

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100379

Analyst/Technician(s): Carlisle Glaister

Start Date: 7/3/25

Date Instrument Received: 7/3/25

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): 29.80 Temperature (C): 21.5 Relative Humidity (%): 38

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

Notes: Replaced broken breath hose clip. Unable to provide breath sample for non-drinking. Subject test. Potential issue w/ the 5 way valve

☒ Attach Non-Drinking Subject Test

Conclusion:

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

Lab Work End Date: 7/3/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100379

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/03/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.78: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 418 psi

BLANK TEST	0.000	15:10
INTERNAL STANDARD	VERIFIED	15:10
Xq = 0.096 (0.27%)		
EXTERNAL STANDARD	0.078	15:10
X[1] = 0.0778 (0.0007) (-0.0023)		
BLANK TEST	0.000	15:11
EXTERNAL STANDARD	0.078	15:11
X[1] = 0.0776 (0.0002) (-0.0016)		
BLANK TEST	0.000	15:12
EXTERNAL STANDARD	0.078	15:12
X[1] = 0.0777 (0.0015) (-0.0018)		
BLANK TEST	0.000	15:13
EXTERNAL STANDARD	0.078	15:14
X[1] = 0.0778 (0.0010) (-0.0008)		
BLANK TEST	0.000	15:14
EXTERNAL STANDARD	0.078	15:15
X[1] = 0.0776 (0.0004) (-0.0010)		
BLANK TEST	0.000	15:16

Average = 0.0780
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.57 V	PASSED
(0.96 V - 2.24 V)	
Cooler Voltage = 1.50 V	PASSED
(0.95 V - 2.21 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 509 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.442 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.003 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
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Xq = 0.096 0.00% (0.00% - 4.00%)

LINEARITY CHECK

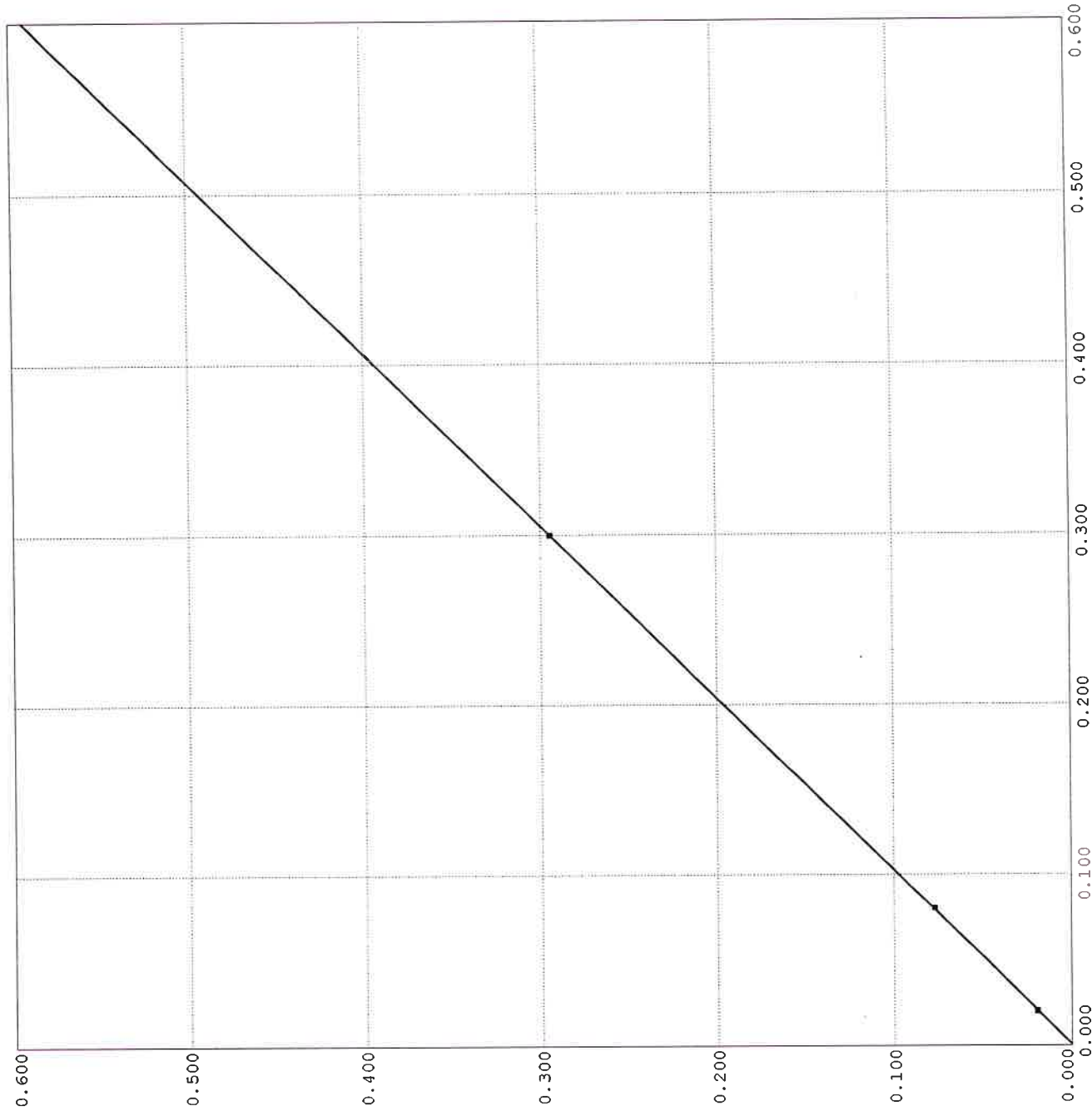
Alaska Department of Public Safety
DATA MASTER dmt: 100379

