

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100397

Analyst/Technician(s): C. O. Bryant

Start Date: 9/10/25

Date Instrument Received: 9/10/25

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): 29.06 Temperature (C): 21.2 Relative Humidity (%) 45

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: 9/11/25

Page 1 of 1

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100397

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/10/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.04: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 182 psi

BLANK TEST	0.000	11:58
INTERNAL STANDARD	VERIFIED	11:58
Xq = 0.093 (1.67%)		
EXTERNAL STANDARD	0.075	11:58
X[1] = 0.0753 (-0.0009) (0.0015)		
BLANK TEST	0.000	11:59
EXTERNAL STANDARD	0.076	11:59
X[1] = 0.0759 (-0.0005) (0.0016)		
BLANK TEST	0.000	12:00
EXTERNAL STANDARD	0.077	12:00
X[1] = 0.0766 (0.0010) (0.0025)		
BLANK TEST	0.000	12:01
EXTERNAL STANDARD	0.076	12:02
X[1] = 0.0759 (0.0004) (-0.0004)		
BLANK TEST	0.000	12:02
EXTERNAL STANDARD	0.077	12:03
X[1] = 0.0769 (0.0018) (0.0034)		
BLANK TEST	0.000	12:04

Average = 0.0762
Std Dev = 0.0008

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 = 44.7°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.74 V	PASSED
(1.01 V - 2.37 V)	
Cooler Voltage = 1.66 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 81 V	PASSED
(49 V - 113 V)	
Chopper Freq = 503 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.0 in	

PUMP INFO

Flow Rate = 4.228 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 1.85%	PASSED
(0.00% - 4.00%)	

LINEARITY CHECK

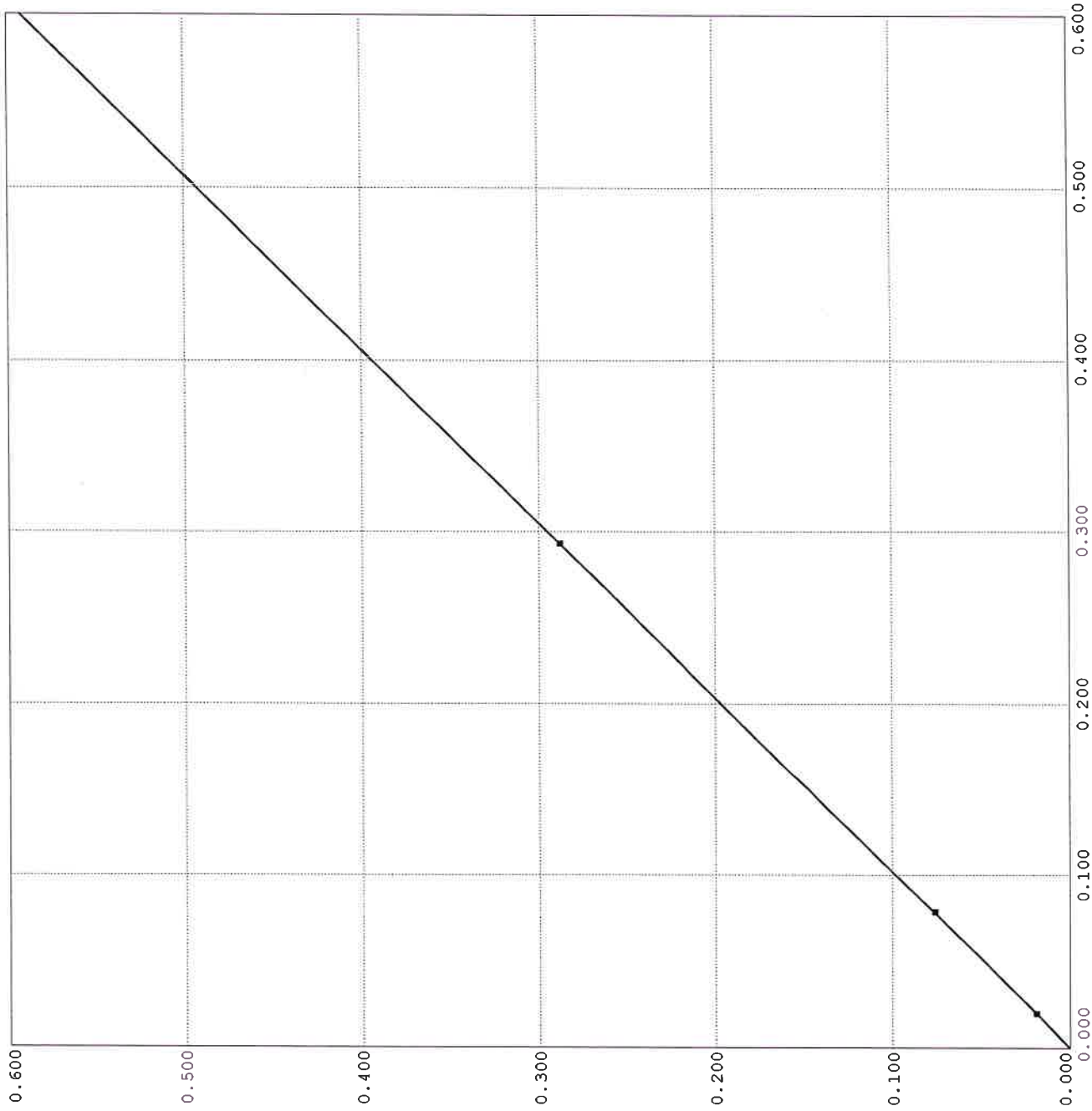
Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 09/11/2025
 Time: 10:07:51

