

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100681

Analyst/Technician(s): Kaia Swisher

Start Date: 11/17/25

Date Instrument Received: 11/17/25

Reason for instrument evaluation

Preventative maintenance

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): 29.38 Temperature (C): 20.8 Relative Humidity (%) 16

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: 11/18/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100681

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/17/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.09: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 178 psi

BLANK TEST	0.000	14:39
INTERNAL STANDARD	VERIFIED	14:39
Xq = 0.107 (0.50%)		
EXTERNAL STANDARD	0.077	14:39
X[1] = 0.0769 (-0.0023) (-0.0005)		
BLANK TEST	0.000	14:40
EXTERNAL STANDARD	0.076	14:40
X[1] = 0.0763 (-0.0031) (-0.0001)		
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.076	14:41
X[1] = 0.0761 (-0.0028) (-0.0001)		
BLANK TEST	0.000	14:42
EXTERNAL STANDARD	0.077	14:42
X[1] = 0.0766 (-0.0025) (0.0003)		
BLANK TEST	0.000	14:43
EXTERNAL STANDARD	0.077	14:43
X[1] = 0.0771 (-0.0020) (0.0002)		
BLANK TEST	0.000	14:44

Average = 0.0766
Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.67 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.58 V	PASSED
(0.92 V - 2.14 V)	
Bias Voltage = 78 V	PASSED
(47 V - 109 V)	
Chopper Freq = 512 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.318 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 = 0.107	0.08%	(0.00% - 4.00%)	PASSED
------------	-------	-----------------	--------

LINEARITY CHECK

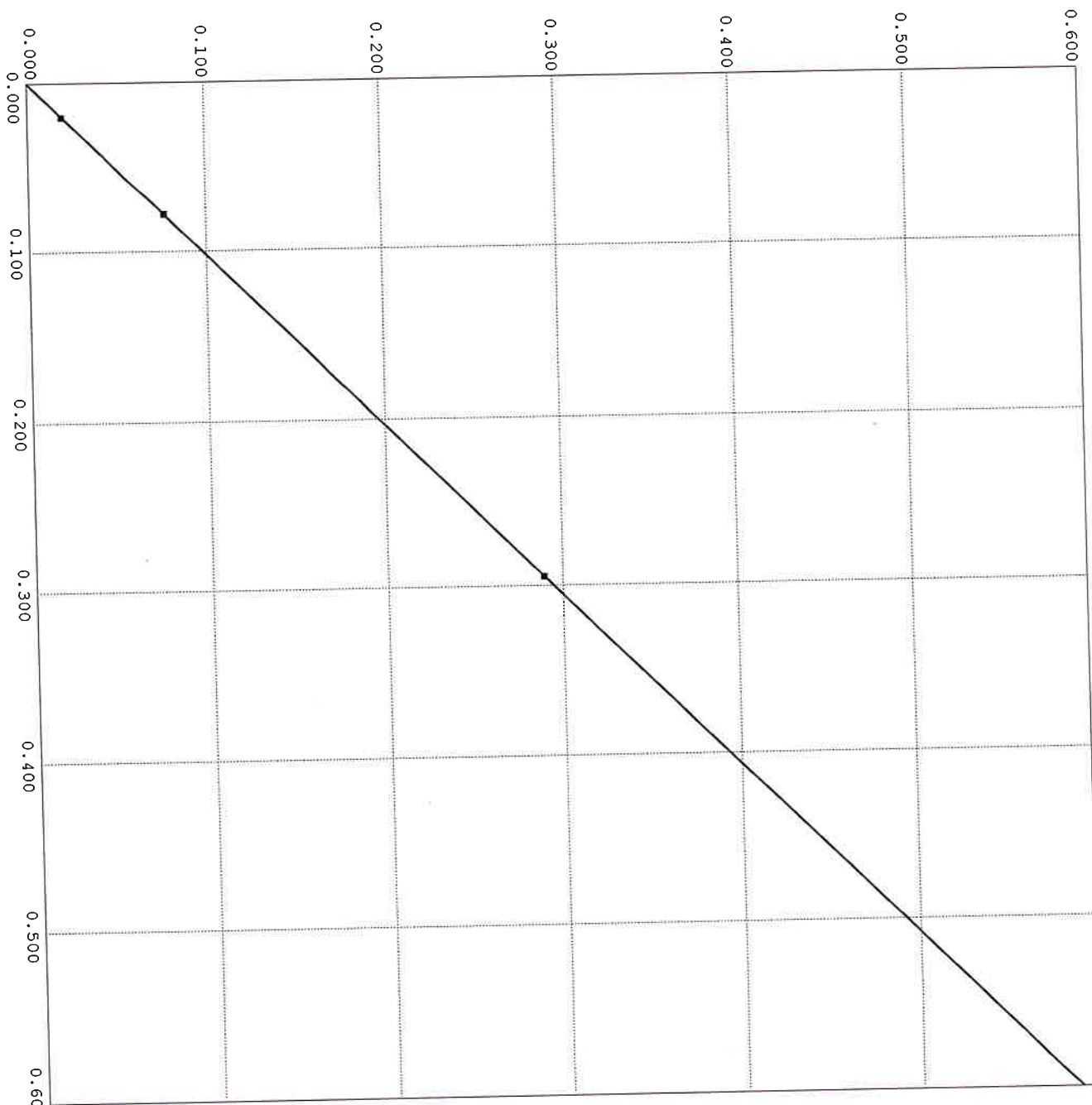
Alaska Department of Public Safety
 DATAMASTER dnt: 100681