Date: 07/03/2025
Time: 15:17:37

SUPERVISOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.080	0.0780	0.0000
0.299	0.2954	0.0005

SLOPE = 0.988603
R² = 0.999979



CVG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100379

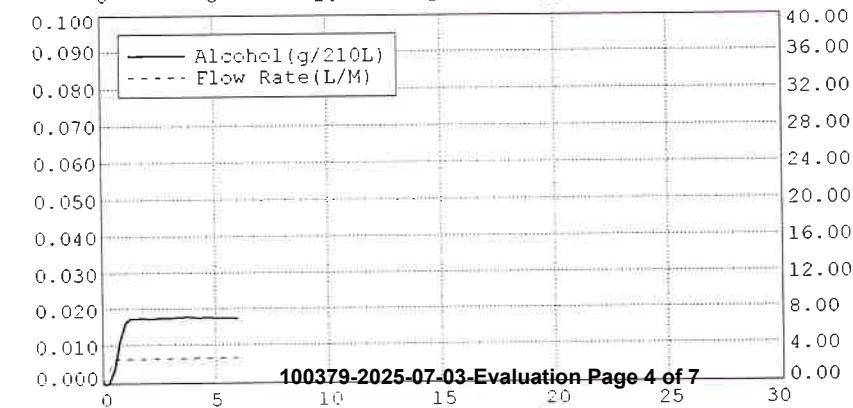
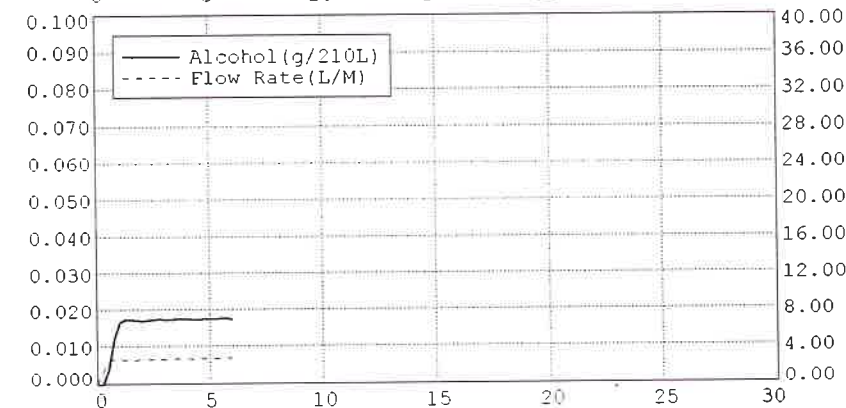
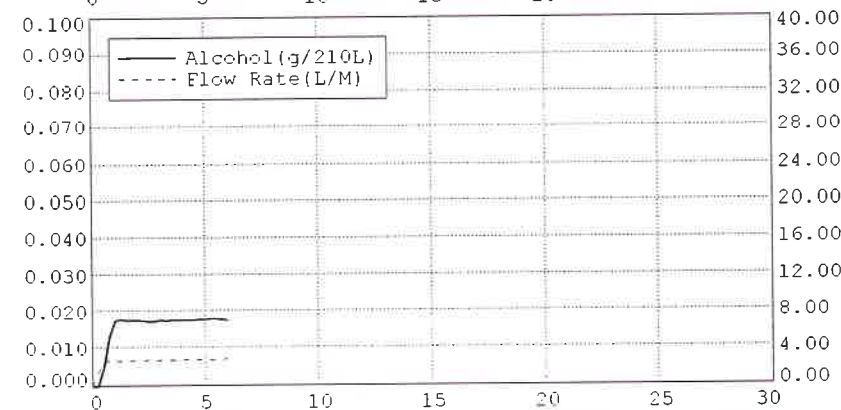
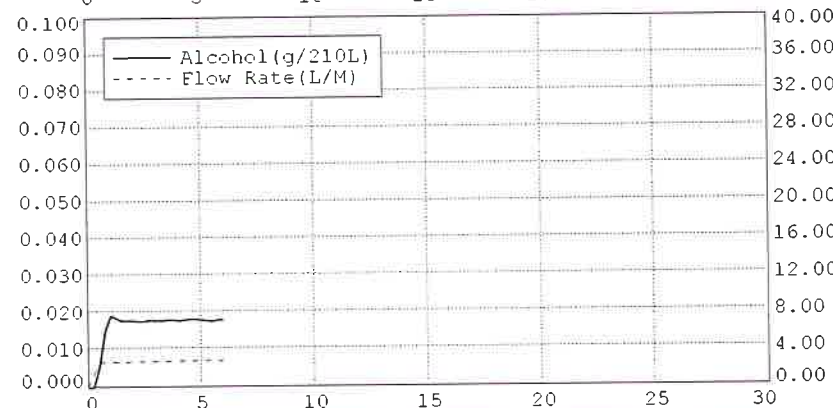
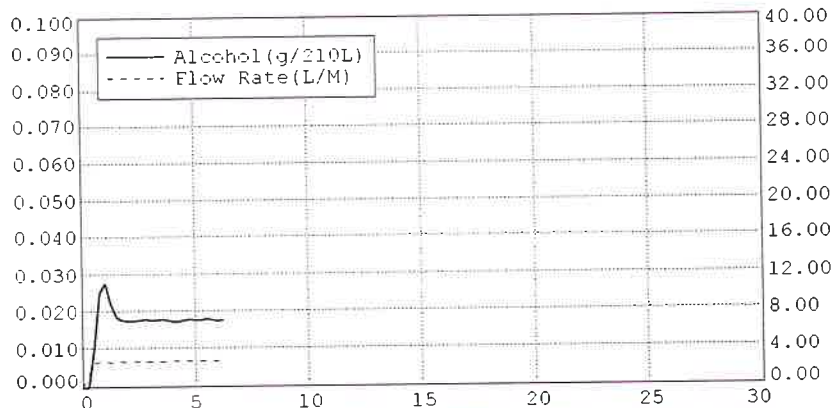
Date: 07/03/2025
Time: 15:17:39