SUPERVISOR NAME:
 COLLEEN S O'BRYAN
 OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.019	0.0196	0.0005
0.078	0.0770	0.0000
0.292	0.2888	0.0004

SLOPE = 0.987056
 R^2 = 0.999991



013

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100397

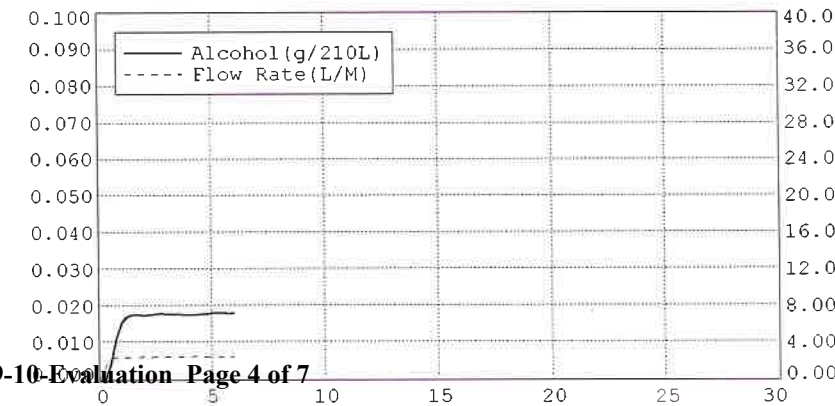
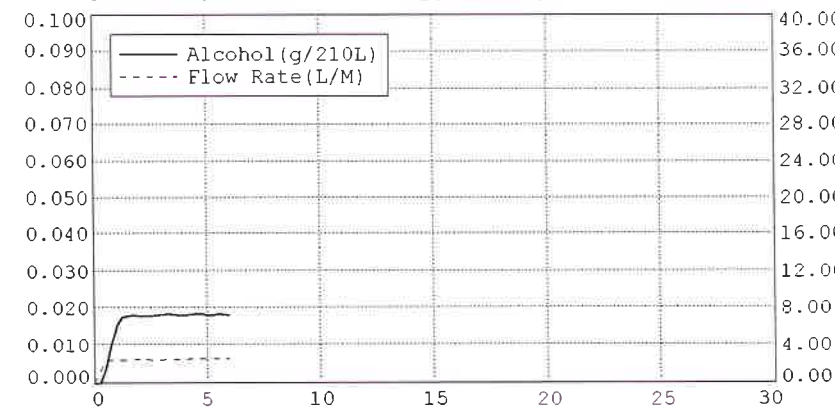
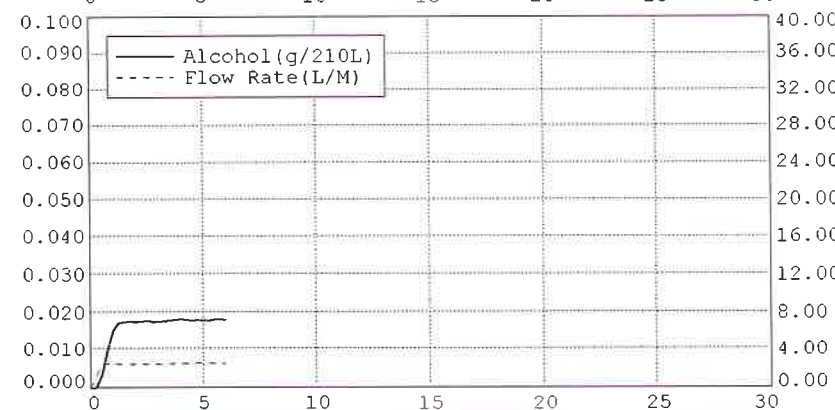
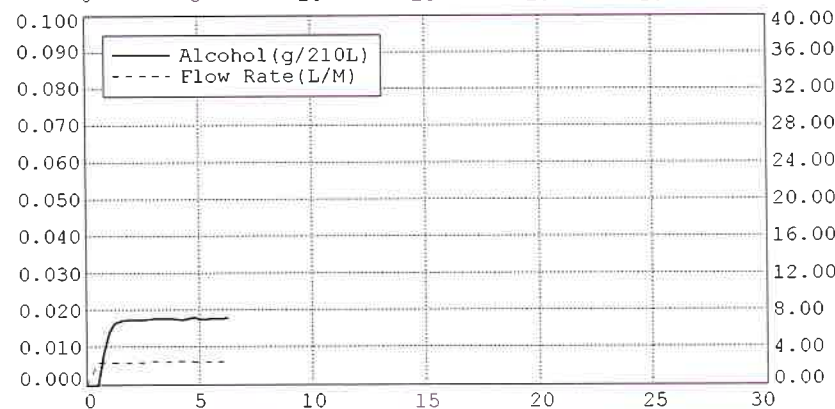
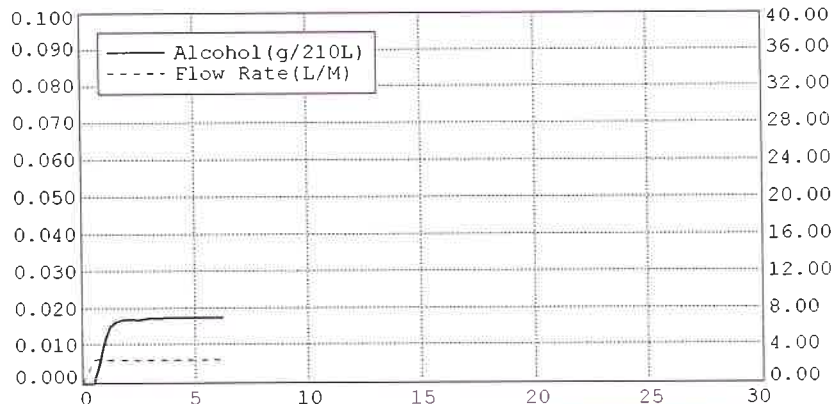
Date: 09/11/2025
Time: 10:07:53

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.14: 0.019
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 465 psi

TEST TYPE	CONC	TIME
BLANK TEST	0.000	10:09
INTERNAL STANDARD	VERIFIED	10:09
EXTERNAL STANDARD	0.019	10:09
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.019	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.020	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.020	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.020	10:13
BLANK TEST	0.000	10:14

