



State of Alaska
 Department of Public Safety
Scientific Crime Detection Laboratory

4805 Dr. Martin Luther King Jr. Ave.
 Anchorage, Alaska 99507
 David Kanaris, Chief, Forensic Laboratories



Breath Alcohol Calibration Report
Calibration Item: DataMaster DMT
Serial Number: 100377

Report Issue Date: 09/23/2024
Date Received: Not Recorded
Condition of Item: Not Recorded

Method Used: DataMaster DMT Calibration / Current Breath Alcohol Procedure Manual
Calibration Range: 0.020 g/210L - 0.300 g/210L

No As-Found Data Collected

As-Left Data

Nominal Values (g/210L)	Target Values (g/210L)	Lot Number	Results (g/210L)					Mean (g/210L)	Uncertainty (g/210L)
0.020	0.019	AG408002	0.020	0.021	0.021	0.020	0.020	0.020	+/- 0.002
0.040	0.039	AG407908	0.041	0.040	0.040	0.040	0.041	0.040	+/- 0.003
0.080	0.078	AG335202	0.079	0.079	0.079	0.079	0.080	0.079	+/- 0.004
0.100	0.097	AG333401	0.100	0.100	0.101	0.100	0.100	0.100	+/- 0.004
0.150	0.146	AG332004	0.147	0.148	0.149	0.148	0.147	0.148	+/- 0.006
0.300	0.292	AG327804	0.300	0.300	0.300	0.300	0.300	0.300	+/- 0.012

As Left Conditions - Barometric Pressure (inHg): 29.38 Barometer Used: Fisher S/N 230307229 Temperature (C): 22.0 Relative Humidity (%): 30

As-Left Lab Activity Date Range: 09/17/2024 - 09/17/2024

Calibration is performed using dry gas standards traceable to NIST. Standards are sourced from an external provider accredited to ISO/IEC 17025 and ISO 17034 standards. Internal instrument barometer readings are traceable to NIST. External barometers are calibrated by an external calibration provider accredited to the ISO/IEC 17025 standard.

The As-Left results listed above include the estimated measurement uncertainty with a coverage factor k=2 and an expanded coverage probability of 95%. The estimated uncertainty applies to the calibration process and not to subject breath samples.

This report applies only to the item being calibrated and shall not be reproduced, except in full, without written approval from the laboratory.

Results authorized by Kaija Swisher on 09/23/2024

kaija.swisher@alaska.gov

Technically and administratively reviewed by Carlie Glaister on 09/23/2024

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

Effective: 1/23/2024

Version: 4.0

Instrument #: 100377 Analyst or Technician Name: Kaye Swisher

DataMaster DMT Calibration Start Date: 9/17/24

Diagnostic Test

- Perform Diagnostic Test (View Details)
- Internal Standard Value \leq 3.00%

Technician Screen and Calibration Factors

- Adjust Voltages (if needed)
 - Lamp (2.60 V Maximum)
 - Bias
 - Cooler (2.00 V Maximum)
 - Chopper Frequency
 - Detector Voltage (-0.100V to 0.100V)
- Set RFI Sensitivity
- Adjust internal barometer reading to match NIST-traceable barometer
Barometer/Thermometer/Hygrometer S/N: 230307229
Calibration Due Date: 5/2/25
- Verify Volume Setting (1.50 L +/- 0.10 L), adjust if needed
- Print Technician Screen
- Print "Cal Factors"

Minimum Volume Test

- Perform Minimum Volume (Subject) Test: 1.4 liters (1.3 L to 1.7 L)

As Left Linearity Testing

Barometric Pressure (in Hg) 29.38 Temperature(C) 22.0 Relative Humidity(%) 30

Approved Concentrations (g/210L): 0.020, 0.040, 0.080, 0.100, 0.150, 0.300

Functional Tests

- Incomplete
- Invalid
- Maximum Attempts Exceeded
- Radio Frequency Interference (RFI)
- Interference (Volatiles) - *Print with View Details* 20240731MNC
 1. Acetone Reagent Lot Number: 23IP41233 Expiration Date: 10/31/24
Simulator S/N: DR4178 Thermometer Verification Performed?
 2. Isopropanol Reagent Lot Number: 23IP 20240731MNC Expiration Date: 10/31/24
Simulator S/N: DR6267 Thermometer Verification Performed?
 3. Negative (Ethanol Only) Lot Number: 23IP41233 Expiration Date: 10/31/24 9/20/25
Simulator S/N: DR4163 Thermometer Verification Performed?

Calibrated External Thermometer S/N: 230631106

Calibration Due Date: 9/19/25

Administrative

- Verify Stylus Calibration
- Reset Options
- Clear Memory
- Verification of Calibration (VOC)
- Perform Non-Drinking Subject Test
- Upload Instrument
- Remove Dry Gas Tank Before Shutdown
- Add Ready for Tech Review Note

Completion

Lab Work End Date: 9/17/24

Data Interpretation Date (Technician): NA (if applicable)

Data Interpretation Date (Analyst): 9/17/24

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 06:06:19

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

TEMPERATURES

Sample Chamber = 48.7°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 45.0°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.73 V PASSED
(1.04 V - 2.42 V)
Cooler Voltage = 1.61 V PASSED
(0.97 V - 2.25 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 527 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.1 in

PUMP INFO

Flow Rate = 5.778 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 = 0.086 1.00% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 6:47 AM

Temperatures (°C)
Sample Cell: 49.2°C
Breath Tube: 42.7°C

Current Barometer 29.1 in
Volume (Ltr) 1.58

Settings
Lamp: 1.73 V
Bias: 80 V
Cooler: 1.56 V
Chopper: 522 Hz

Voltages (V)
Flow: 1.06 V
Detector: 0.022 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 05/06/2024
Time: 02:59:59

OPERATOR NAME:
INTOX I METERS
CERTIFICATE #: 99999

Ca = 0.0992
CAL = 0.998938 0.800 <= CAL < 1.200
b1 = 0.0004 0.0000 <= b1 < 0.0040
b2 = 0.0050 0.0010 <= b2 < 0.0100
b3 = 0.0005 0.0000 <= b3 < 0.0040
Xq = 0.0869 0.0500 <= Xq < 0.2000
a21 = 1.175031 1.050 <= a21 < 1.300
a31 = 0.384629 0.300 <= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 06:49:25

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

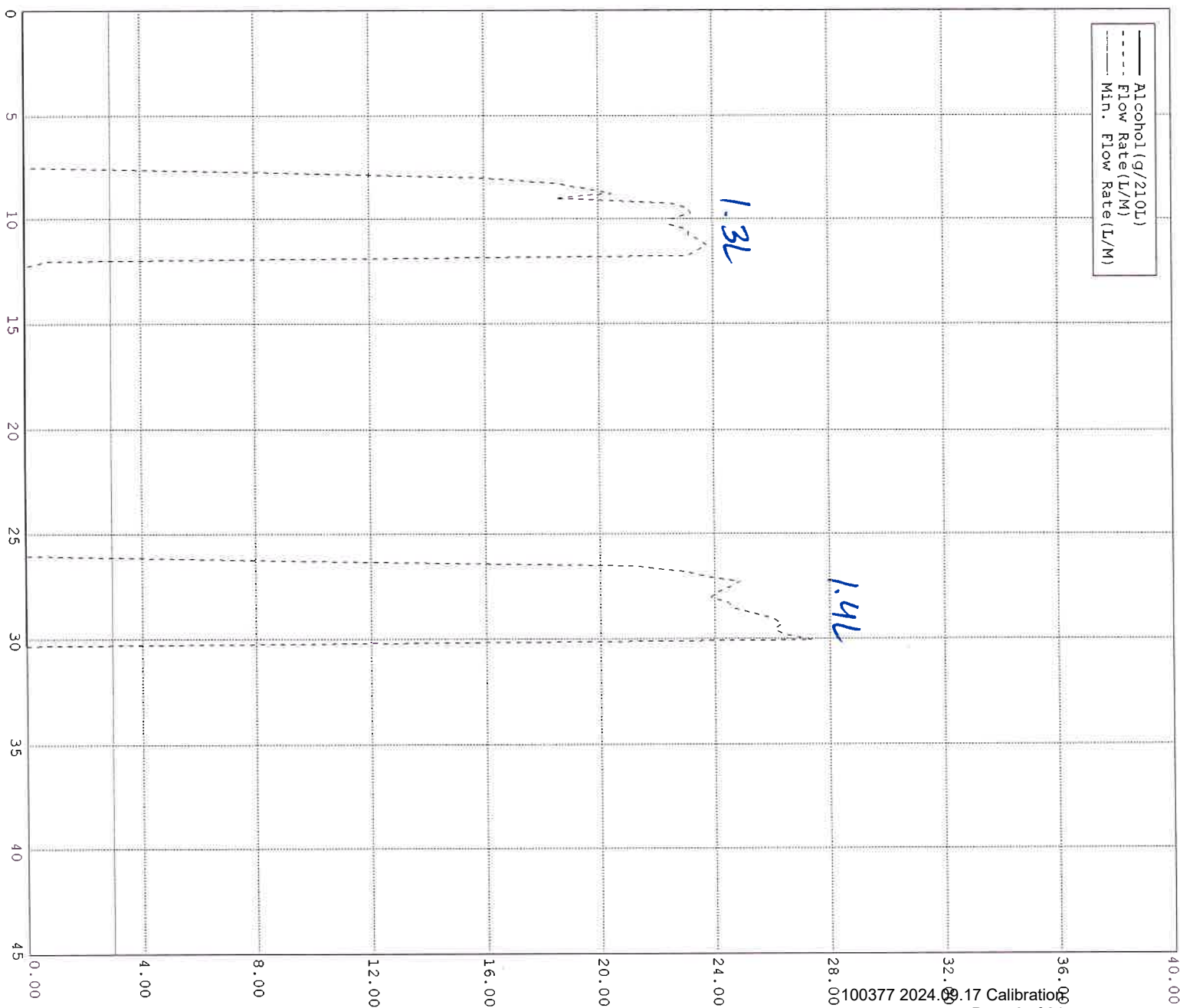
OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
MINIMUM VOLUME TEST
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.08: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	06:50
BLANK TEST	0.000	06:50
INTERNAL STANDARD	VERIFIED	06:50
EXTERNAL STANDARD	0.079	06:50
BLANK TEST	0.000	06:51
SUBJECT SAMPLE (Vol=1.59L)	0.000	06:52
BLANK TEST	0.000	06:53
EXTERNAL STANDARD	0.080	06:53
BLANK TEST	0.000	06:54

