

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100687

Analyst/Technician(s): Kaja Swisher

Start Date: 11/18/25

Date Instrument Received: 11/17/25

Reason for instrument evaluation

Internal Standard errors during VOC

### Visual Inspection:

- |                                                                                               |                                                                       |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Clean                                                     | <input checked="" type="checkbox"/> Replace missing screws            |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure                            | <input checked="" type="checkbox"/> Ensure modem cable present        |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall                        | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag |                                                                       |
| <input checked="" type="checkbox"/> Attach VOC                                                | <input type="checkbox"/> VOC Internal Standard $\leq 3.00\%$          |
| <input checked="" type="checkbox"/> 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): 29.39 Temperature (C): 20.9 Relative Humidity (%) 16

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

Notes: Internal Standard greater than 3%. Recommend adjustment

☒ Attach Non-Drinking Subject Test

### Conclusion:

- |                                                          |                                       |
|----------------------------------------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> Ready for Adjustment | <input type="checkbox"/> Needs Repair |
| <input type="checkbox"/> Ready for Calibration           |                                       |

Lab Work End Date: 11/18/25

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Approved by: Chemistry Supervisor

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100687

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/18/2025

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.36: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 1117 psi

|                                  |          |       |
|----------------------------------|----------|-------|
| BLANK TEST                       | 0.000    | 08:46 |
| INTERNAL STANDARD                | VERIFIED | 08:47 |
| Xq = 0.094 (3.50%)               |          |       |
| EXTERNAL STANDARD                | 0.077    | 08:47 |
| X[1] = 0.0771 (-0.0018) (0.0016) |          |       |
| BLANK TEST                       | 0.000    | 08:48 |
| EXTERNAL STANDARD                | 0.078    | 08:48 |
| X[1] = 0.0776 (-0.0012) (0.0008) |          |       |
| BLANK TEST                       | 0.000    | 08:49 |
| EXTERNAL STANDARD                | 0.078    | 08:49 |
| X[1] = 0.0778 (-0.0007) (0.0011) |          |       |
| BLANK TEST                       | 0.000    | 08:50 |
| EXTERNAL STANDARD                | 0.077    | 08:50 |
| X[1] = 0.0774 (-0.0017) (0.0009) |          |       |
| BLANK TEST                       | 0.000    | 08:51 |
| EXTERNAL STANDARD                | 0.077    | 08:51 |
| X[1] = 0.0773 (-0.0016) (0.0005) |          |       |
| BLANK TEST                       | 0.000    | 08:52 |

Average = 0.0774  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

|                         |        |
|-------------------------|--------|
| Sample Chamber = 49.7°C | PASSED |
| (44.0°C - 52.0°C)       |        |
| Breath Tube = 44.5°C    | PASSED |
| (38.0°C - 50.0°C)       |        |

### SETTINGS

|                         |        |
|-------------------------|--------|
| Lamp Voltage = 1.56 V   | PASSED |
| (0.94 V - 2.18 V)       |        |
| Cooler Voltage = 1.56 V | PASSED |
| (0.94 V - 2.18 V)       |        |
| Bias Voltage = 80 V     | PASSED |
| (48 V - 112 V)          |        |
| Chopper Freq = 536 Hz   | PASSED |
| (475 Hz - 575 Hz)       |        |
| Barometer = 29.4 in     |        |

### PUMP INFO

|                         |        |
|-------------------------|--------|
| Flow Rate = 4.484 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                | PASSED |
| Xq = 0.094 3.14% (0.00% - 4.00%) |        |