Date: 11/18/2025
 Time: 08:30:35

SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0198	0.0004
0.078	0.0772	0.0004
0.294	0.2900	0.0007

SLOPE = 0.985873
 R^2 = 0.999999



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100681

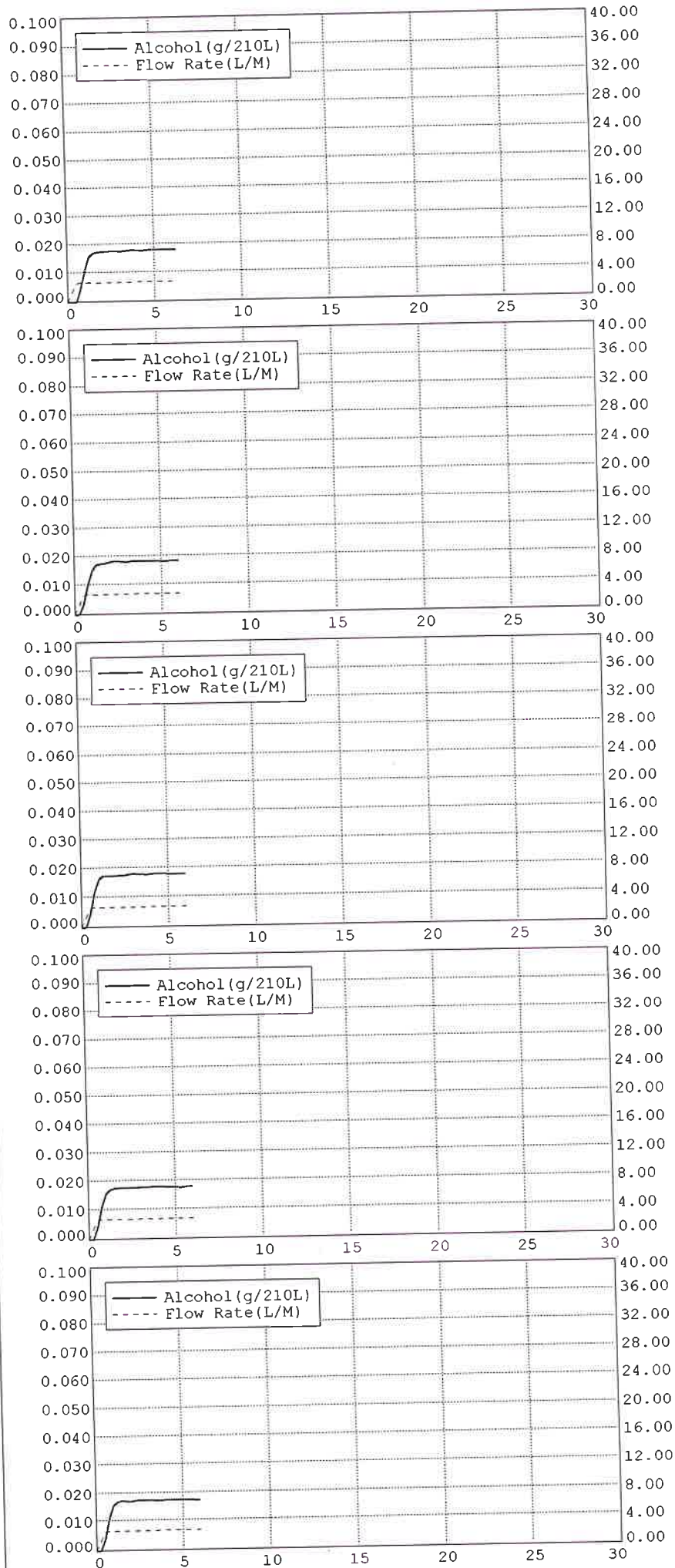
Date: 11/18/2025
Time: 08:30:37

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.35: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 889 psi

TEST TYPE	CONCENTRATION (g/210L)	TIME
BLANK TEST	0.000	08:31
INTERNAL STANDARD	VERIFIED	08:32
EXTERNAL STANDARD	0.020	08:32
BLANK TEST	0.000	08:33
EXTERNAL STANDARD	0.020	08:33
BLANK TEST	0.000	08:34
EXTERNAL STANDARD	0.020	08:34
BLANK TEST	0.000	08:35
EXTERNAL STANDARD	0.020	08:35
BLANK TEST	0.000	08:36
EXTERNAL STANDARD	0.019	08:36
BLANK TEST	0.000	08:37