KS



LINEARITY CHECK

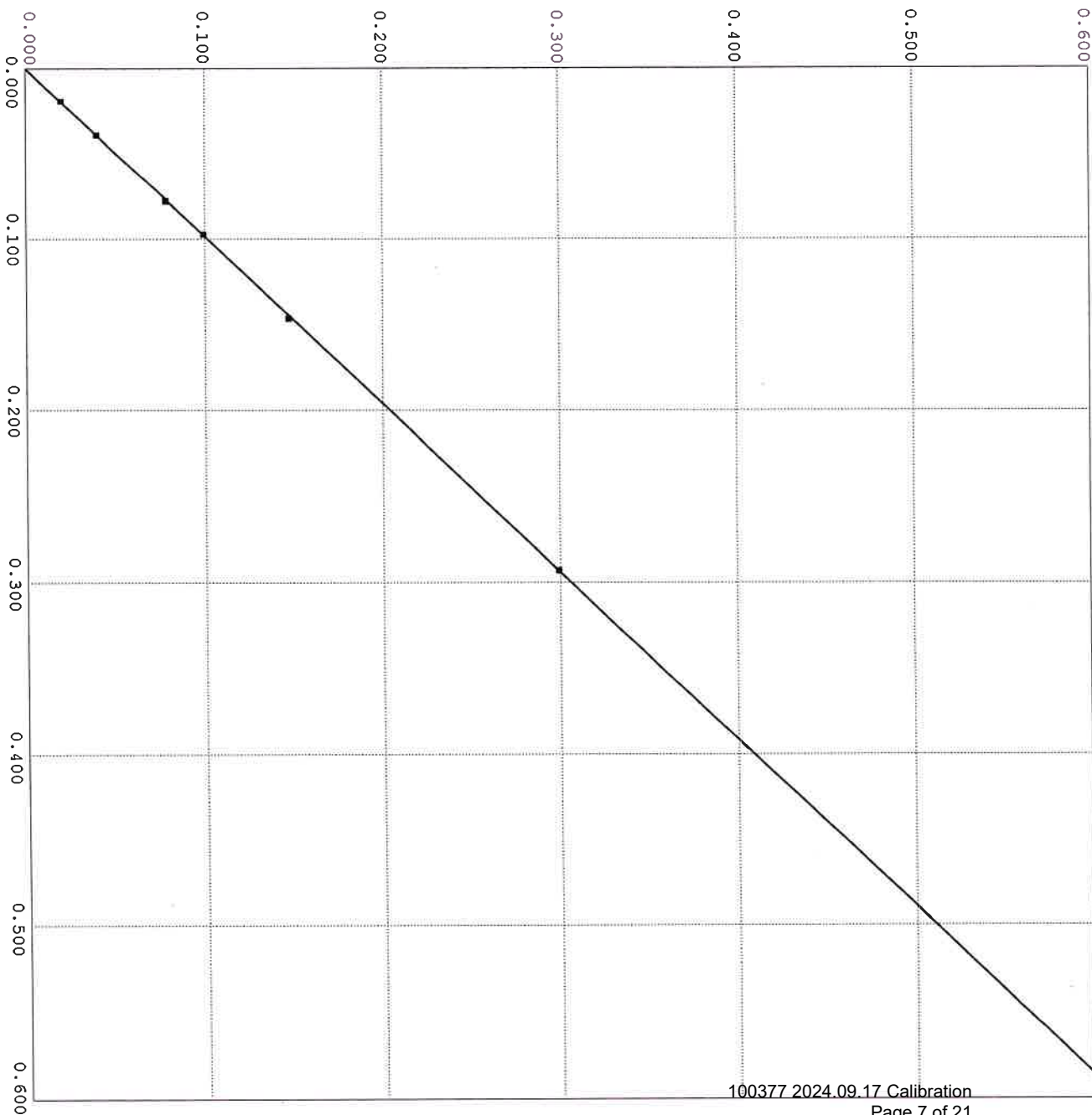
Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 06:57:31

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.019	0.0204	0.0005
0.039	0.0404	0.0005
0.078	0.0792	0.0004
0.097	0.1002	0.0004
0.146	0.1478	0.0008
0.292	0.3000	0.0000

SLOPE = 1.024181
R² = 0.999882



KS

LINEARITY CHECK: Control Test 1

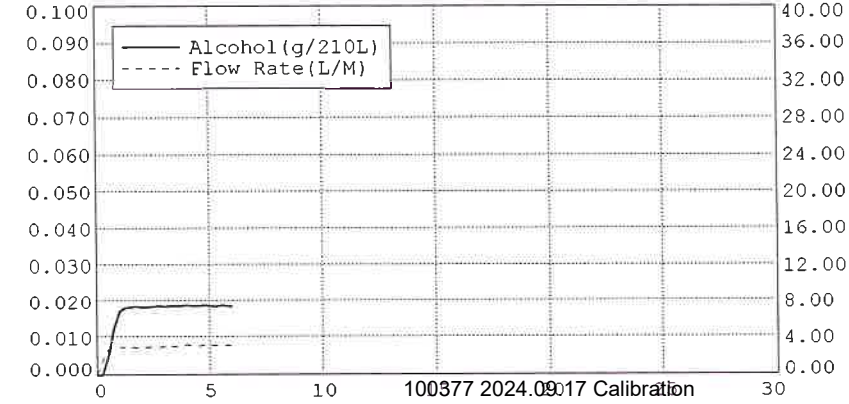
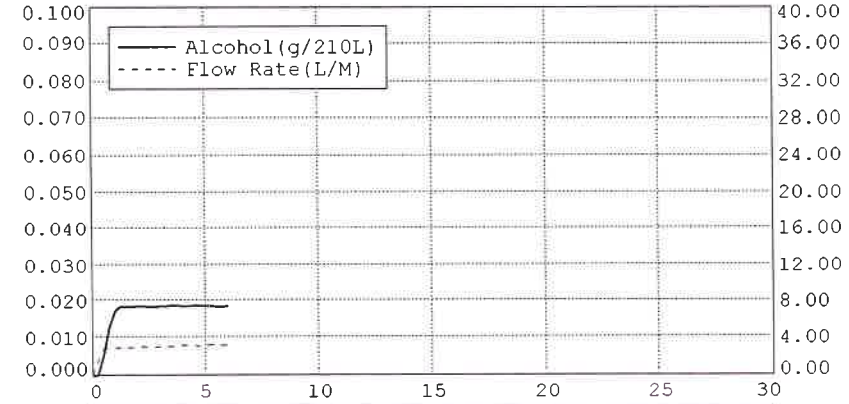
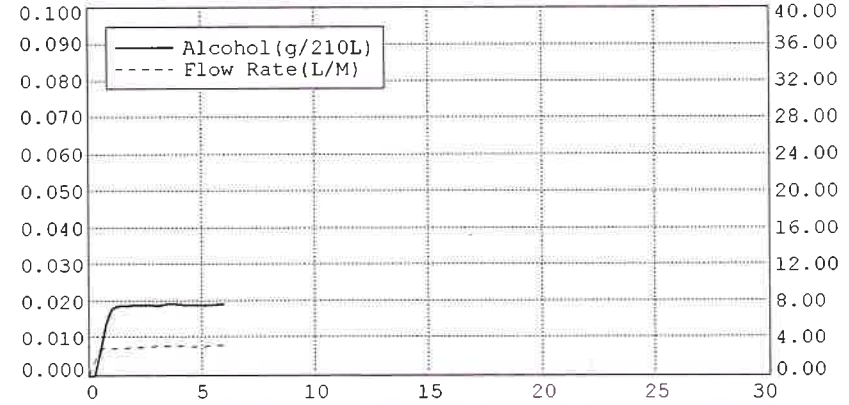
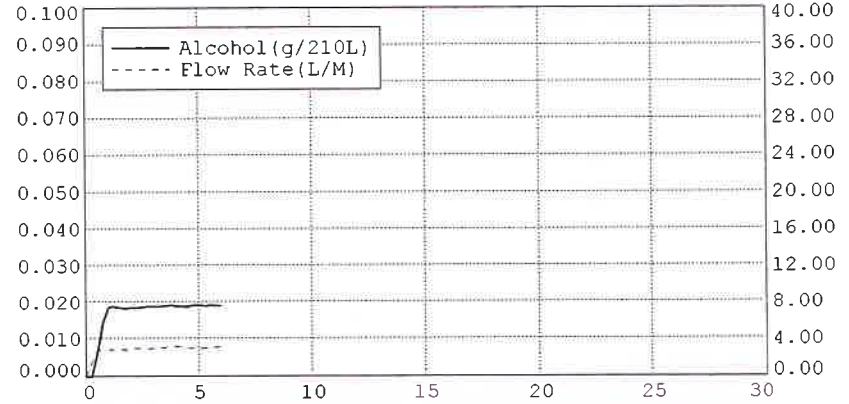
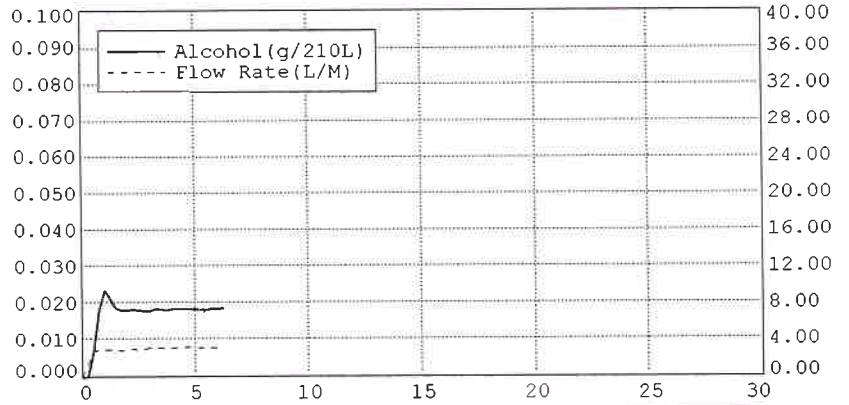
Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 09/16/2024
 Time: 06:57:33

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.08: 0.019
 LOT #: AG408002
 EXPIRATION: 03/20/2026
 TANK PRESSURE: 404 psi

BLANK TEST	0.000	06:59
INTERNAL STANDARD	VERIFIED	06:59
EXTERNAL STANDARD	0.020	06:59
BLANK TEST	0.000	07:00
EXTERNAL STANDARD	0.021	07:00
BLANK TEST	0.000	07:01
EXTERNAL STANDARD	0.021	07:01
BLANK TEST	0.000	07:02
EXTERNAL STANDARD	0.020	07:02
BLANK TEST	0.000	07:03
EXTERNAL STANDARD	0.020	07:03
BLANK TEST	0.000	07:04