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.77: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 578 psi

BLANK TEST	0.000	15:18
INTERNAL STANDARD	VERIFIED	15:19
EXTERNAL STANDARD	0.020	15:19
BLANK TEST	0.000	15:20
EXTERNAL STANDARD	0.020	15:20
BLANK TEST	0.000	15:21
EXTERNAL STANDARD	0.020	15:21
BLANK TEST	0.000	15:22
EXTERNAL STANDARD	0.020	15:22
BLANK TEST	0.000	15:23
EXTERNAL STANDARD	0.020	15:23
BLANK TEST	0.000	15:24

Average = 0.0200
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100379

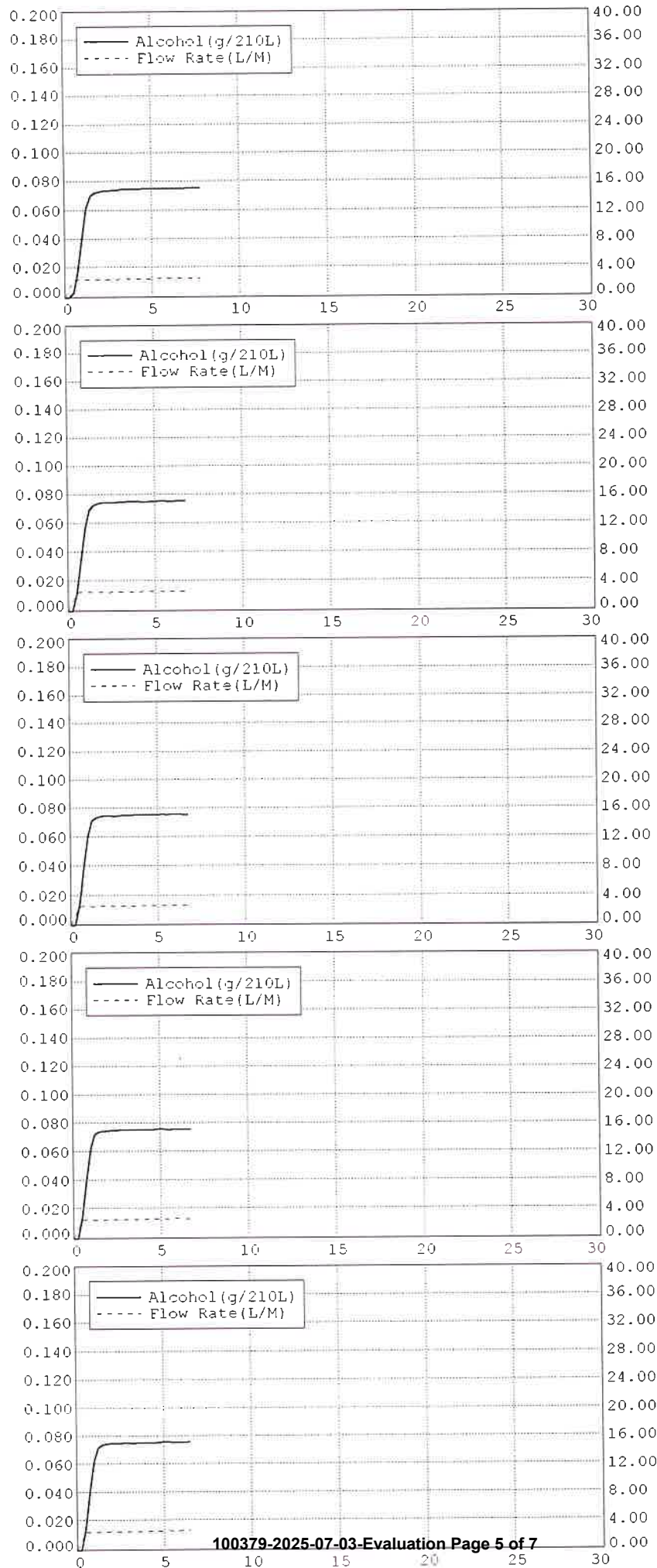
Date: 07/03/2025
Time: 15:26:05

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.77: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 401 psi