Average = 0.0196
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100397

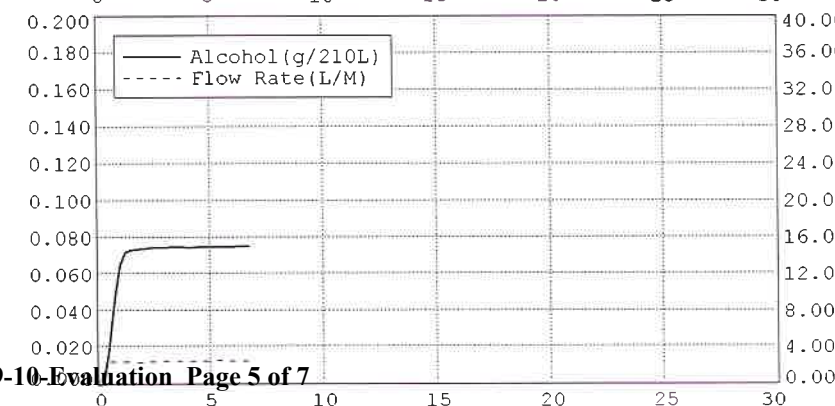
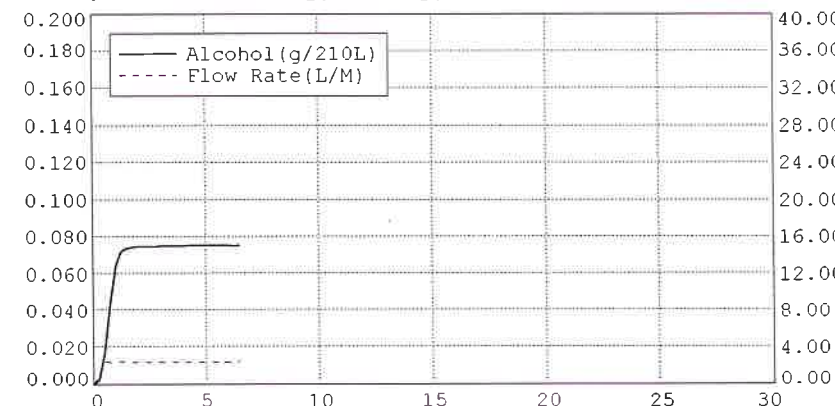
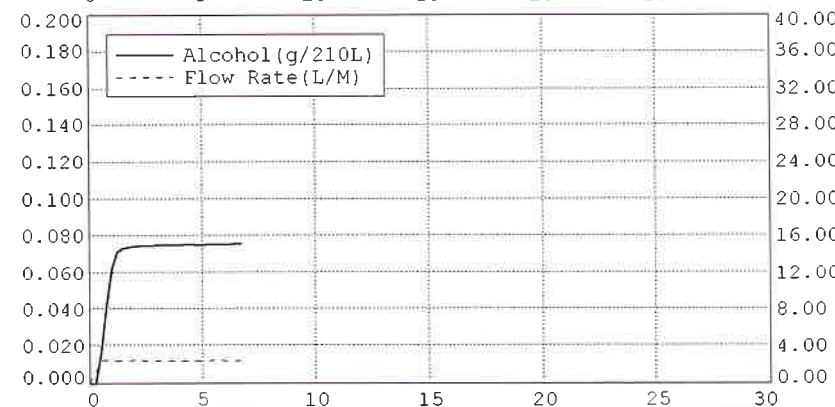
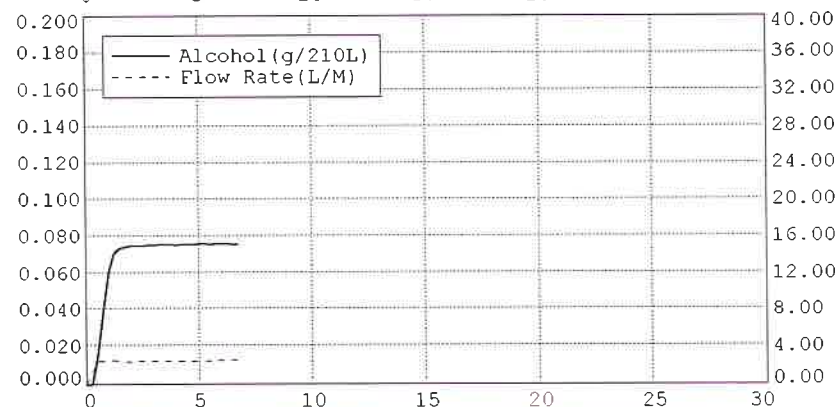
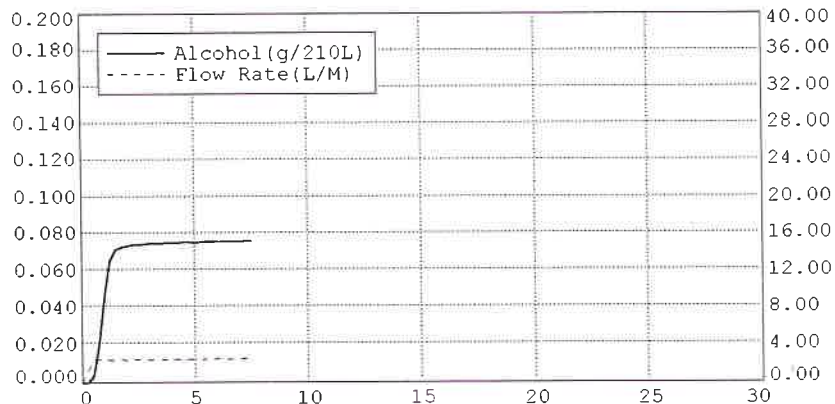
Date: 09/11/2025
Time: 10:15:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.14: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 160 psi