Average = 0.0204
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

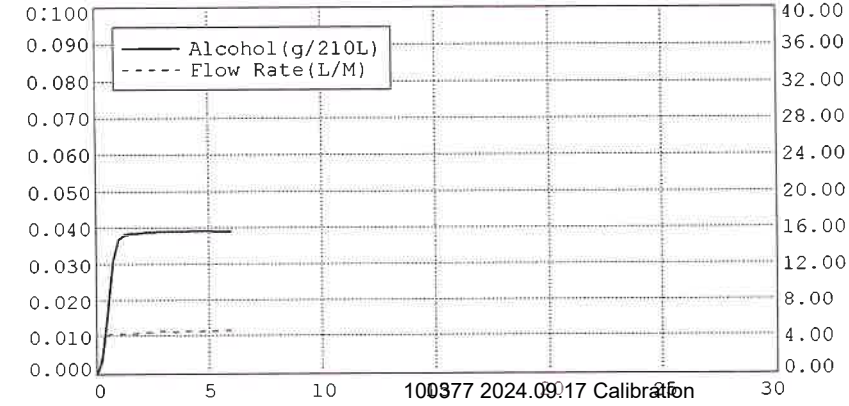
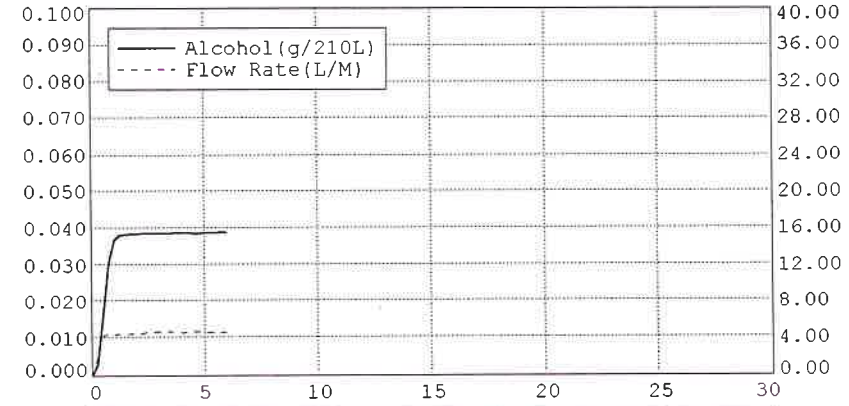
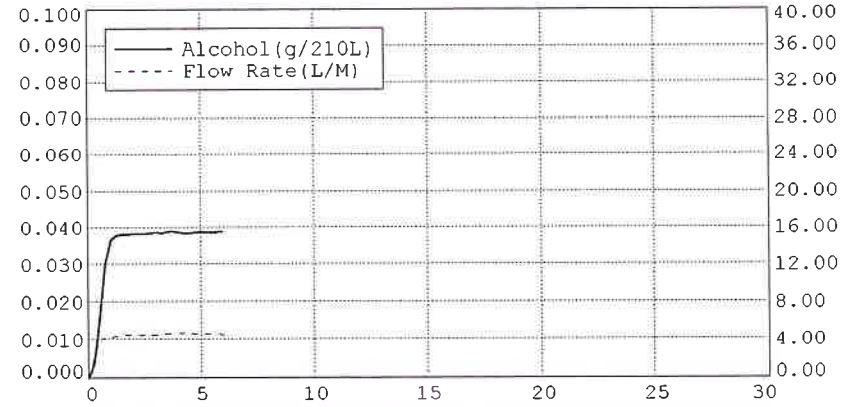
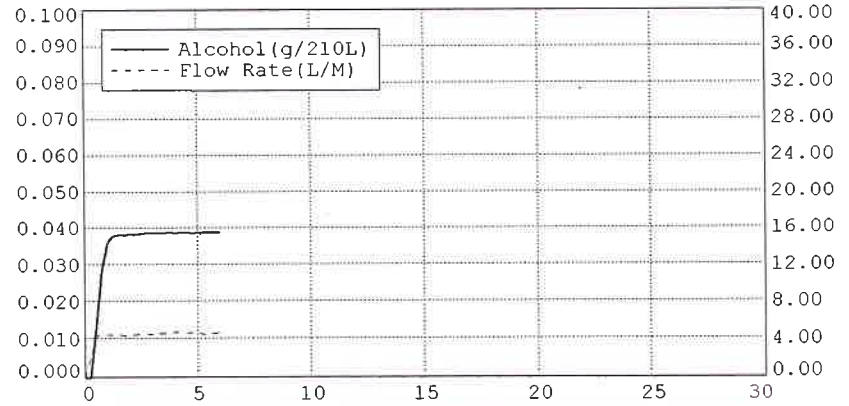
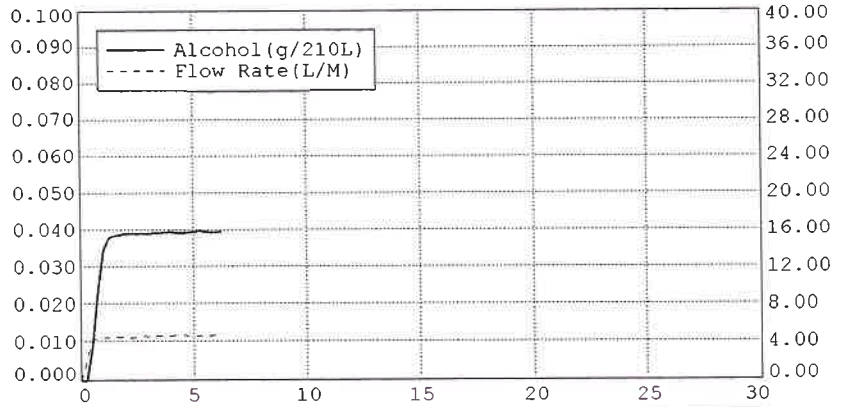
Date: 09/16/2024
 Time: 07:13:05

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.08: 0.039
 LOT #: AG407908
 EXPIRATION: 03/19/2026
 TANK PRESSURE: 1075 psi

BLANK TEST	0.000	07:14
INTERNAL STANDARD	VERIFIED	07:14
EXTERNAL STANDARD	0.041	07:14
BLANK TEST	0.000	07:15
EXTERNAL STANDARD	0.040	07:16
BLANK TEST	0.000	07:16
EXTERNAL STANDARD	0.040	07:17
BLANK TEST	0.000	07:17
EXTERNAL STANDARD	0.040	07:18
BLANK TEST	0.000	07:19
EXTERNAL STANDARD	0.041	07:19
BLANK TEST	0.000	07:20

Average = 0.0404
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

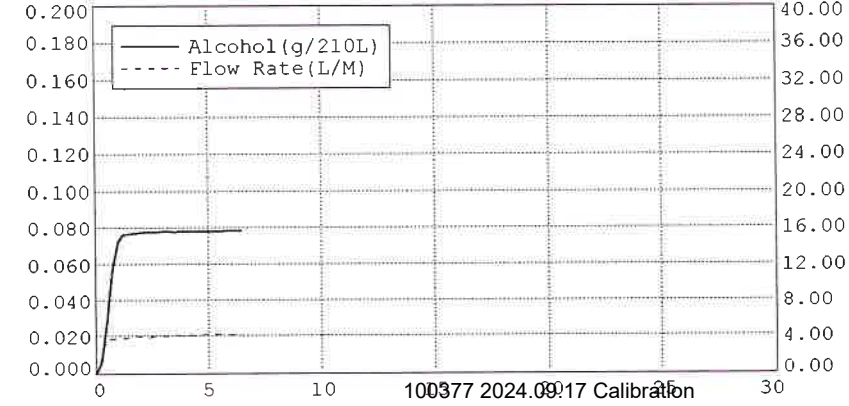
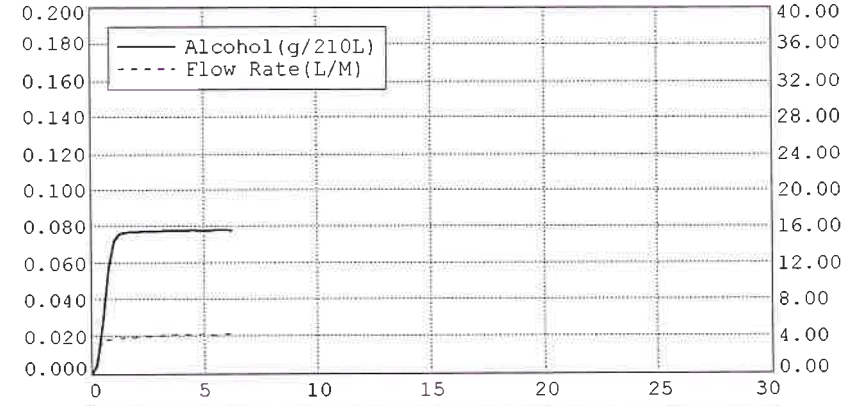
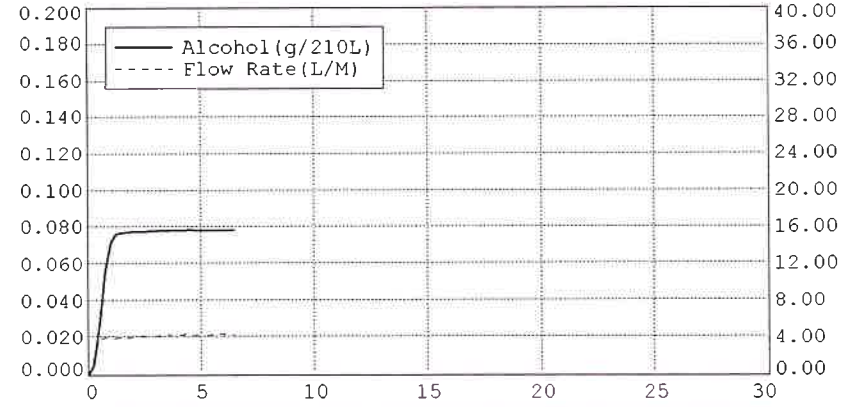
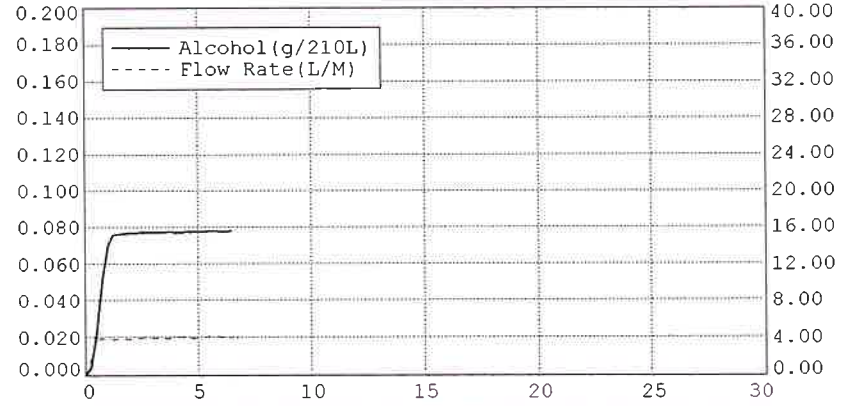
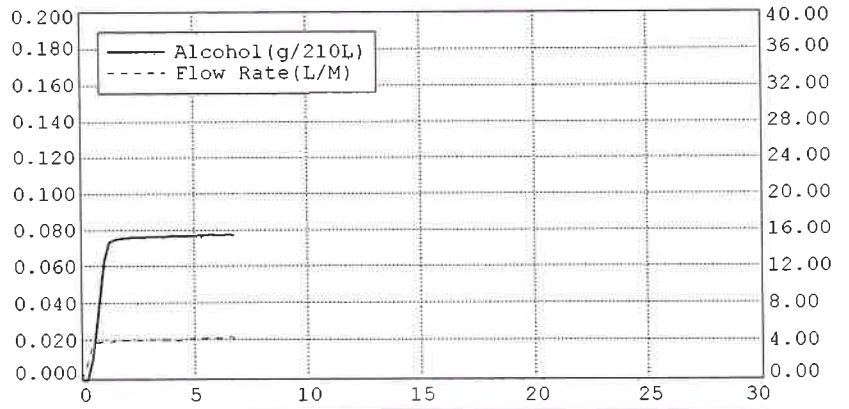
Date: 09/16/2024
 Time: 07:21:00