Average = 0.0198
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100681

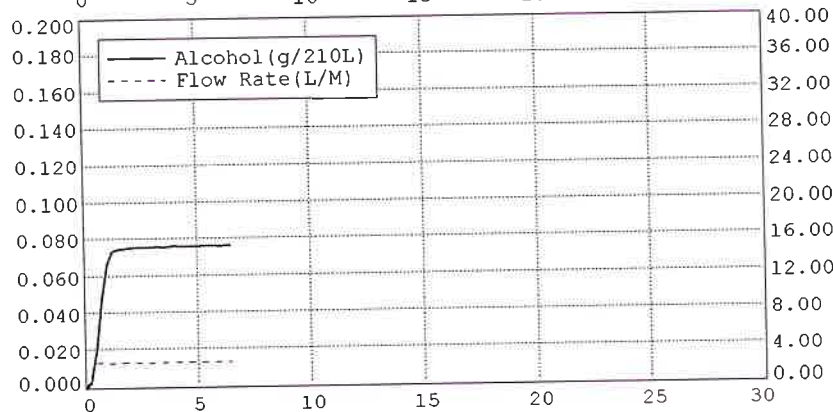
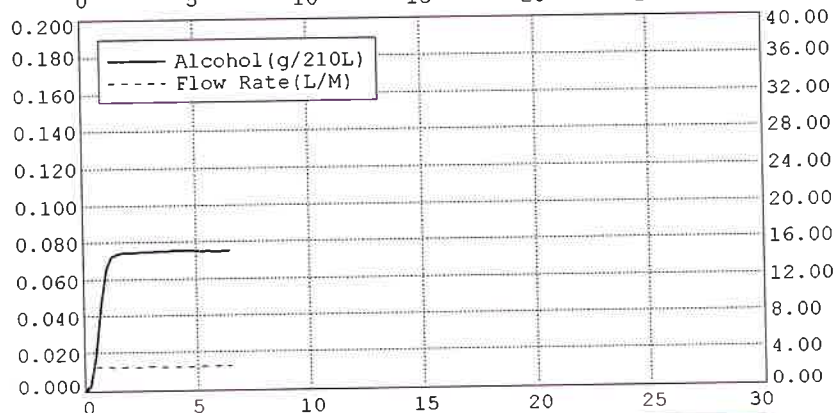
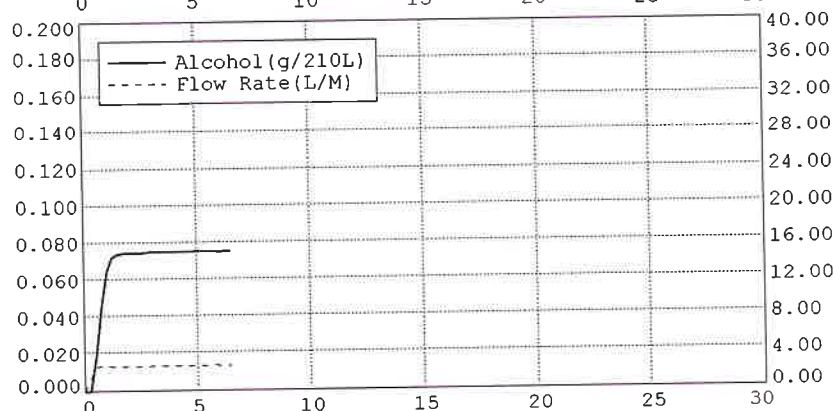
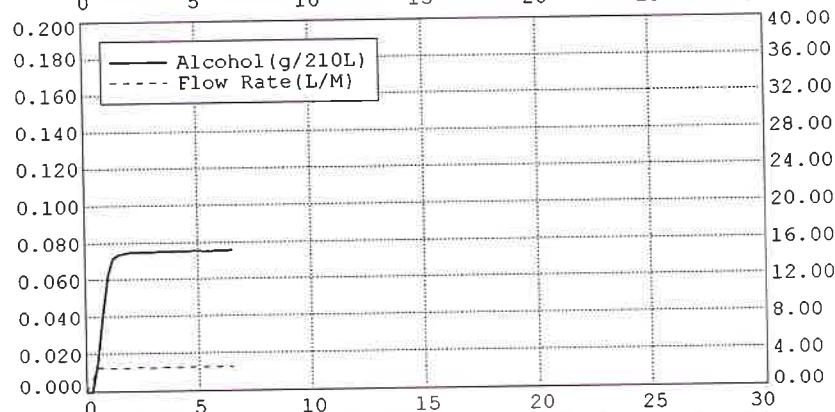
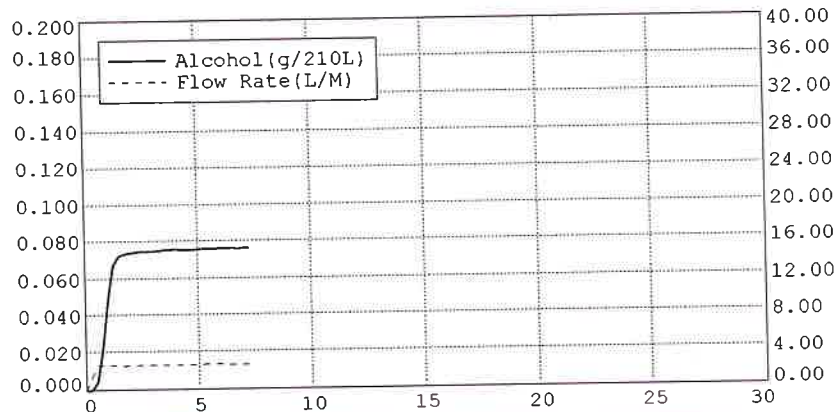
Date: 11/18/2025
Time: 08:39:07

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.34: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 159 psi

BLANK TEST	0.000	08:40
INTERNAL STANDARD	VERIFIED	08:40
EXTERNAL STANDARD	0.077	08:40
BLANK TEST	0.000	08:41
EXTERNAL STANDARD	0.077	08:41
BLANK TEST	0.000	08:42
EXTERNAL STANDARD	0.077	08:43
BLANK TEST	0.000	08:43
EXTERNAL STANDARD	0.077	08:44
BLANK TEST	0.000	08:45
EXTERNAL STANDARD	0.078	08:45
BLANK TEST	0.000	08:46