TEST TYPE	Value	Time
BLANK TEST	0.000	10:17
INTERNAL STANDARD	VERIFIED	10:17
EXTERNAL STANDARD	0.077	10:17
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.077	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.077	10:19
BLANK TEST	0.000	10:20
EXTERNAL STANDARD	0.077	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.077	10:22
BLANK TEST	0.000	10:23

Average = 0.0770
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100397

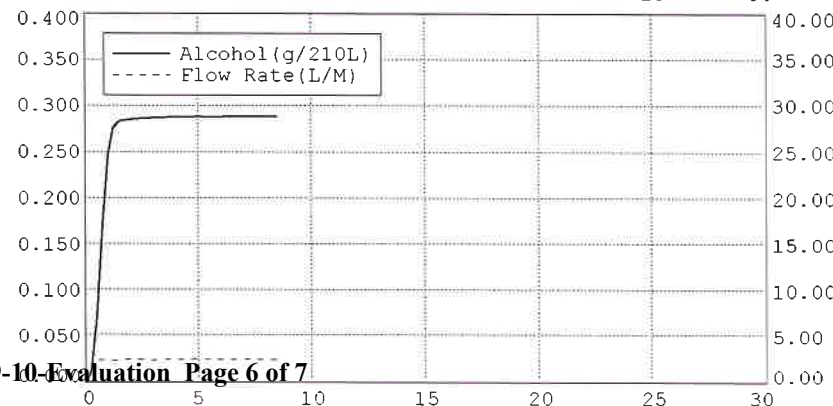
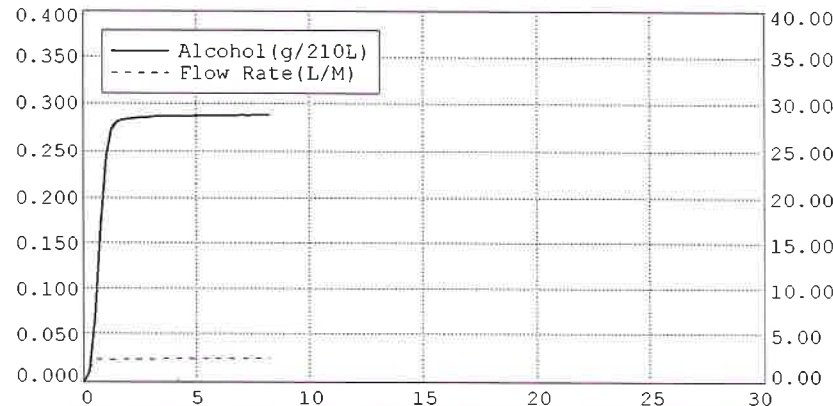
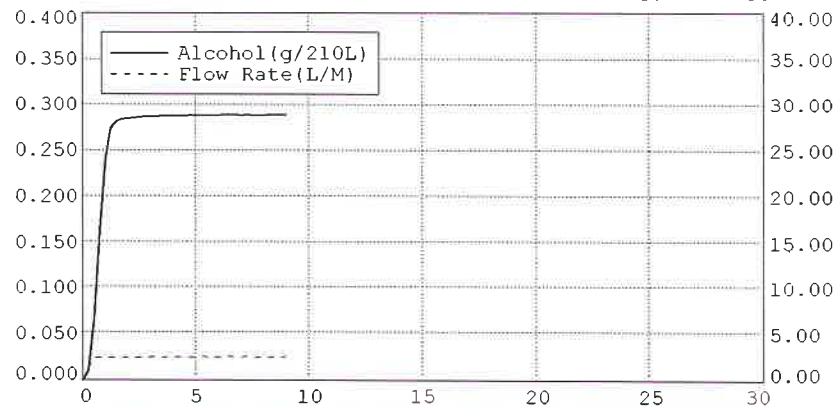
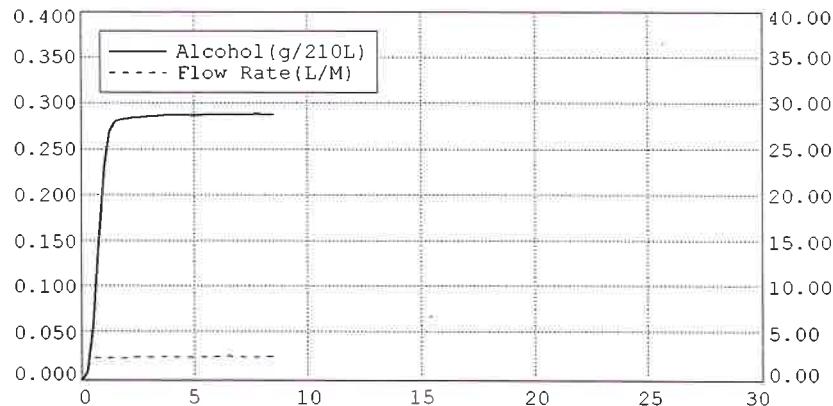
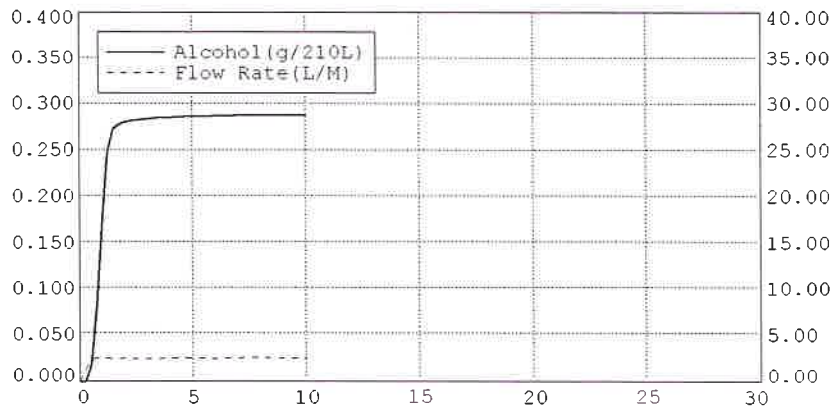
Date: 09/11/2025
Time: 10:23:24

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.14: 0.292
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 355 psi

BLANK TEST	0.000	10:24
INTERNAL STANDARD	VERIFIED	10:24
EXTERNAL STANDARD	0.288	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.289	10:26
BLANK TEST	0.000	10:27
EXTERNAL STANDARD	0.289	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.289	10:28
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.289	10:29
BLANK TEST	0.000	10:30

Average = 0.2888
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 09/11/2025
Time: 10:37:32

SUBJECT NAME:
TEST TEST
LICENSE #: NDST

OPERATOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 25-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.15: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	10:38
BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:38
EXTERNAL STANDARD	0.078	10:38
BLANK TEST	0.000	10:39
SUBJECT SAMPLE (Vol=1.98L)	0.000	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.078	10:41
BLANK TEST	0.000	10:42

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