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.08: 0.078
 LOT #: AG335202
 EXPIRATION: 12/18/2025
 TANK PRESSURE: 816 psi

BLANK TEST	0.000	07:22
INTERNAL STANDARD	VERIFIED	07:22
EXTERNAL STANDARD	0.079	07:23
BLANK TEST	0.000	07:23
EXTERNAL STANDARD	0.079	07:24
BLANK TEST	0.000	07:25
EXTERNAL STANDARD	0.079	07:25
BLANK TEST	0.000	07:26
EXTERNAL STANDARD	0.079	07:26
BLANK TEST	0.000	07:27
EXTERNAL STANDARD	0.080	07:27
BLANK TEST	0.000	07:28

Average = 0.0792
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER dmt: 100377

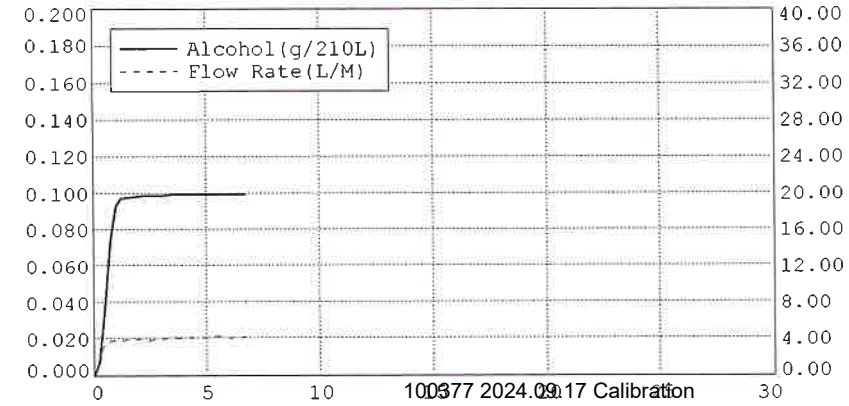
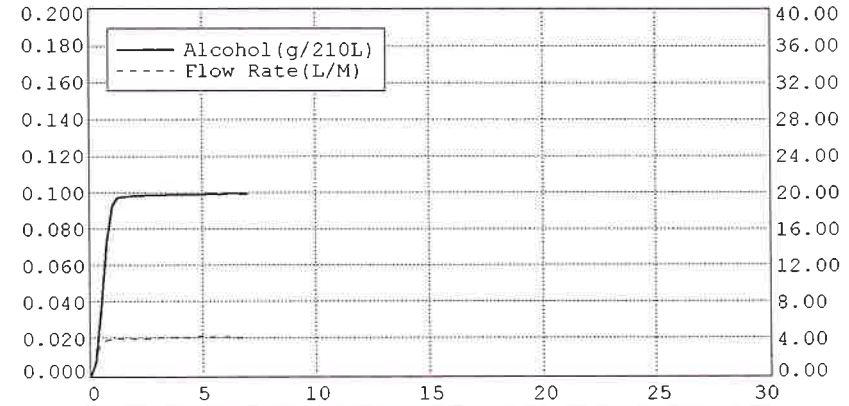
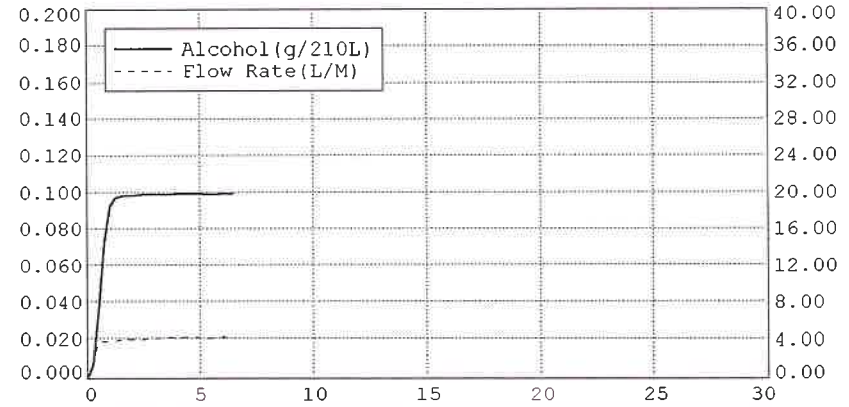
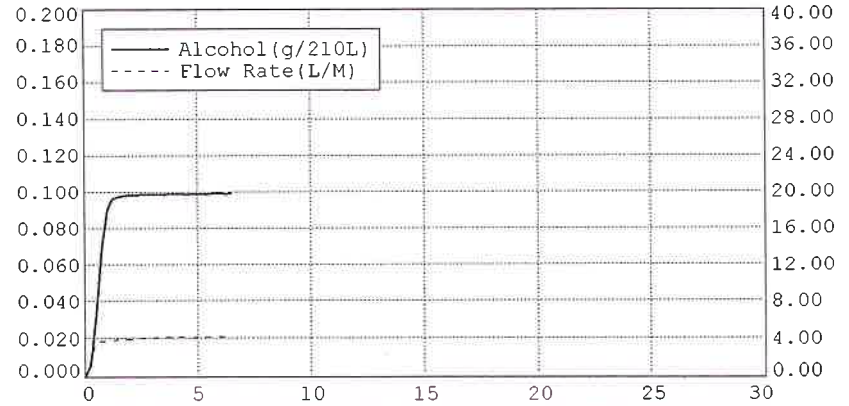
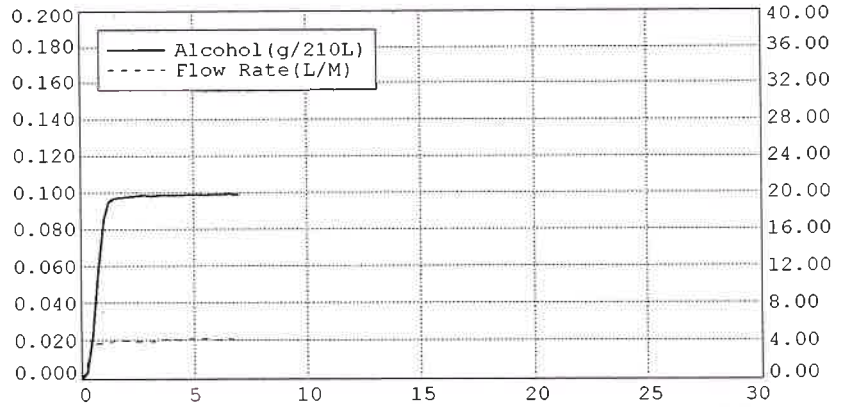
Date: 09/16/2024
Time: 07:28:46

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.08: 0.097
LOT #: AG333401
EXPIRATION: 11/30/2025
TANK PRESSURE: 781 psi

BLANK TEST	0.000	07:30
INTERNAL STANDARD	VERIFIED	07:30
EXTERNAL STANDARD	0.100	07:30
BLANK TEST	0.000	07:31
EXTERNAL STANDARD	0.100	07:31
BLANK TEST	0.000	07:32
EXTERNAL STANDARD	0.101	07:32
BLANK TEST	0.000	07:33
EXTERNAL STANDARD	0.100	07:33
BLANK TEST	0.000	07:34
EXTERNAL STANDARD	0.100	07:35
BLANK TEST	0.000	07:35