BLANK TEST	0.000	15:27
INTERNAL STANDARD	VERIFIED	15:27
EXTERNAL STANDARD	0.078	15:27
BLANK TEST	0.000	15:28
EXTERNAL STANDARD	0.078	15:28
BLANK TEST	0.000	15:29
EXTERNAL STANDARD	0.078	15:29
BLANK TEST	0.000	15:30
EXTERNAL STANDARD	0.078	15:30
BLANK TEST	0.000	15:31
EXTERNAL STANDARD	0.078	15:31
BLANK TEST	0.000	15:32

Average = 0.0780
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100379

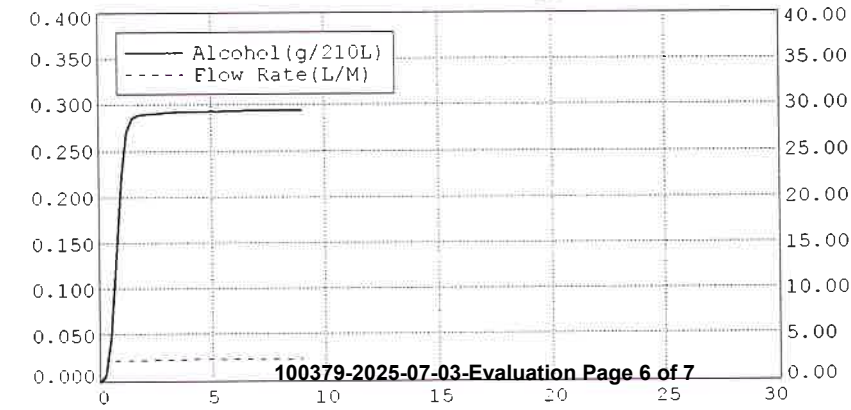
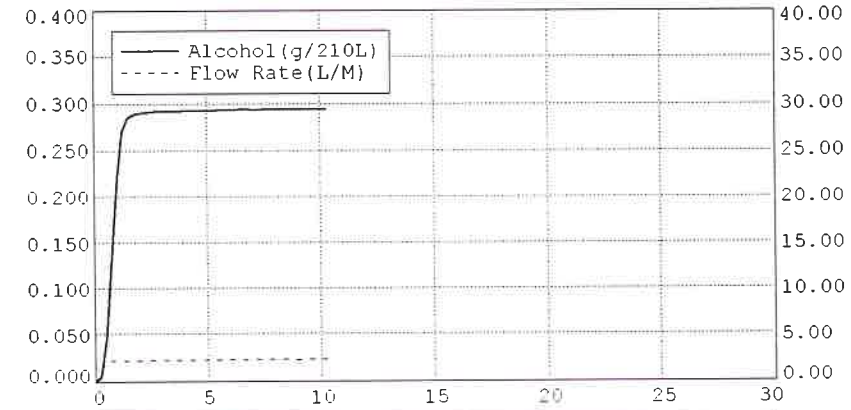
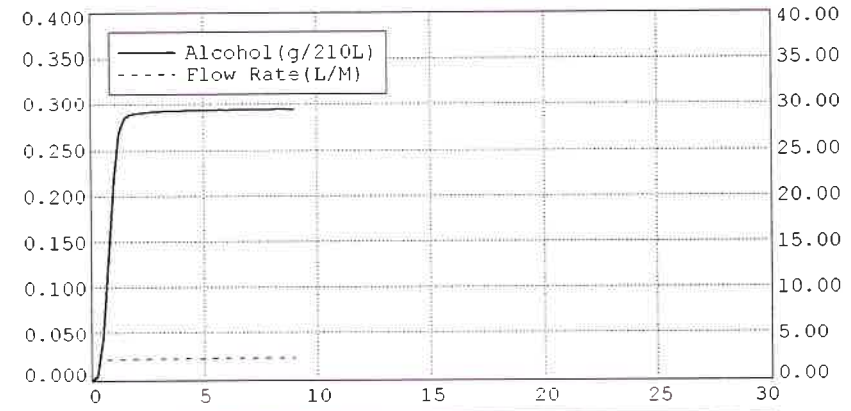
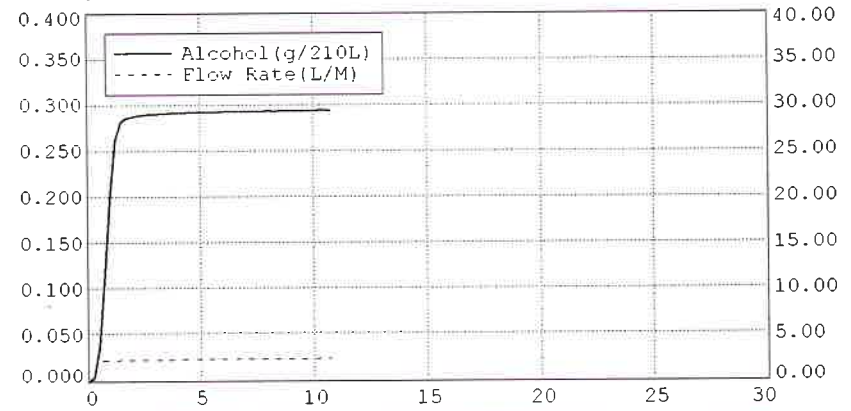
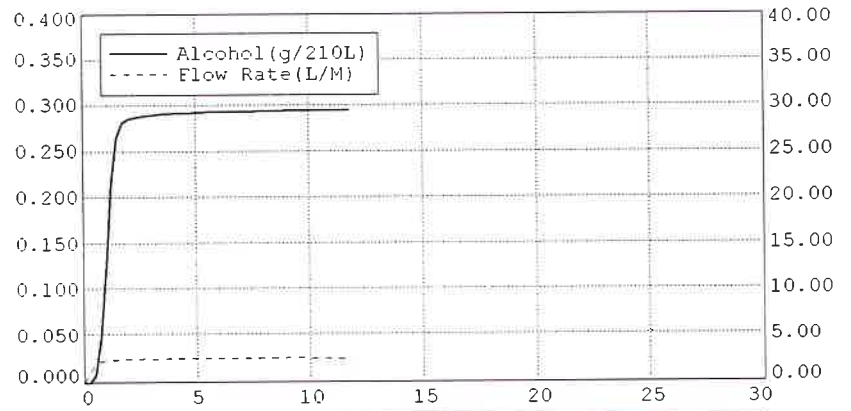
Date: 07/03/2025
Time: 15:33:28

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.77: 0.299
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 124 psi

BLANK TEST	0.000	15:34
INTERNAL STANDARD	VERIFIED	15:34
EXTERNAL STANDARD	0.296	15:35
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.295	15:36
BLANK TEST	0.000	15:37
EXTERNAL STANDARD	0.295	15:37
BLANK TEST	0.000	15:38
EXTERNAL STANDARD	0.296	15:38
BLANK TEST	0.000	15:39
EXTERNAL STANDARD	0.295	15:39
BLANK TEST	0.000	15:40

Average = 0.2954
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100379

Date: 07/03/2025
Time: 15:43:57

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.78: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	15:44
BLANK TEST	0.000	15:45
INTERNAL STANDARD	VERIFIED	15:45
EXTERNAL STANDARD	0.079	15:45
BLANK TEST	0.000	15:46
SUBJECT SAMPLE	INCOMPLETE	15:48

CXG