LINEARITY CHECK

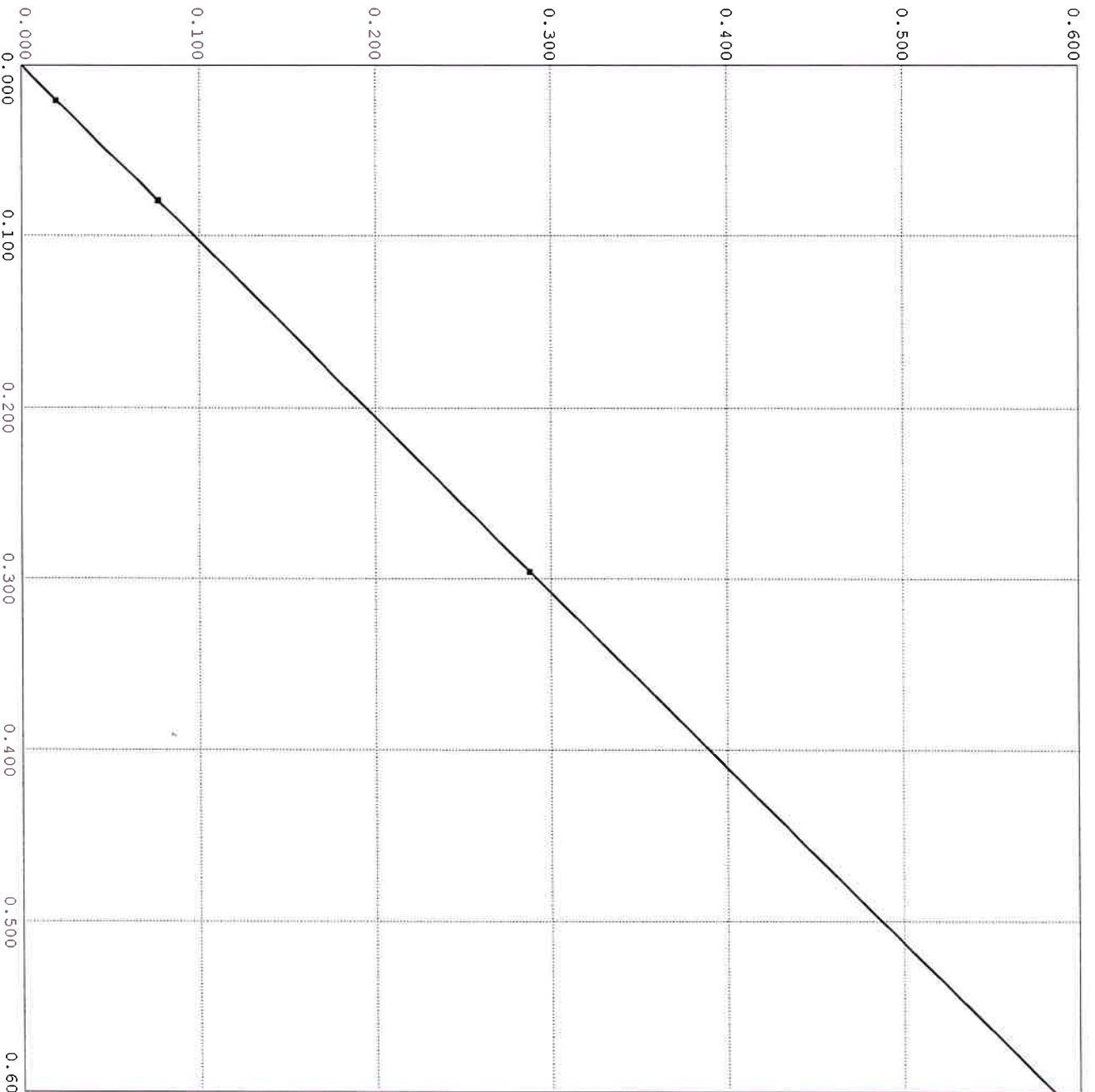
Alaska Department of Public Safety  
DATAMASTER dmt: 100687

Date: 11/18/2025  
Time: 09:02:28

SUPERVISOR NAME:  
KAIJA SWISHER  
OPERATOR'S #: 10746

| TARGET | AVERAGE | STD. DEV. |
|--------|---------|-----------|
| 0.020  | 0.0200  | 0.0000    |
| 0.079  | 0.0778  | 0.0004    |
| 0.295  | 0.2886  | 0.0005    |