Average = 0.1002
Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

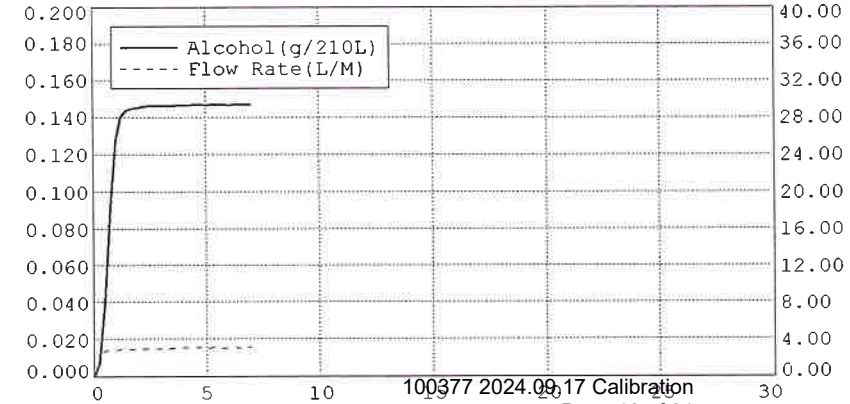
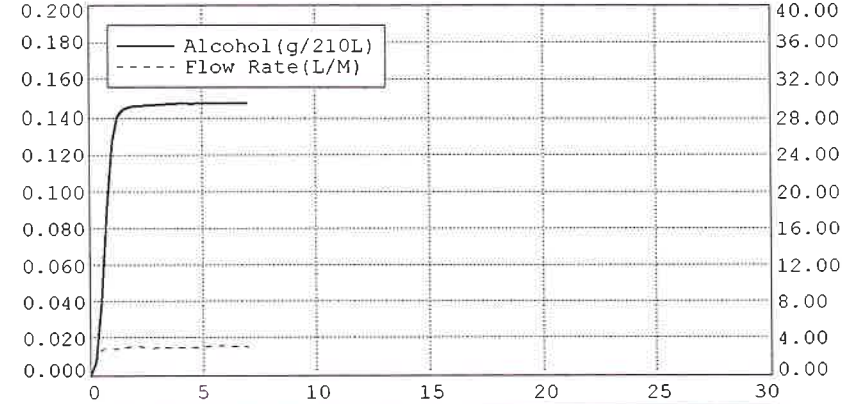
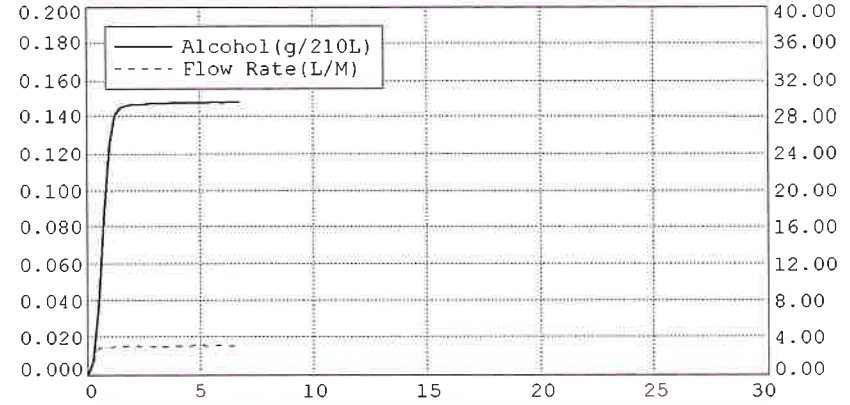
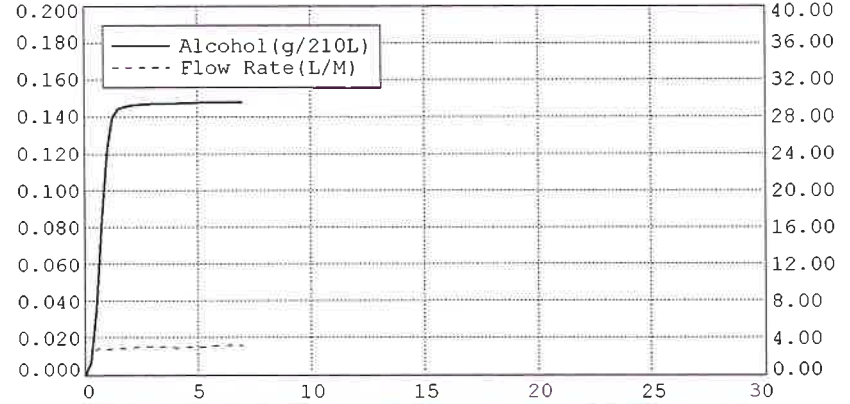
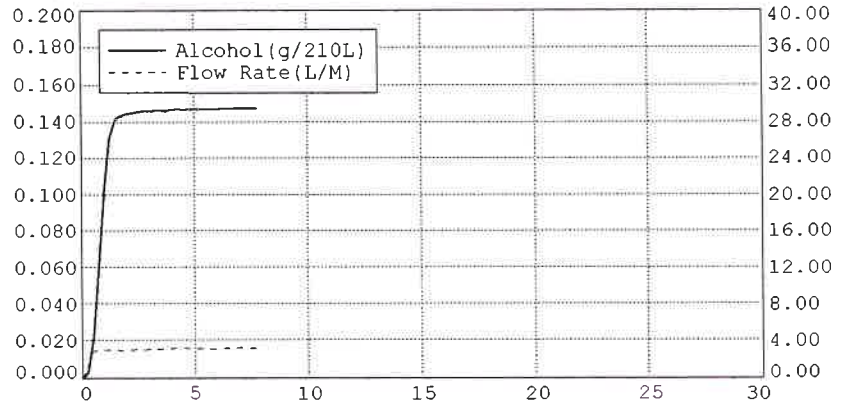
Date: 09/16/2024
 Time: 07:36:27

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.150
 TARGET AT 29.07: 0.146
 LOT #: AG332004
 EXPIRATION: 11/16/2025
 TANK PRESSURE: 408 psi

BLANK TEST	0.000	07:38
INTERNAL STANDARD	VERIFIED	07:38
EXTERNAL STANDARD	0.147	07:38
BLANK TEST	0.000	07:39
EXTERNAL STANDARD	0.148	07:39
BLANK TEST	0.000	07:40
EXTERNAL STANDARD	0.149	07:40
BLANK TEST	0.000	07:41
EXTERNAL STANDARD	0.148	07:41
BLANK TEST	0.000	07:42
EXTERNAL STANDARD	0.147	07:42
BLANK TEST	0.000	07:43

Average = 0.1478
 Std Dev = 0.0008



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

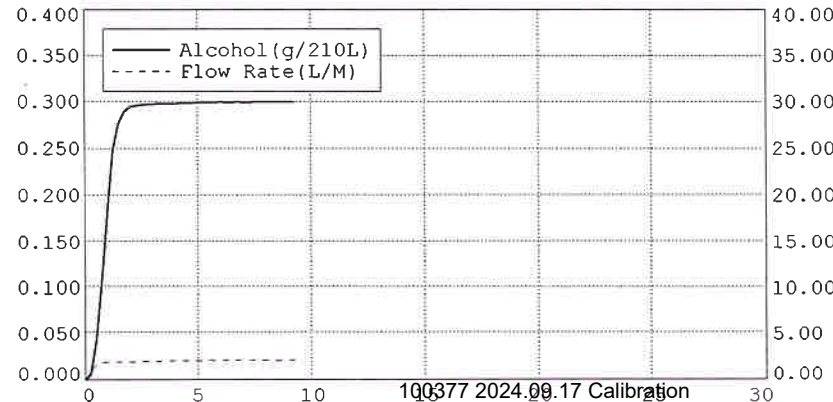
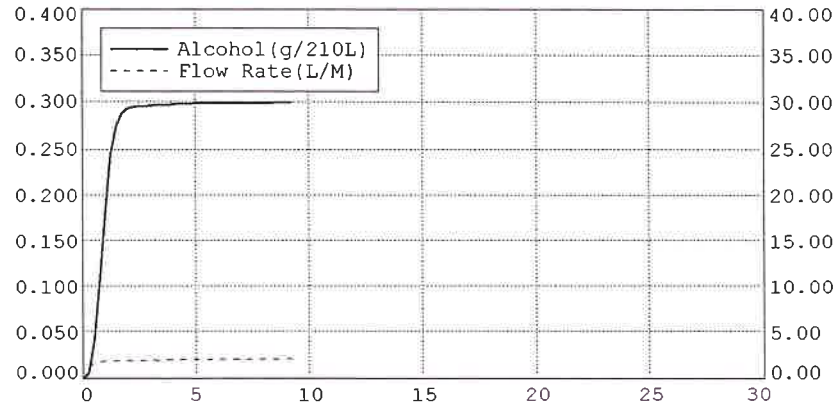
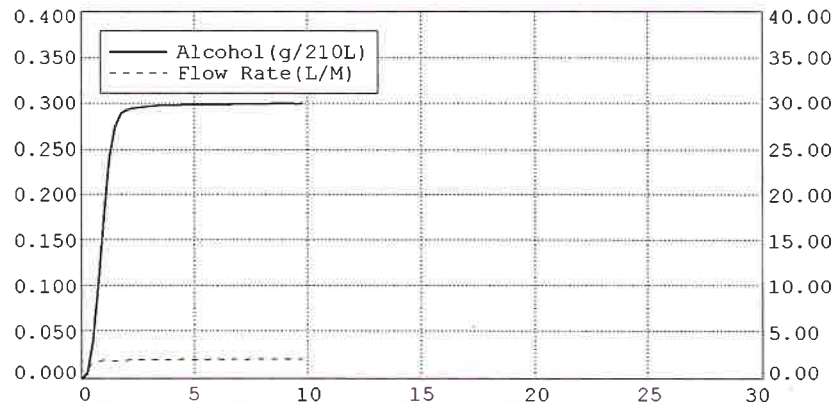
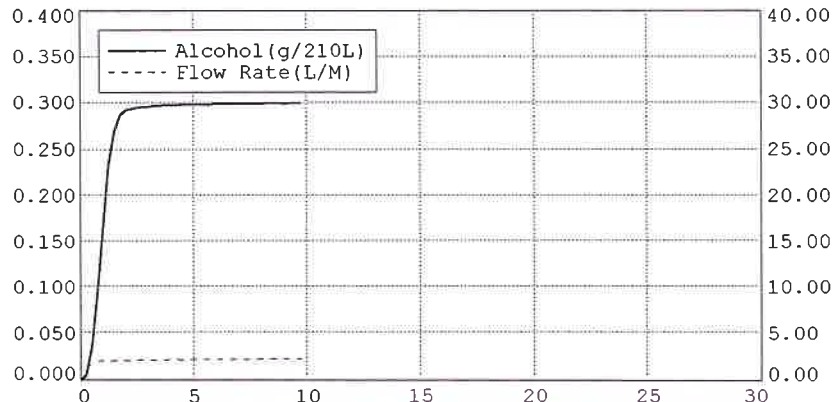
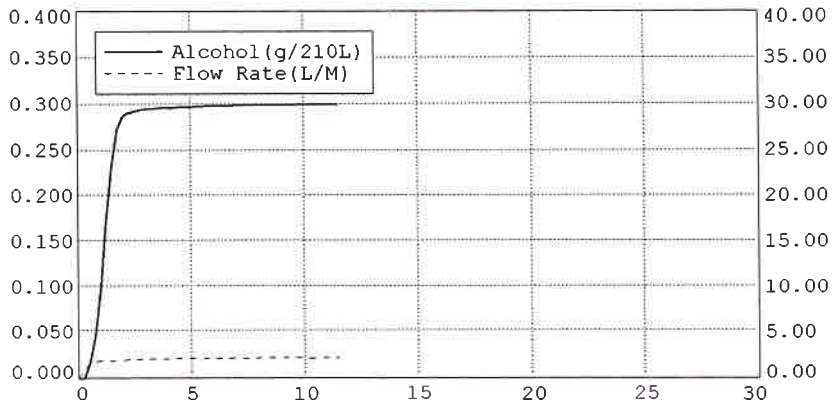
Date: 09/16/2024
 Time: 07:44:47

