

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100400

Analyst/Technician(s): Charlie Glaister

Start Date: 1/3/2025

Date Instrument Received: 1/3/2025

Reason for instrument evaluation

Tank Interference

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): 29.82 Temperature (C): 21.7 Relative Humidity (%): 2

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: 1/3/2025

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100400

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/03/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.56: 0.079
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 122 psi

BLANK TEST	0.000	11:13
INTERNAL STANDARD	VERIFIED	11:13
Xq = 0.109 (1.90%)		
EXTERNAL STANDARD	0.076	11:13
X[1] = 0.0765 (-0.0018) (0.0005)		
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.077	11:14
X[1] = 0.0769 (-0.0012) (0.0005)		
BLANK TEST	0.000	11:15
EXTERNAL STANDARD	0.077	11:16
X[1] = 0.0769 (-0.0014) (0.0001)		
BLANK TEST	0.000	11:16
EXTERNAL STANDARD	0.077	11:17
X[1] = 0.0766 (-0.0022) (0.0004)		
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.077	11:18
X[1] = 0.0771 (-0.0012) (0.0009)		
BLANK TEST	0.000	11:19

Average = 0.0768
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.71 V	PASSED
(1.00 V - 2.32 V)	
Cooler Voltage = 1.69 V	PASSED
(1.00 V - 2.34 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 511 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 4.906 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

Xq = 0.108	1.16%	(0.00% - 4.00%)	PASSED
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LINEARITY CHECK

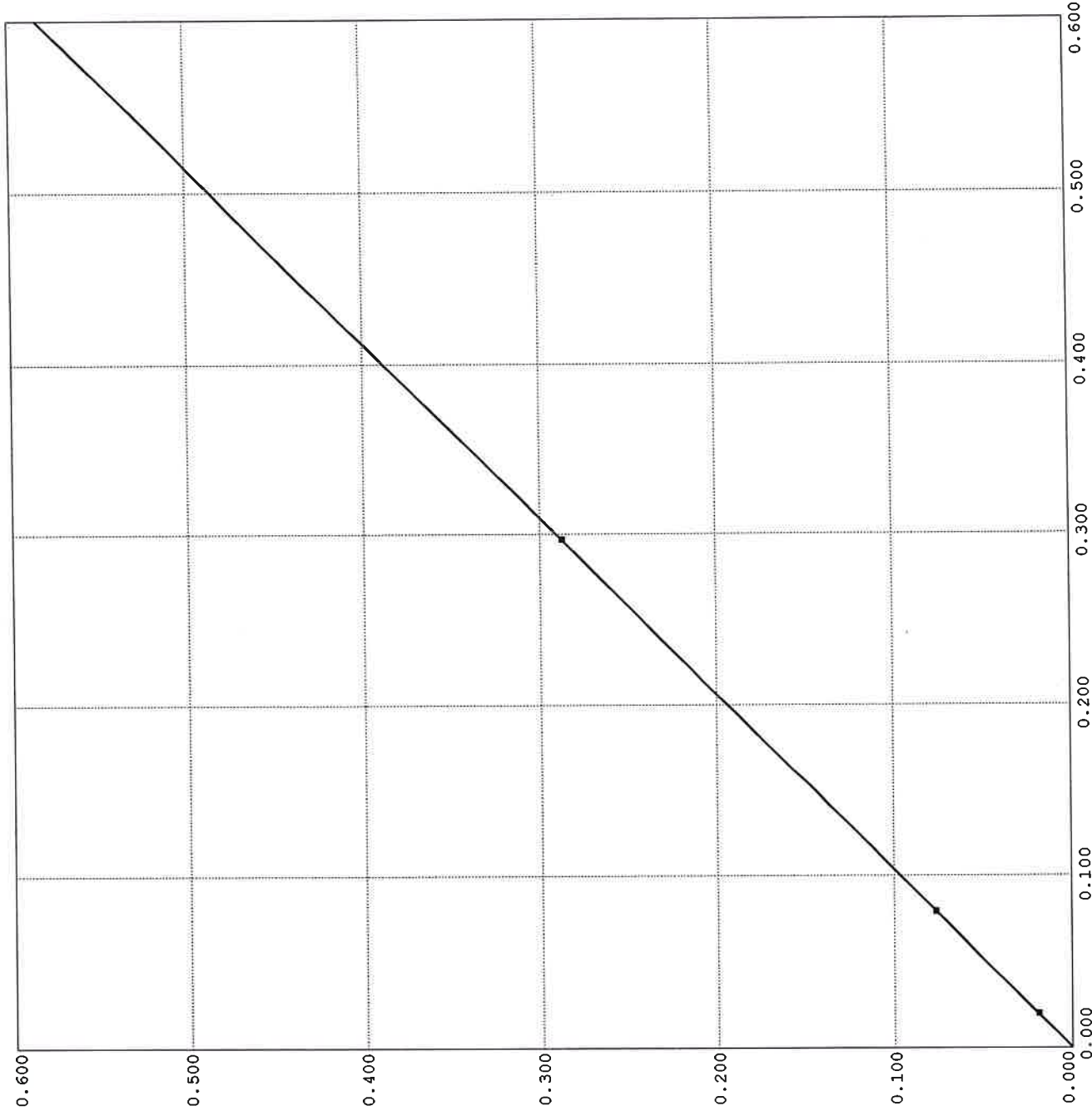
Alaska Department of Public Safety
 DATAMASTER dmt: 100400