SLOPE = 0.976511  
 $R^2$  = 1.000000



# LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
DATAMASTER dmt: 100687

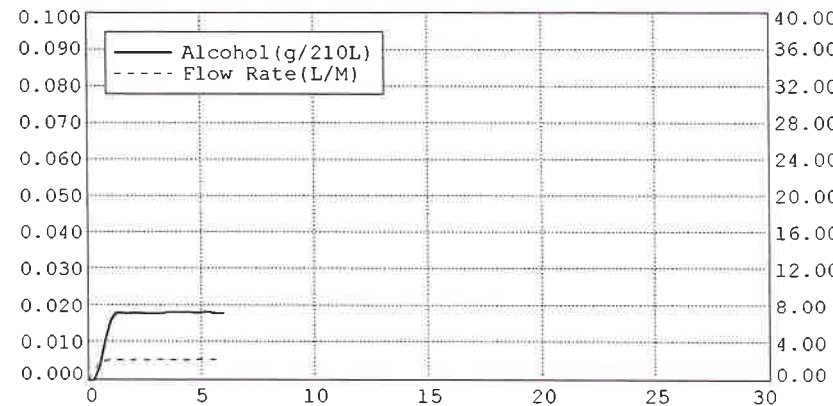
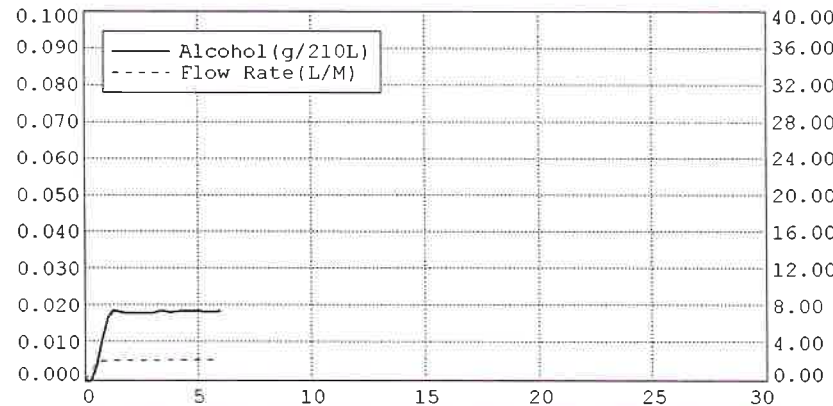
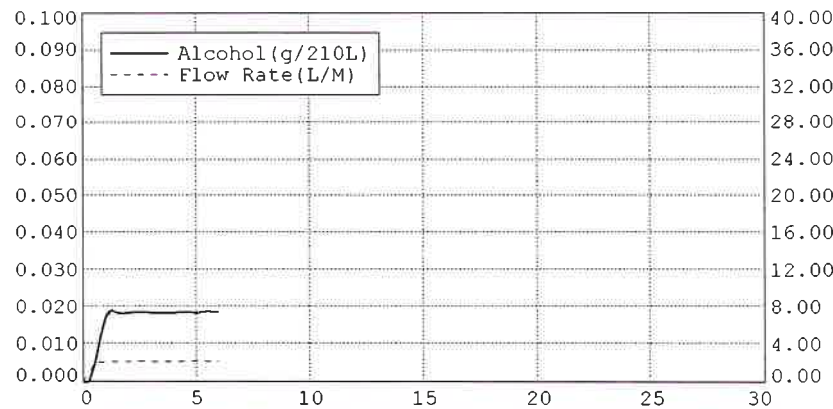
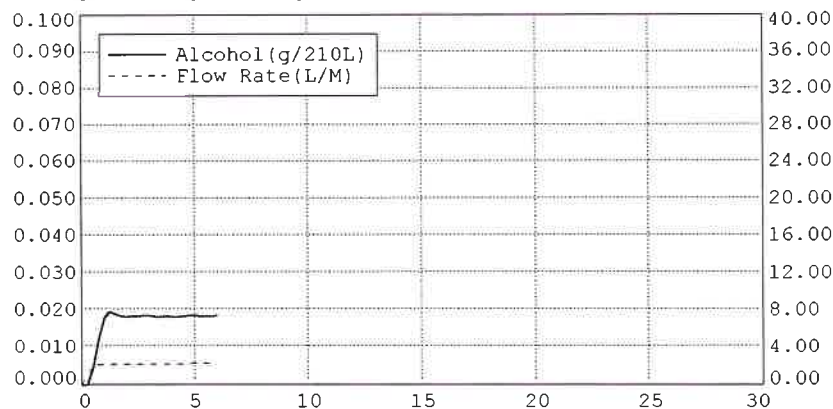
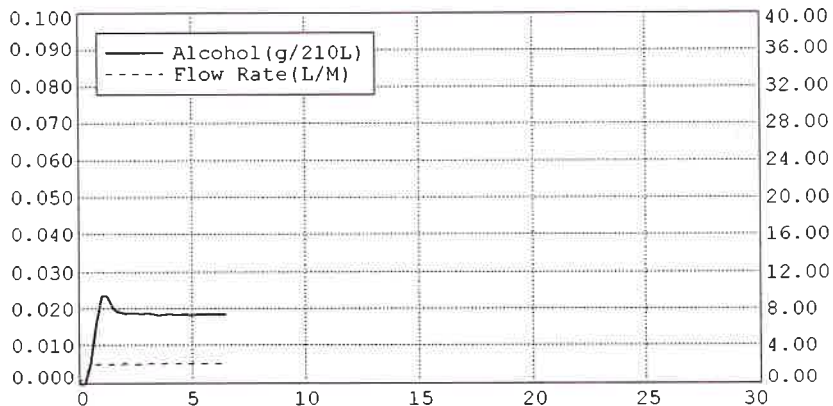
Date: 11/18/2025  
Time: 09:02:30

## EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
TARGET AT 29.38: 0.020  
LOT #: AG408002  
EXPIRATION: 03/20/2026  
TANK PRESSURE: 870 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 09:03 |
| INTERNAL STANDARD | VERIFIED | 09:03 |
| EXTERNAL STANDARD | 0.020    | 09:04 |
| BLANK TEST        | 0.000    | 09:04 |
| EXTERNAL STANDARD | 0.020    | 09:05 |
| BLANK TEST        | 0.000    | 09:06 |
| EXTERNAL STANDARD | 0.020    | 09:06 |
| BLANK TEST        | 0.000    | 09:07 |
| EXTERNAL STANDARD | 0.020    | 09:07 |
| BLANK TEST        | 0.000    | 09:08 |
| EXTERNAL STANDARD | 0.020    | 09:08 |
| BLANK TEST        | 0.000    | 09:09 |

Average = 0.0200  
Std Dev = 0.0000



# LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
DATAMASTER dmt: 100687

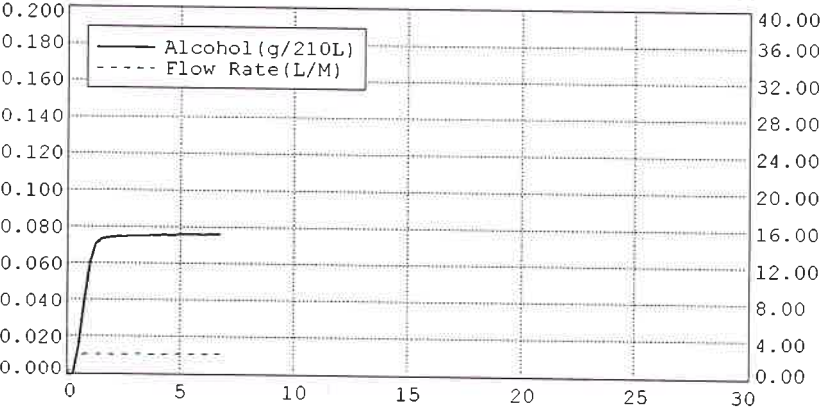
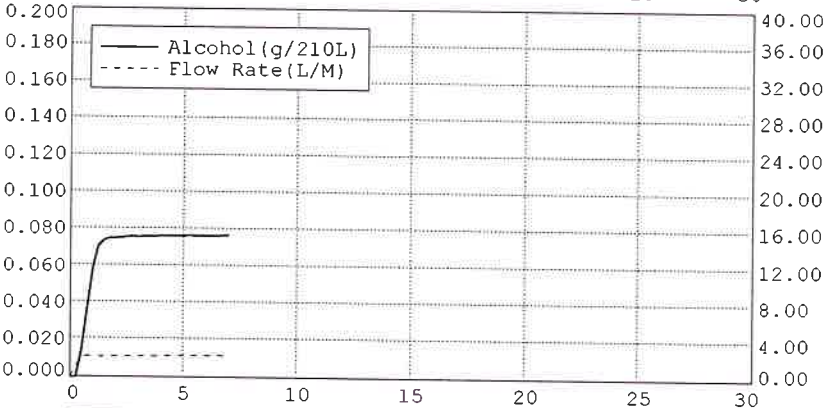
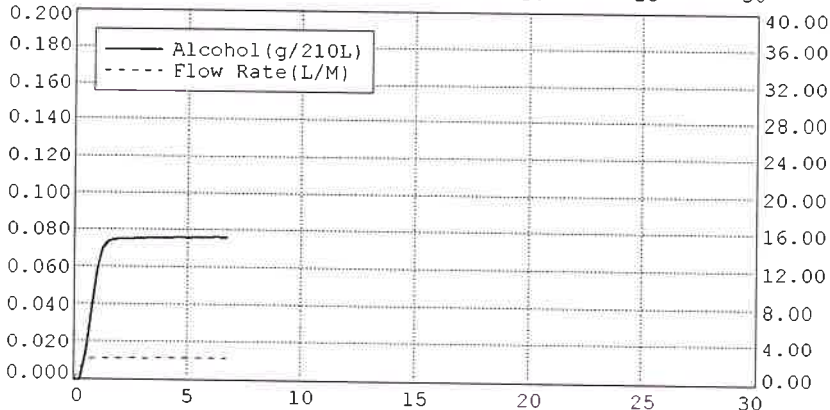
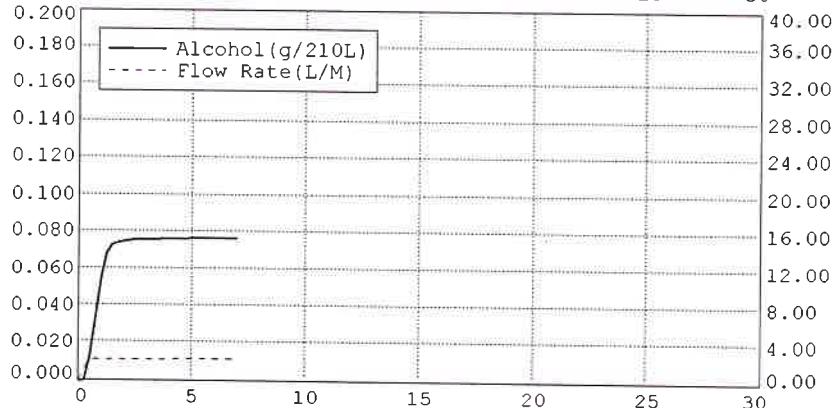
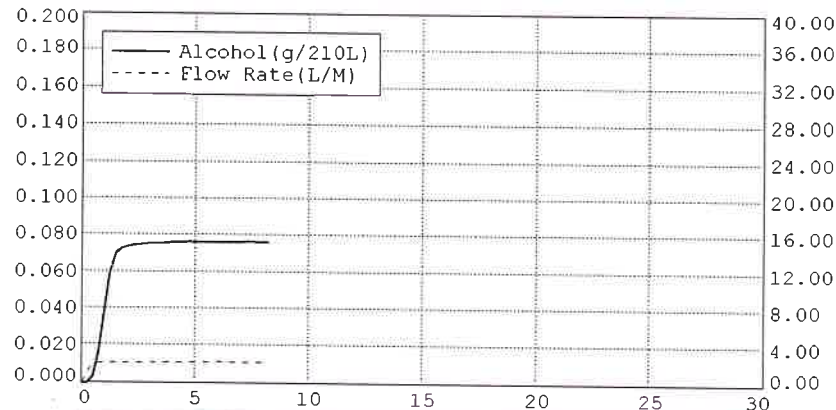
Date: 11/18/2025  
Time: 09:09:57

## EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.37: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 1091 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 09:11 |
| INTERNAL STANDARD | VERIFIED | 09:11 |
| EXTERNAL STANDARD | 0.078    | 09:11 |
| BLANK TEST        | 0.000    | 09:12 |
| EXTERNAL STANDARD | 0.078    | 09:12 |
| BLANK TEST        | 0.000    | 09:13 |
| EXTERNAL STANDARD | 0.077    | 09:13 |
| BLANK TEST        | 0.000    | 09:14 |
| EXTERNAL STANDARD | 0.078    | 09:14 |
| BLANK TEST        | 0.000    | 09:15 |
| EXTERNAL STANDARD | 0.078    | 09:16 |
| BLANK TEST        | 0.000    | 09:16 |

Average = 0.0778  
Std Dev = 0.0004



# LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
DATAMASTER dmt: 100687

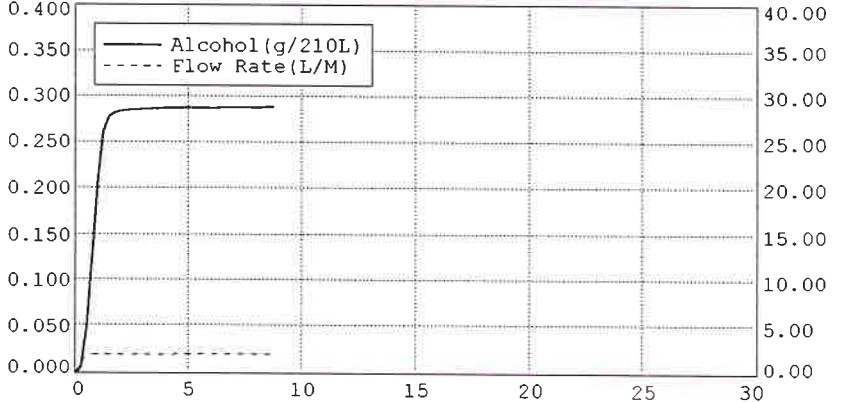
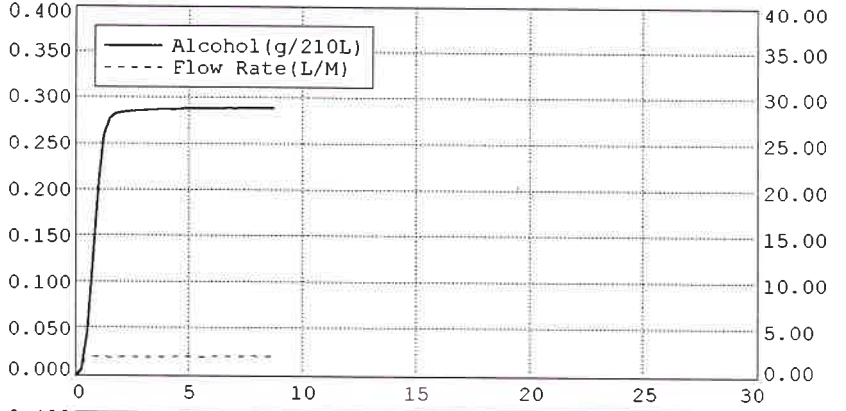
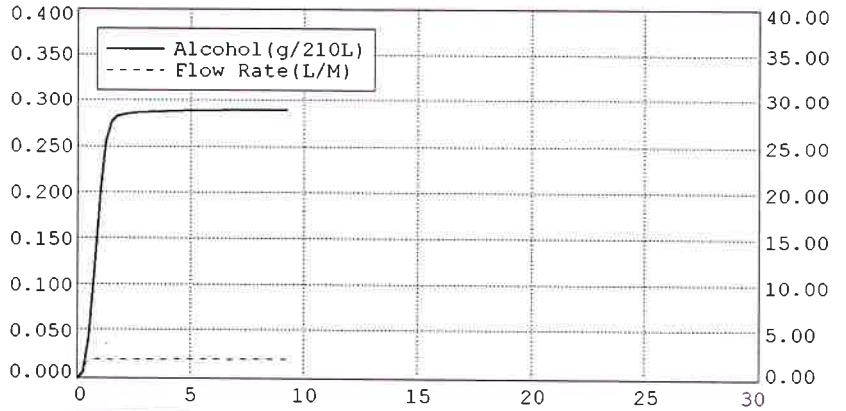
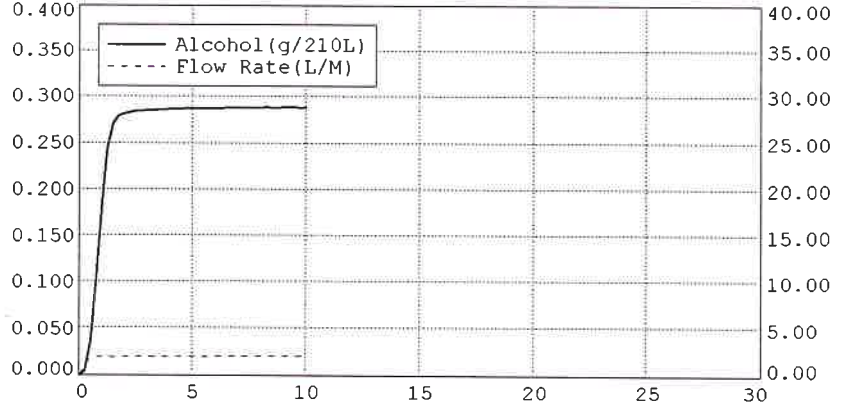
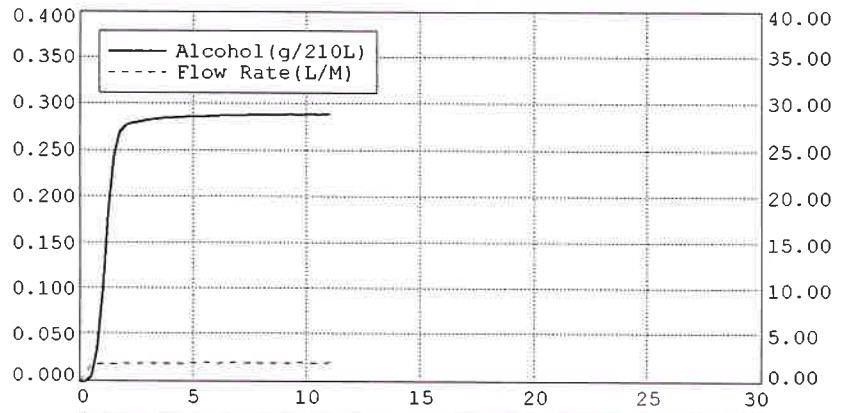
Date: 11/18/2025  
Time: 09:28:36

## EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300  
TARGET AT 29.38: 0.295  
LOT #: AG427706  
EXPIRATION: 10/03/2026  
TANK PRESSURE: 314 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 09:29 |
| INTERNAL STANDARD | VERIFIED | 09:29 |
| EXTERNAL STANDARD | 0.289    | 09:30 |
| BLANK TEST        | 0.000    | 09:31 |
| EXTERNAL STANDARD | 0.288    | 09:31 |
| BLANK TEST        | 0.000    | 09:32 |
| EXTERNAL STANDARD | 0.288    | 09:32 |
| BLANK TEST        | 0.000    | 09:33 |
| EXTERNAL STANDARD | 0.289    | 09:33 |
| BLANK TEST        | 0.000    | 09:34 |
| EXTERNAL STANDARD | 0.289    | 09:34 |
| BLANK TEST        | 0.000    | 09:35 |

Average = 0.2886  
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety  
DATA MASTER dmt: 100687

Date: 11/18/2025  
Time: 09:43:50

SUBJECT NAME:  
TEST TEST  
LICENSE #: 10746

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 29.38: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025

| DIAGNOSTIC CHECK           | PASSED   | 09:44 |
|----------------------------|----------|-------|
| BLANK TEST                 | 0.000    | 09:44 |
| INTERNAL STANDARD          | VERIFIED | 09:45 |
| EXTERNAL STANDARD          | 0.078    | 09:45 |
| BLANK TEST                 | 0.000    | 09:46 |
| SUBJECT SAMPLE (Vol=1.66L) | 0.000    | 09:46 |
| BLANK TEST                 | 0.000    | 09:47 |
| EXTERNAL STANDARD          | 0.079    | 09:47 |
| BLANK TEST                 | 0.000    | 09:48 |

