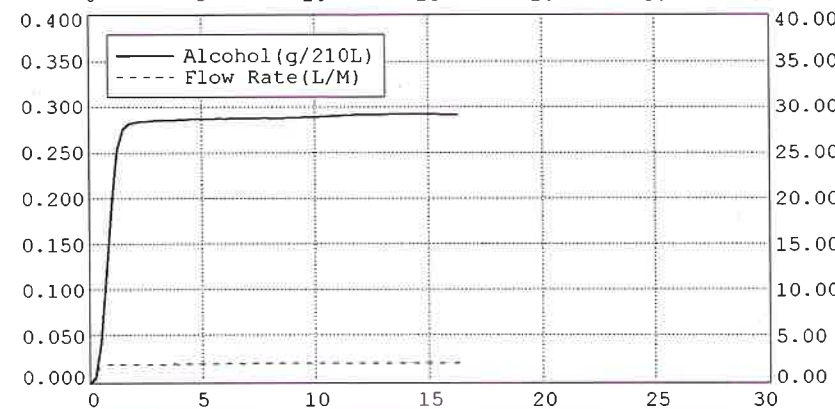
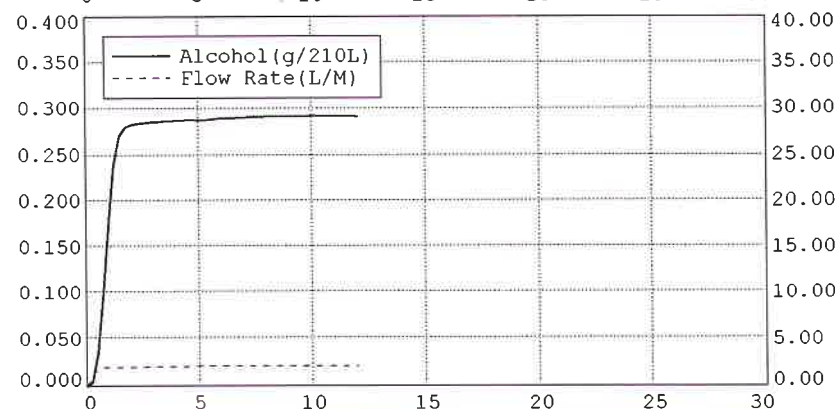
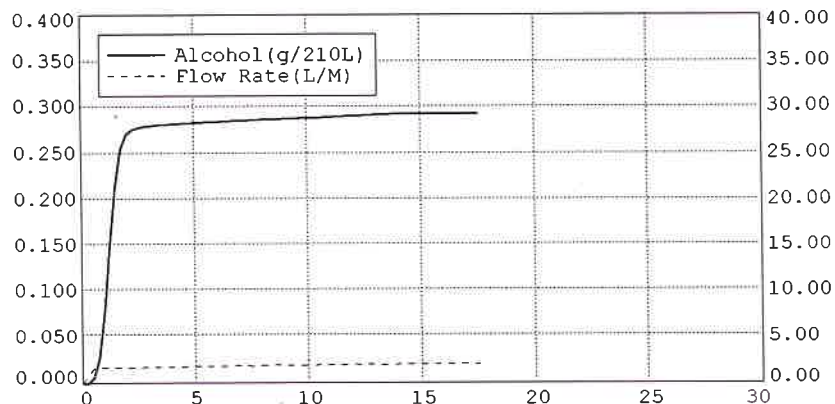
Date: 06/26/2025
Time: 15:00:12

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.52: 0.296
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 231 psi

BLANK TEST	0.000	15:01
INTERNAL STANDARD	VERIFIED	15:01
EXTERNAL STANDARD	0.290	15:01
BLANK TEST	0.000	15:02
EXTERNAL STANDARD	0.289	15:03
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.290	15:04
BLANK TEST	0.000	15:05
EXTERNAL STANDARD	0.290	15:05
BLANK TEST	0.000	15:06
EXTERNAL STANDARD	0.289	15:06
BLANK TEST	0.000	15:07

Average = 0.2896
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 06/26/2025
Time: 15:12:51

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080	PASSED	15:13
TARGET AT 29.52: 0.079	0.000	15:13
LOT #: AG335202	VERIFIED	15:14
EXPIRATION: 12/18/2025		
INTERNAL STANDARD		
Xq = 0.093 (0.38%)	0.079	15:14
EXTERNAL STANDARD		
X[1] = 0.0787 (-0.0007)	(0.0018)	15:15
INTERNAL STANDARD		
Xq = 0.000	0.000	15:15
EXTERNAL STANDARD		
X[1] = 0.0000 (0.0000)	(0.0000)	15:16
INTERNAL STANDARD		
X[1] = 0.0788 (0.0001)	(0.0016)	15:16
EXTERNAL STANDARD		
X[1] = 0.000	0.000	15:17

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