Date: 01/03/2025
 Time: 12:30:50

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0194	0.0005
0.079	0.0774	0.0005
0.296	0.2882	0.0004

SLOPE = 0.973241
 R^2 = 0.999996



CV65

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100400

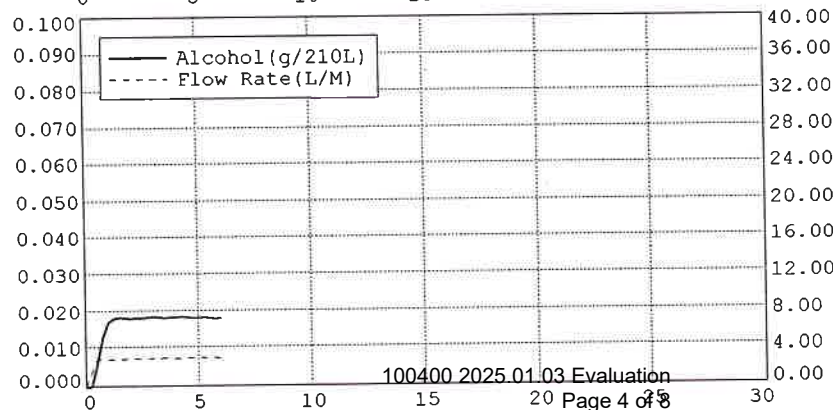
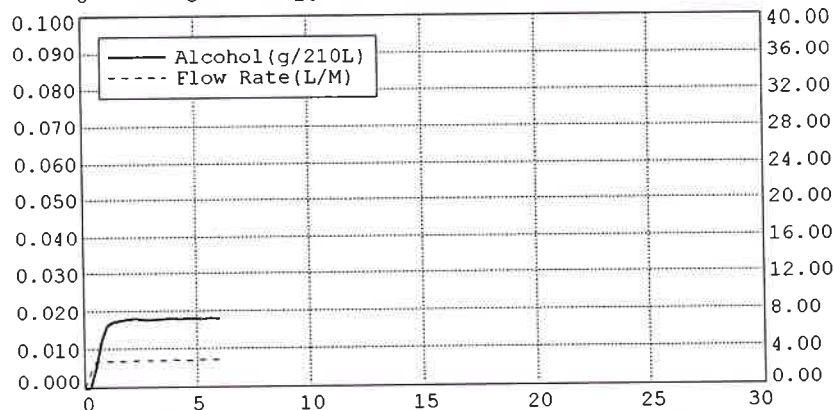
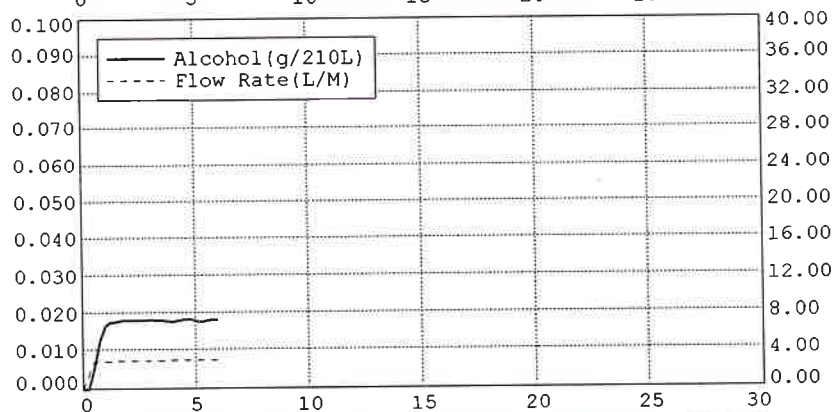
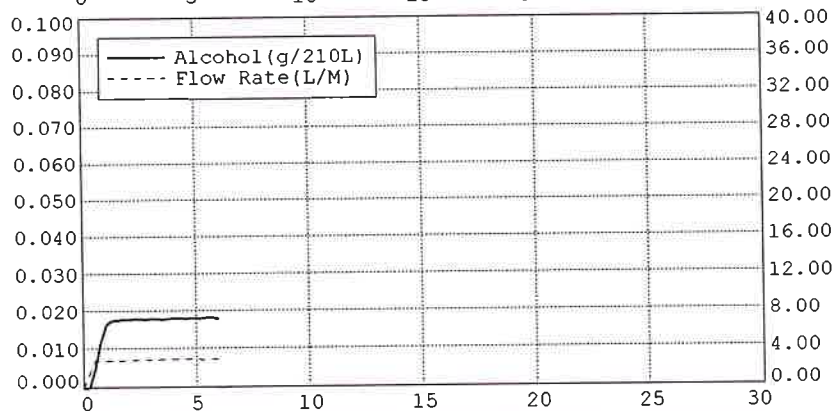
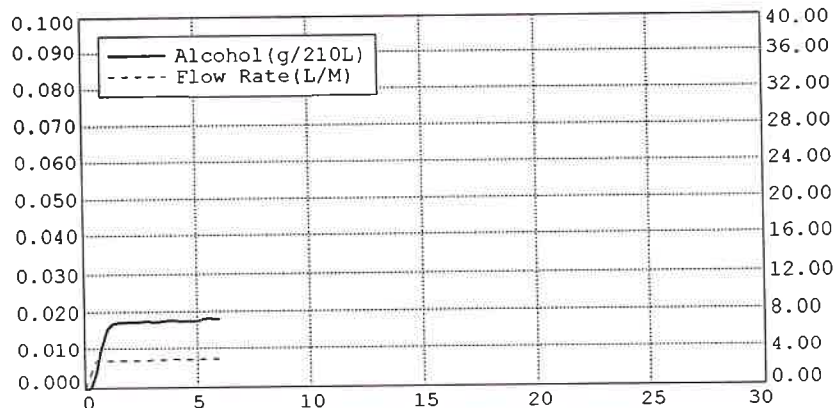
Date: 01/03/2025
Time: 12:30:52