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.07: 0.292
 LOT #: AG327804
 EXPIRATION: 10/05/2025
 TANK PRESSURE: 128 psi

BLANK TEST	0.000	07:46
INTERNAL STANDARD	VERIFIED	07:46
EXTERNAL STANDARD	0.300	07:46
BLANK TEST	0.000	07:47
EXTERNAL STANDARD	0.300	07:47
BLANK TEST	0.000	07:48
EXTERNAL STANDARD	0.300	07:48
BLANK TEST	0.000	07:49
EXTERNAL STANDARD	0.300	07:50
BLANK TEST	0.000	07:51
EXTERNAL STANDARD	0.300	07:51
BLANK TEST	0.000	07:52

Average = 0.3000
 Std Dev = 0.0000



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 08:10:54

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

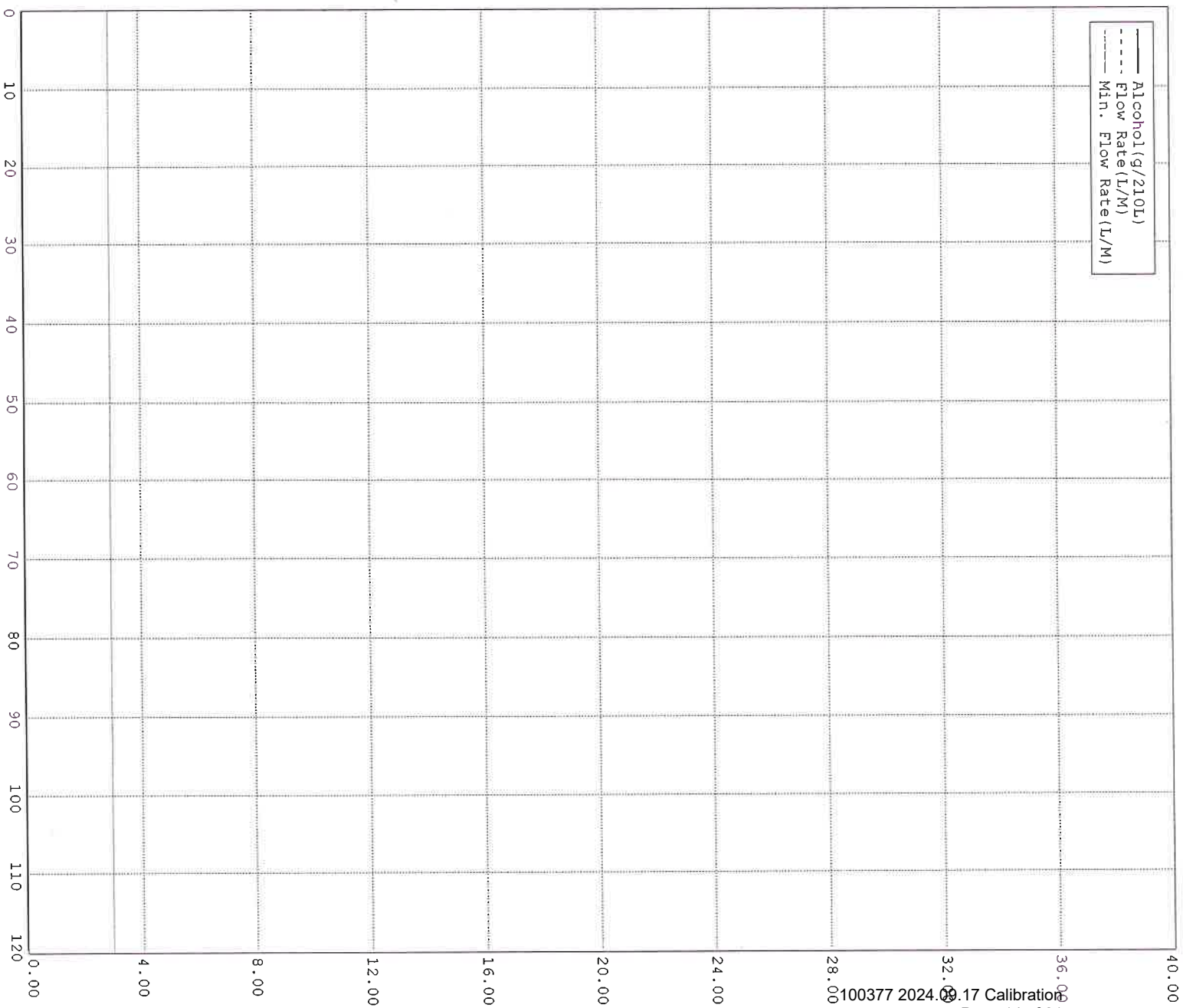
DEPT/AGENCY:
INCOMPLETE
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.07: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	08:11
BLANK TEST	0.000	08:12
INTERNAL STANDARD	VERIFIED	08:12
EXTERNAL STANDARD	0.080	08:12
BLANK TEST	0.000	08:13
SUBJECT SAMPLE	INCOMPLETE	08:15

KS



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 08:17:10

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

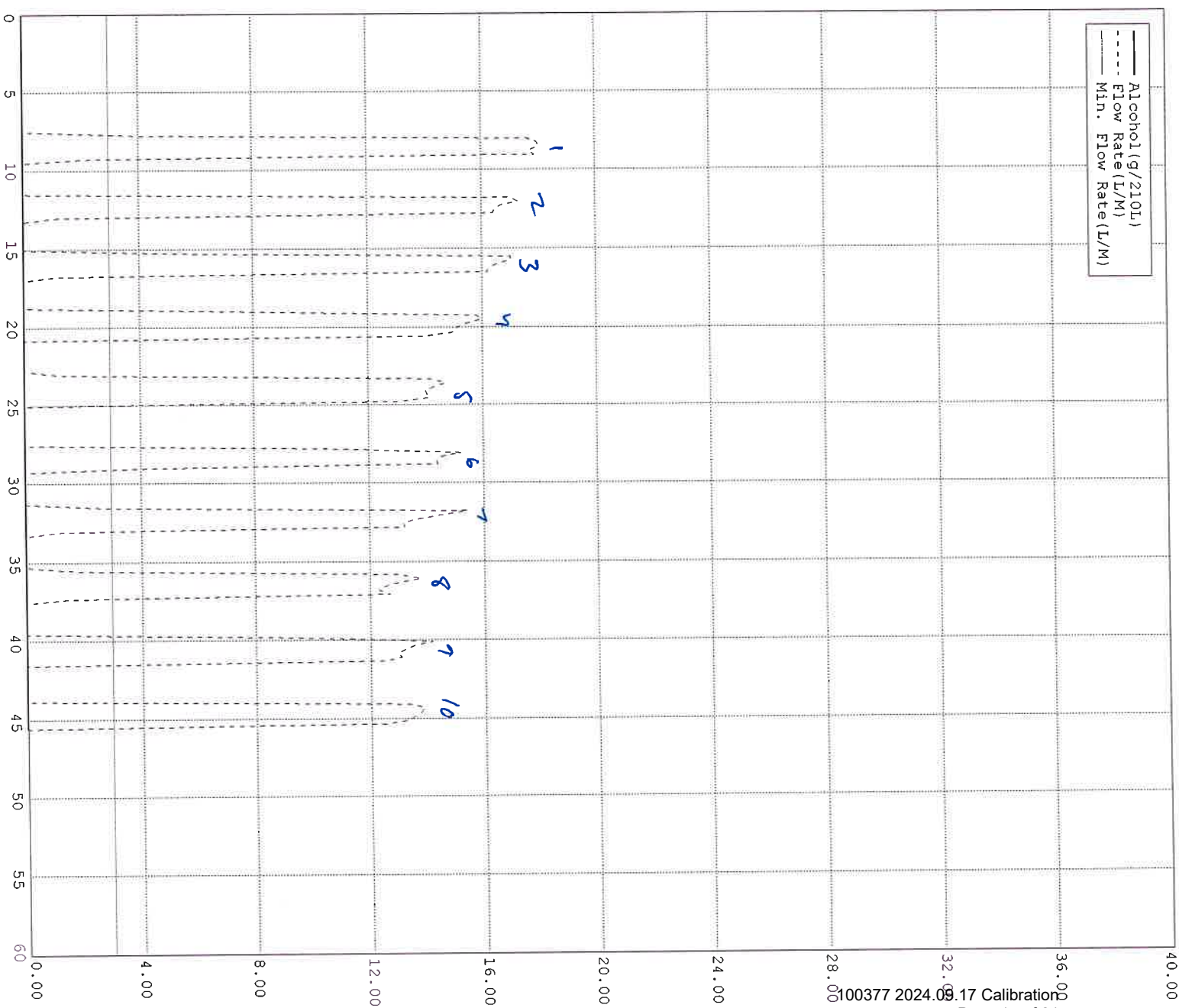
DEPT/AGENCY:
MAX ATTEMPTS EXCEEDED
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.07: 0.078
LOI #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	08:18
BLANK TEST	0.000	08:18
INTERNAL STANDARD	VERIFIED	08:18
EXTERNAL STANDARD	0.079	08:18
BLANK TEST	0.000	08:19
SUBJECT SAMPLE	XXX	08:20