Average = 0.0772
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100681

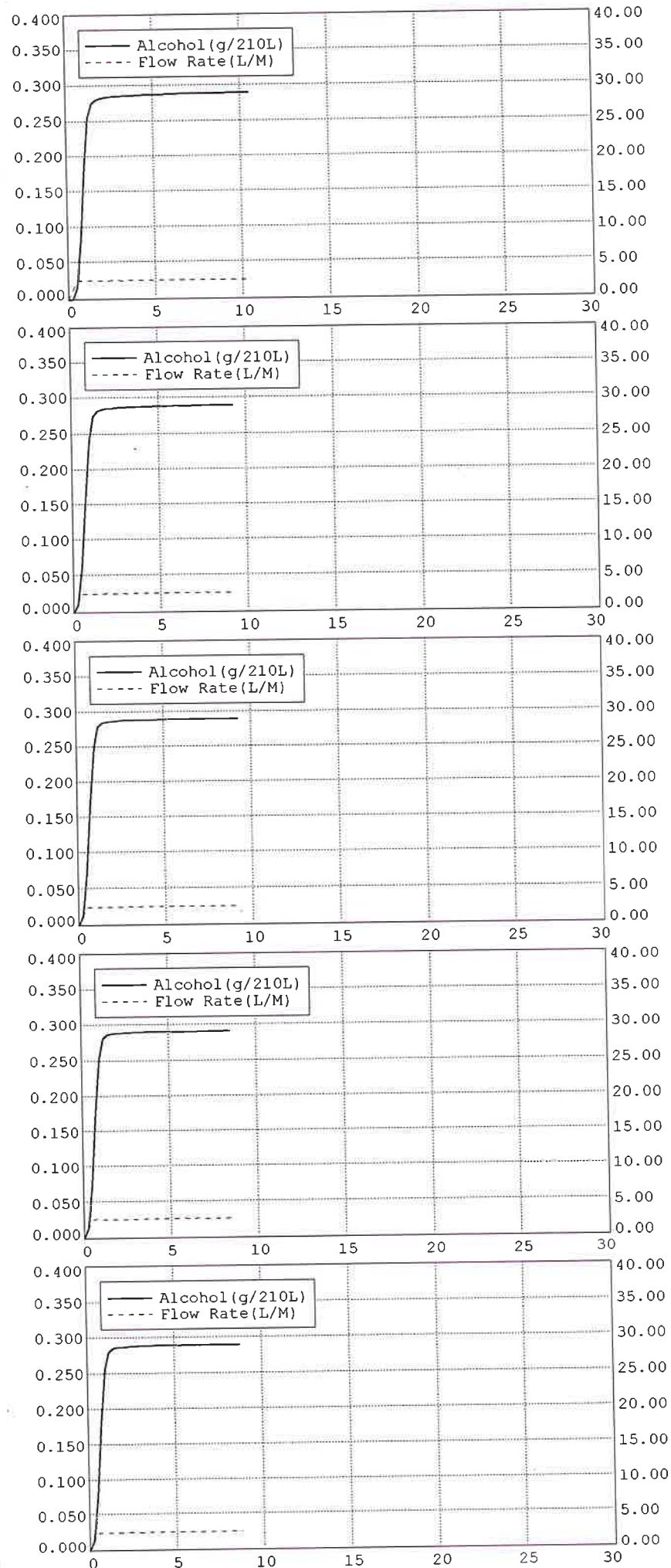
Date: 11/18/2025
Time: 08:55:37

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.35: 0.294
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 341 psi

BLANK TEST	0.000	08:57
INTERNAL STANDARD	VERIFIED	08:57
EXTERNAL STANDARD	0.289	08:57
BLANK TEST	0.000	08:58
EXTERNAL STANDARD	0.290	08:58
BLANK TEST	0.000	08:59
EXTERNAL STANDARD	0.290	08:59
BLANK TEST	0.000	09:00
EXTERNAL STANDARD	0.290	09:00
BLANK TEST	0.000	09:01
EXTERNAL STANDARD	0.291	09:02
BLANK TEST	0.000	09:02

Average = 0.2900
Std Dev = 0.0007



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100681

Date: 11/18/2025
Time: 09:06:18

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KALIA SWISHER
OPERATOR'S #: 10746

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.35: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	09:07
BLANK TEST	0.000	09:07
INTERNAL STANDARD	VERIFIED	09:07
EXTERNAL STANDARD	0.079	09:07
BLANK TEST	0.000	09:08
SUBJECT SAMPLE (Vol=2.51L)	0.000	09:09
BLANK TEST	0.000	09:09
EXTERNAL STANDARD	0.078	09:10
BLANK TEST	0.000	09:11