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.55: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 654 psi

BLANK TEST	0.000	12:32
INTERNAL STANDARD	VERIFIED	12:32
EXTERNAL STANDARD	0.019	12:32
BLANK TEST	0.000	12:33
EXTERNAL STANDARD	0.019	12:33
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.020	12:34
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.019	12:35
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.020	12:36
BLANK TEST	0.000	12:37

Average = 0.0194
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

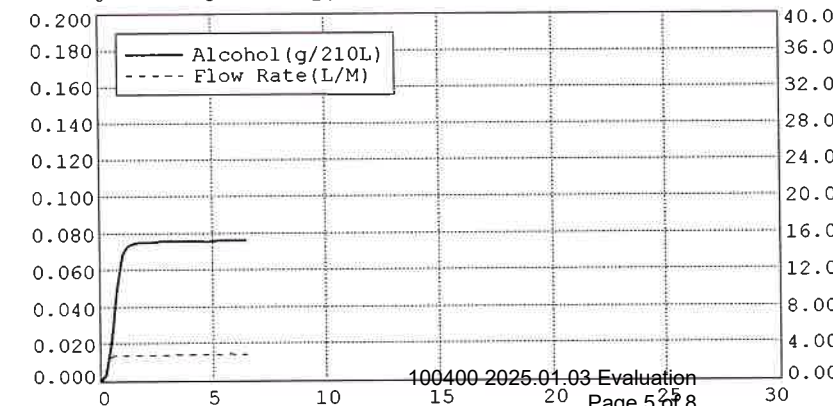
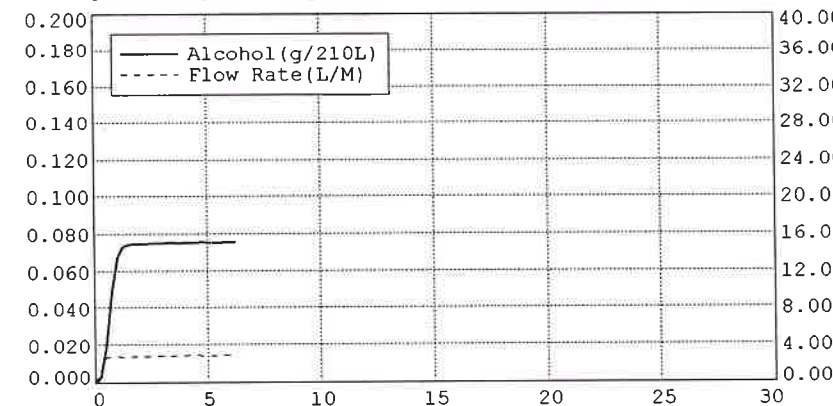
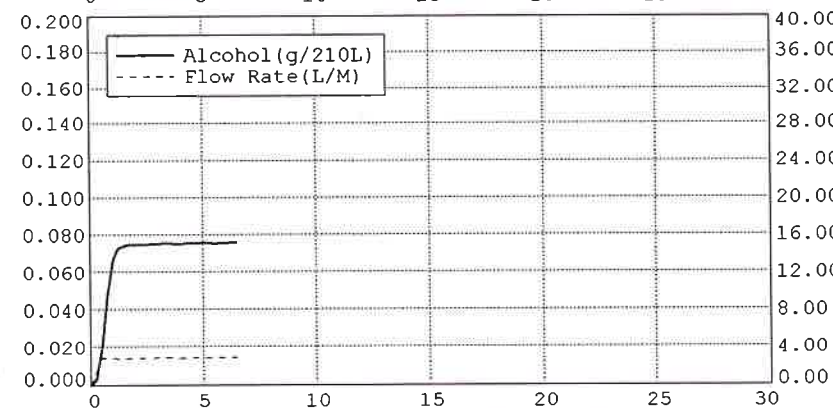
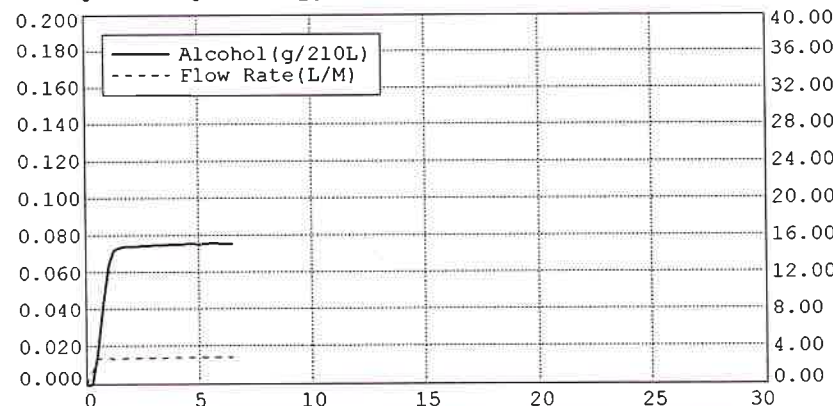
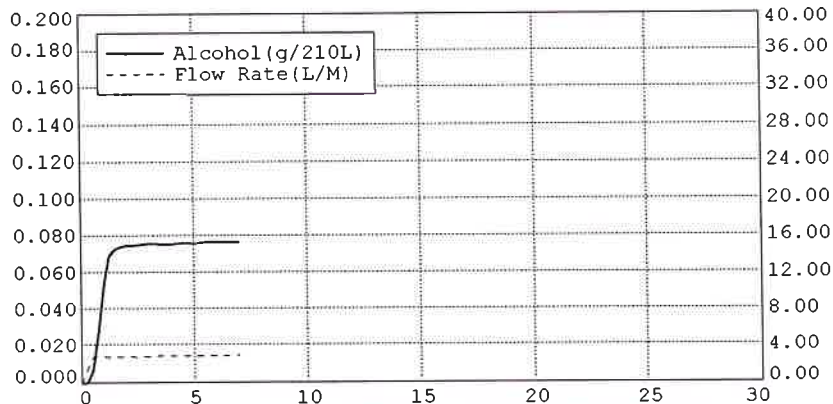
Alaska Department of Public Safety
DATAMASTER dmt: 100400