Maximum Attempts Exceeded

YS



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 08:21:57

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

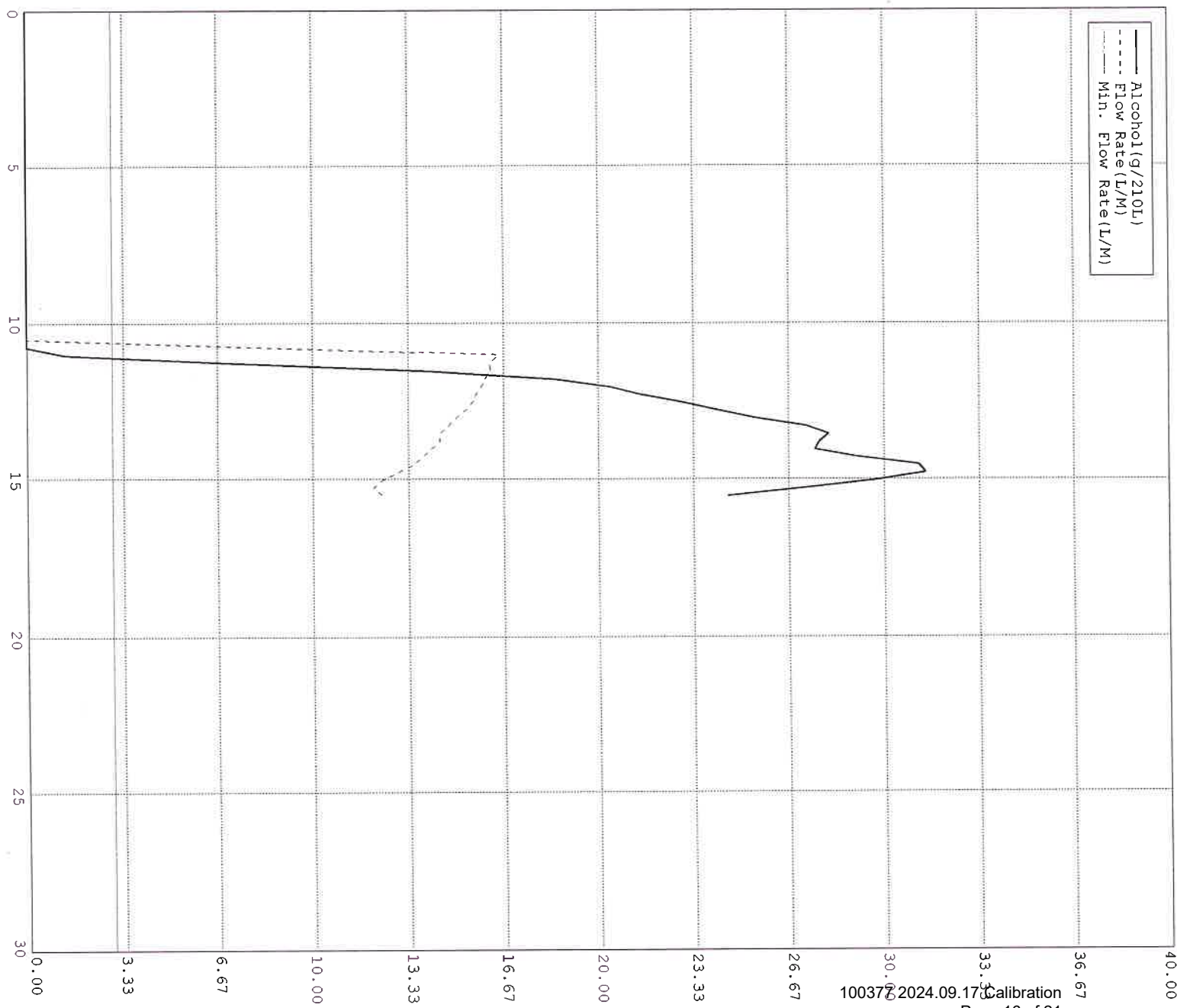
OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
INVALID
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.07: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	08:22
BLANK TEST	0.000	08:23
INTERNAL STANDARD	VERIFIED	08:23
EXTERNAL STANDARD	0.080	08:23
BLANK TEST	0.000	08:24
SUBJECT SAMPLE	INVALID	08:24

KS



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 08:26:30

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
RFI
CASE/REPORT: XXX
TEST TYPE: TEST

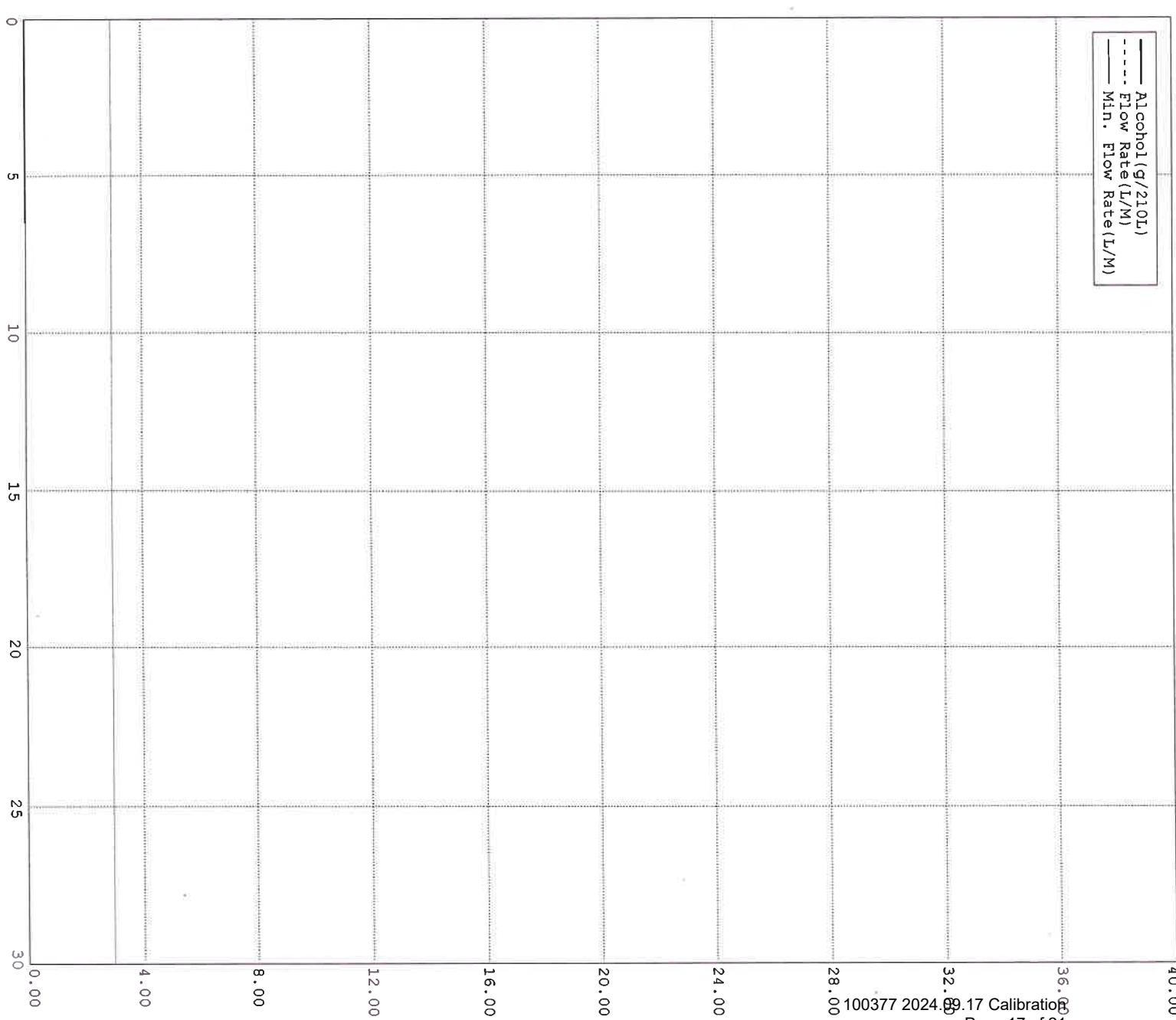
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.07: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	08:27
BLANK TEST	0.000	08:27
INTERNAL STANDARD	VERIFIED	08:27
EXTERNAL STANDARD	0.080	08:27
BLANK TEST	0.000	08:28

RFI DETECTED

K-5



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 08:48:48

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
INTERFERENCE - ACETONE
CASE/REPORT: XXX
TEST TYPE: TEST

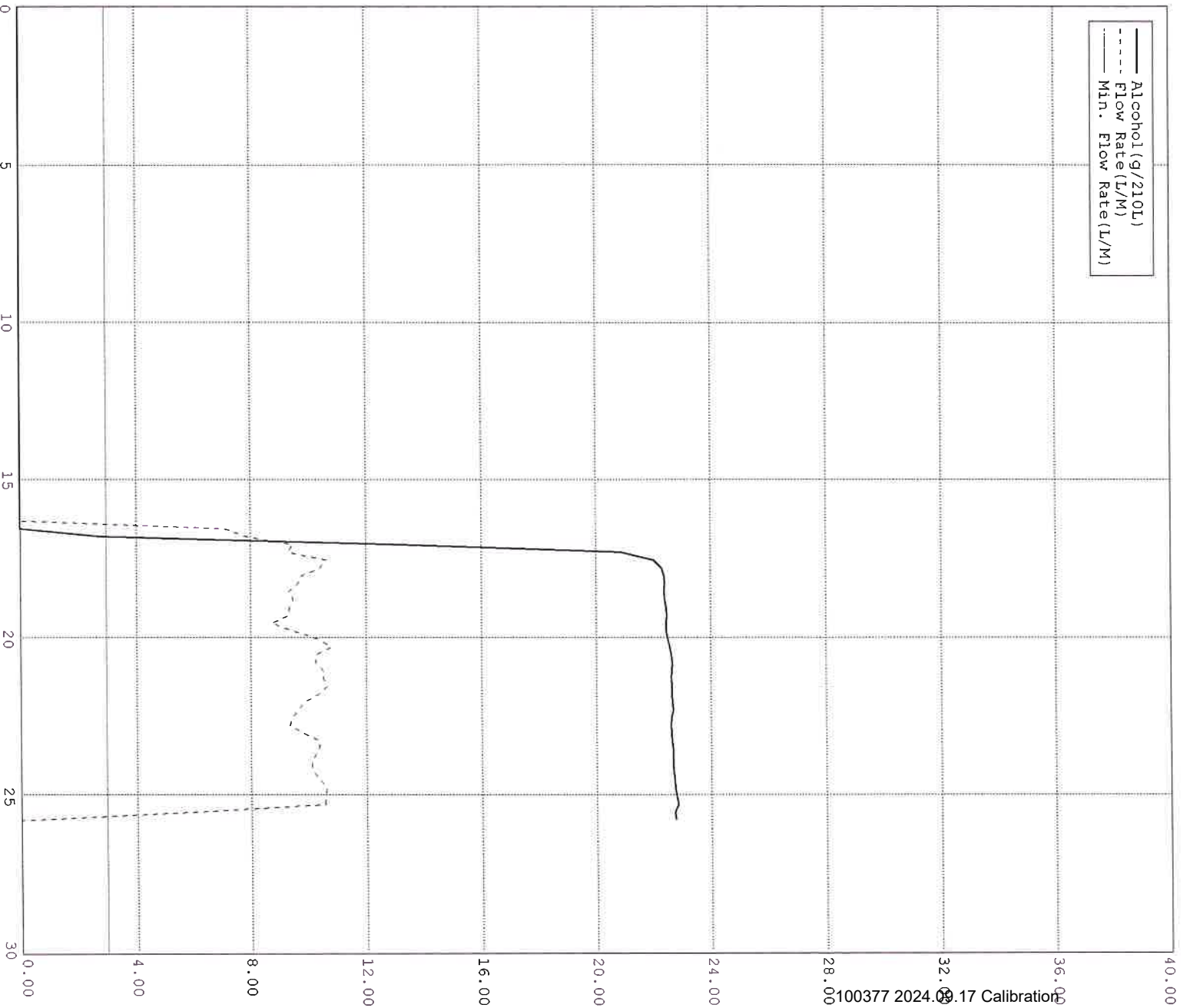
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.07: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	08:49
BLANK TEST	0.000	08:49
INTERNAL STANDARD	VERIFIED	08:50
Xq = 0.087 (0.20%)		
EXTERNAL STANDARD	0.079	08:50
X[1] = 0.0788 (-0.0005)	(0.0014)	
BLANK TEST	0.000	08:51
SUBJECT SAMPLE	XXX	08:51
X[1] = 0.1145 (-0.0184)	(0.0006)	

Interference Detected

Filter 2 ave: -0.0004
Filter 3 ave: 0.0011
KS 9/17/24

KS



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 08:53:43

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
INTERFERENCE - IPA
CASE/REPORT: XXX
TEST TYPE: TEST

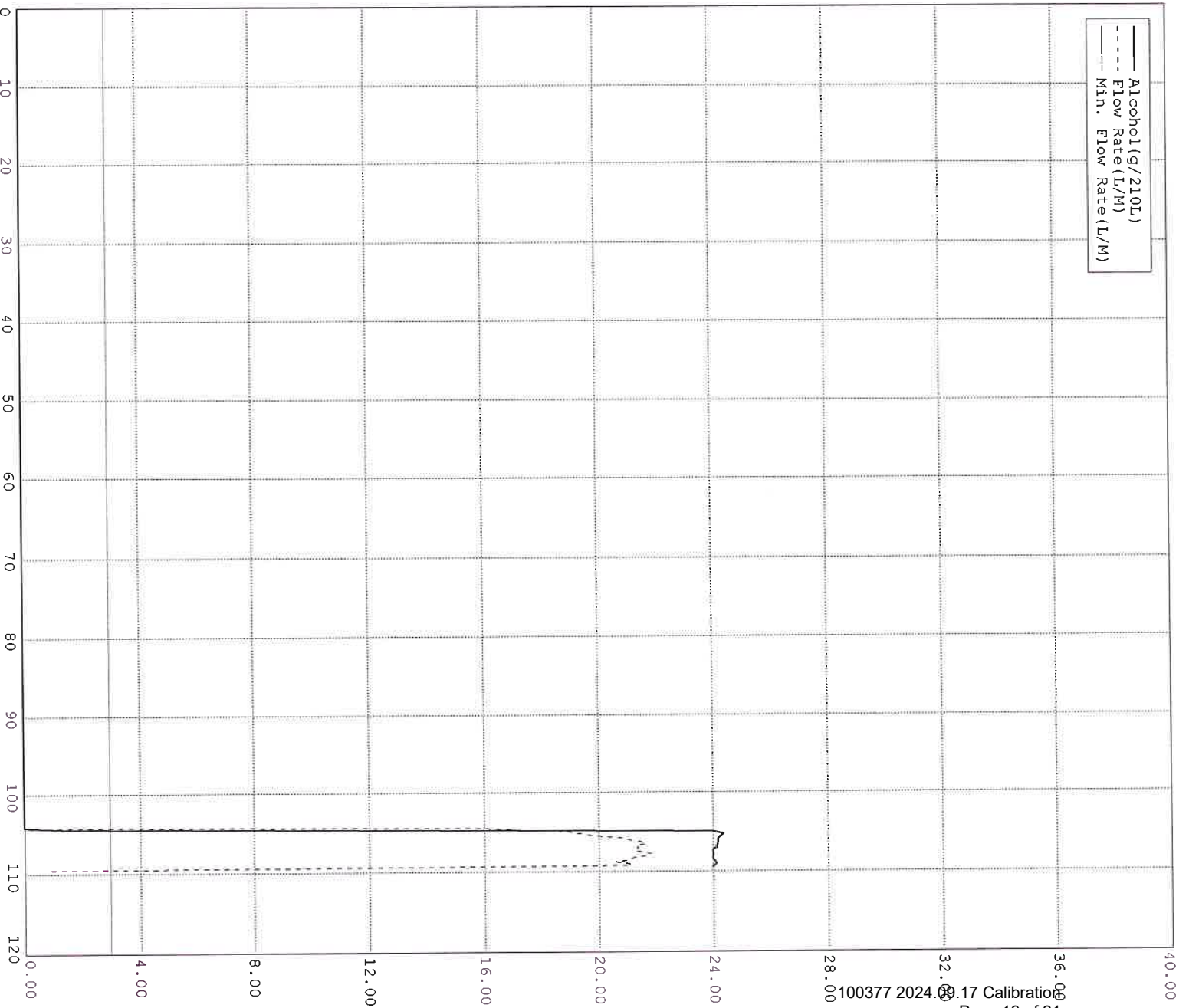
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.07: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	08:54
BLANK TEST	0.000	08:54
INTERNAL STANDARD	VERIFIED	08:55
Xq = 0.087 (0.00%)		
EXTERNAL STANDARD	0.080	08:55
X[1] = 0.0799 (-0.0008)	(0.0003)	
BLANK TEST	0.000	08:56
SUBJECT SAMPLE	XXX	08:58
X[1] = 0.1198 (-0.0322)	(-0.0003)	

Interference Detected

KS



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 09:00:41

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

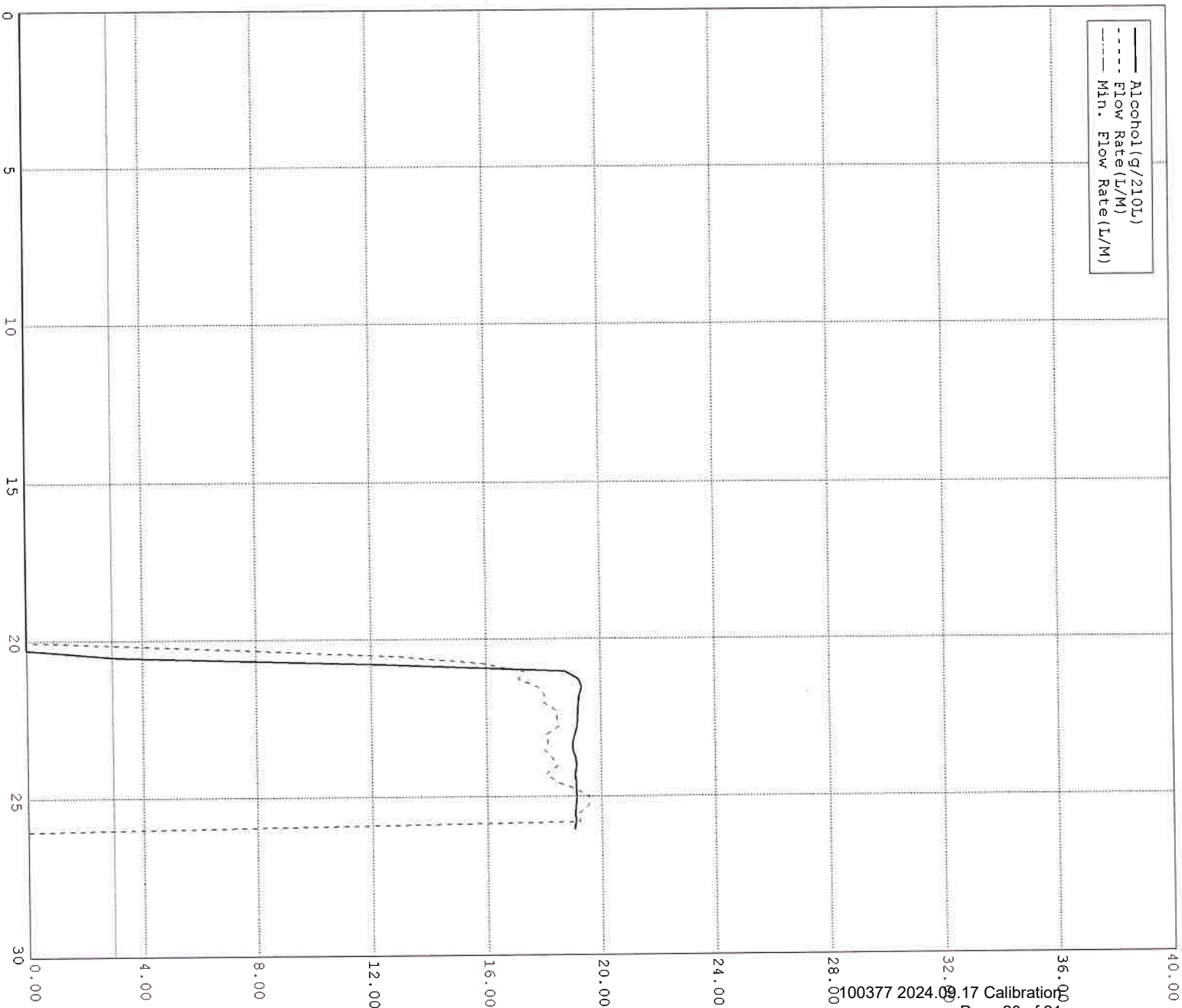
OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
INTERFERENCE - NEGATIVE
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.07: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	09:01
BLANK TEST	0.000	09:01
INTERNAL STANDARD	VERIFIED	09:01
Xq = 0.086 (0.70%)		
EXTERNAL STANDARD	0.079	09:02
X[1] = 0.0787 (-0.0010)	(0.0007)	
BLANK TEST	0.000	09:03
SUBJECT SAMPLE (Vol=1.69L)	0.095	09:03
X[1] = 0.0957 (0.0001)	(-0.0006)	
BLANK TEST	0.000	09:04
EXTERNAL STANDARD	0.079	09:04
X[1] = 0.0792 (0.0006)	(0.0019)	
BLANK TEST	0.000	09:05

KS



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 09/16/2024
Time: 09:30:34

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAJJA SWISHER
OPERATOR'S #: 10746

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.05: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	09:31
BLANK TEST	0.000	09:31
INTERNAL STANDARD	VERIFIED	09:31
EXTERNAL STANDARD	0.080	09:32
BLANK TEST	0.000	09:33
SUBJECT SAMPLE (Vol=2.22L)	0.000	09:33
BLANK TEST	0.000	09:34
EXTERNAL STANDARD	0.079	09:34
BLANK TEST	0.000	09:35

KS