Date: 01/03/2025
Time: 12:39:06

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.54: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 531 psi

BLANK TEST	0.000	12:40
INTERNAL STANDARD	VERIFIED	12:40
EXTERNAL STANDARD	0.078	12:40
BLANK TEST	0.000	12:41
EXTERNAL STANDARD	0.077	12:41
BLANK TEST	0.000	12:42
EXTERNAL STANDARD	0.077	12:42
BLANK TEST	0.000	12:43
EXTERNAL STANDARD	0.077	12:44
BLANK TEST	0.000	12:44
EXTERNAL STANDARD	0.078	12:45
BLANK TEST	0.000	12:46

Average = 0.0774
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100400

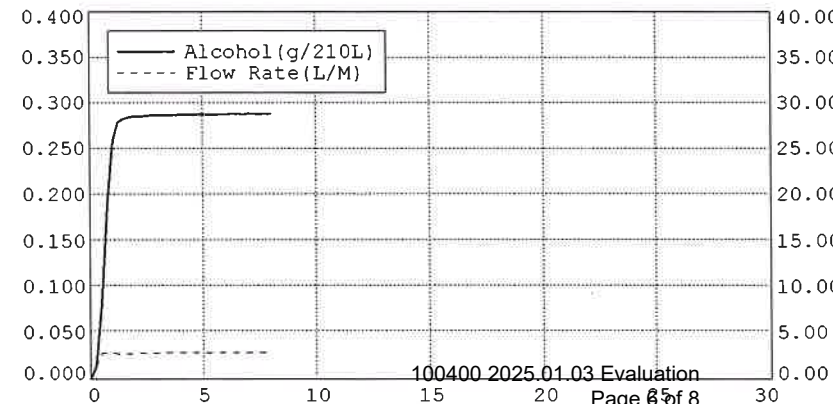
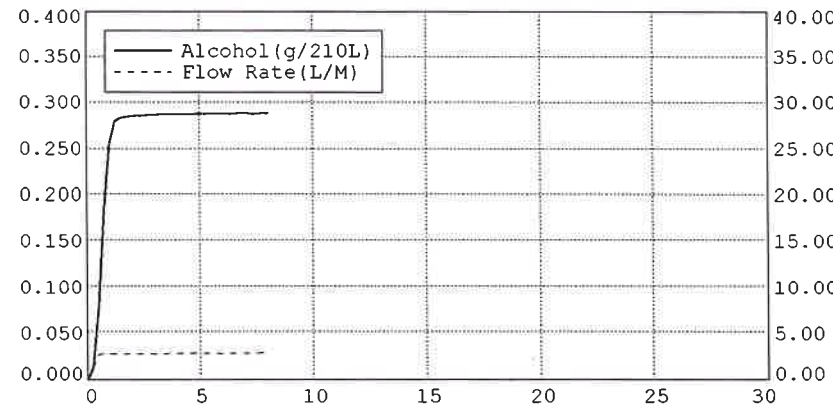
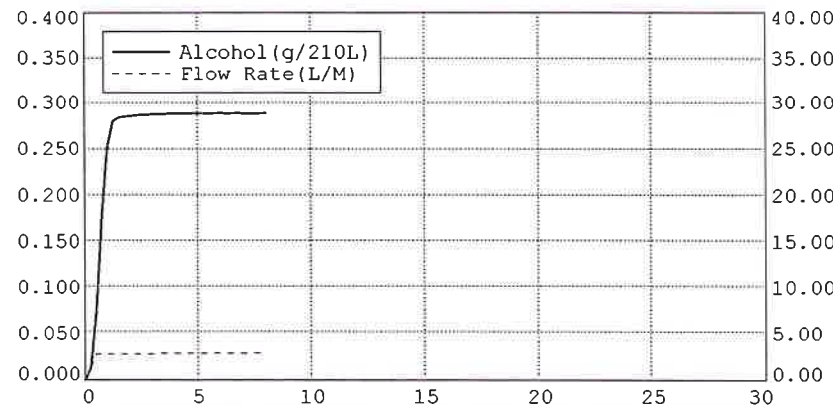
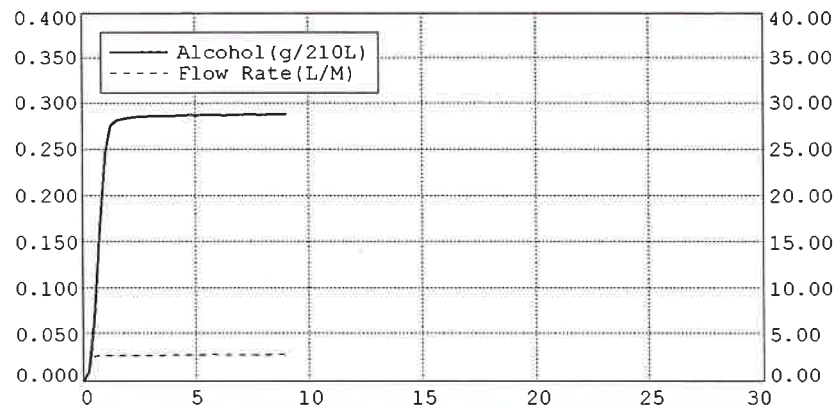
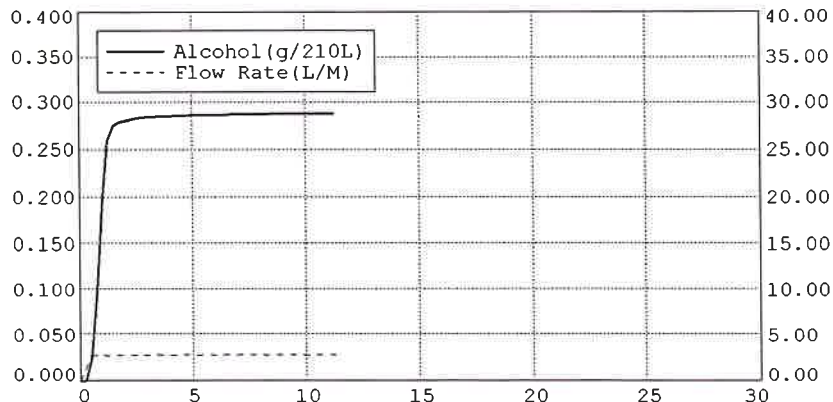
Date: 01/03/2025
Time: 12:47:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.54: 0.296
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 272 psi

TEST TYPE	CONCENTRATION (g/210L)	TIME
BLANK TEST	0.000	12:49
INTERNAL STANDARD	VERIFIED	12:49
EXTERNAL STANDARD	0.289	12:49
BLANK TEST	0.000	12:50
EXTERNAL STANDARD	0.288	12:50
BLANK TEST	0.000	12:51
EXTERNAL STANDARD	0.288	12:51
BLANK TEST	0.000	12:52
EXTERNAL STANDARD	0.288	12:53
BLANK TEST	0.000	12:53
EXTERNAL STANDARD	0.288	12:54
BLANK TEST	0.000	12:55

Average = 0.2882
Std Dev = 0.0004



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100400

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/03/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.53: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 509 psi

BLANK TEST	0.000	13:06
INTERNAL STANDARD	VERIFIED	13:06
EXTERNAL STANDARD	0.078	13:06
BLANK TEST	0.000	13:07
EXTERNAL STANDARD	0.077	13:07
BLANK TEST	0.000	13:08
EXTERNAL STANDARD	0.077	13:08
BLANK TEST	0.000	13:09
EXTERNAL STANDARD	0.077	13:09
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.078	13:10
BLANK TEST	0.000	13:11

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 = 48.8°C	PASSED
Breath Tube = 47.3°C	PASSED

PUMP INFO

Flow Rate = 4.993 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

PASSED

other tank was too
low pressure. Performed
another tank change
to run non-drinking
subject test. CLK
11/3/25

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100400

Date: 01/03/2025
Time: 13:23:10

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 29.53: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:24
BLANK TEST	0.000	13:24
INTERNAL STANDARD	VERIFIED	13:24
EXTERNAL STANDARD	0.077	13:24
BLANK TEST	0.000	13:25
SUBJECT SAMPLE (Vol=3.03L)	0.000	13:26
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.077	13:27
BLANK TEST	0.000	13:28

CKG

