



Breath Alcohol Calibration Report
Calibration Item: DataMaster DMT
Serial Number: 100402

Report Issue Date: 11/05/2025
Date Received: 2025-08-26
Condition of Item: Damaged

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

Following failed upload attempts I checked the Cermetek Box and modem wires. During this check the screen went black and the instrument wouldn't turn on. PSB light still on. Suspect controller board or screen.

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	0.020	0.020	0.020	0.019	0.020	+/- 0.002
0.040	0.039	AG407908	0.039	0.039	0.039	0.039	0.039	0.039	+/- 0.003
0.080	0.078	AG335202	0.076	0.076	0.076	0.076	0.076	0.076	+/- 0.004
0.100	0.097	AG333401	0.097	0.097	0.097	0.096	0.097	0.097	+/- 0.004
0.150	0.146	AG332004	0.143	0.142	0.142	0.142	0.142	0.142	+/- 0.006
0.300	0.292	AG427706	0.288	0.287	0.287	0.287	0.288	0.287	+/- 0.012

As Left Conditions - Barometric Pressure (inHg): 29.17 Barometer Used: VWR S/N 240680771 Temperature (C): 21.6 Relative Humidity (%): 16

As-Left Lab Activity Date Range: 10/29/2025 - 10/29/2025

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 11/03/2025

kaija.swisher@alaska.gov

Technically and administratively reviewed by Carlie Glaister on 11/05/2025

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

Effective: 1/23/2024

Version: 4.0

Instrument #: 100402 Analyst or Technician Name: Kaija Swisher

DataMaster DMT Calibration Start Date: 10/29/25

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: 240680771
Calibration Due Date: 9/10/26
- ☒ 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: 1.5 liters (1.3 L to 1.7 L)

As Left Linearity Testing

Barometric Pressure (in Hg) 29.17 Temperature(C) 21.6 Relative Humidity(%) 16
Approved Concentrations (g/210L): 0.020, 0.040, 0.080, 0.100, 0.150, 0.300

Functional Tests

- ☒ Incomplete
- ☒ Invalid
- ☒ Interference (Volatiles) - *Print with View Details*
- ☒ Maximum Attempts Exceeded
- ☒ Radio Frequency Interference (RFI)

- 1. Acetone Reagent Lot Number: 20250922KS Expiration Date: 12/22/25
Simulator S/N: DR4178 Thermometer Verification Performed? ☒
- 2. Isopropanol Reagent Lot Number: 20250922KS Expiration Date: 12/22/25
Simulator S/N: DR4177 Thermometer Verification Performed? ☒
- 3. Negative (Ethanol Only) Lot Number: 25CP41280 Expiration Date: 12/22/25
Simulator S/N: DR4163 Thermometer Verification Performed? ☒ 3/19/27 (Solution)

Calibrated External Thermometer S/N: 250159297

Calibration Due Date: 3/19/27

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: 10/29/25

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

Data Interpretation Date (Analyst): 10/29/25

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

DIAGNOSTIC RECORD

 Alaska Department of Public Safety
 DATAMASTER dmt: 100402

Date: 10/29/2025
 Time: 08:08:15

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 = 46.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.82 V	PASSED
(1.09 V - 2.55 V)	
Cooler Voltage = 1.84 V	PASSED
(1.10 V - 2.58 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 528 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.641 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
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.078 1.32% (0.00% - 4.00%)

Technician Screen

DATAMASTER dmt: 100402

Date: 10/29/2025
Time: 8:18 AM

Temperatures (°C)
Sample Cell: 48.9°C
Breath Tube: 46.5°C

Current Barometer 29.2 in
Volume (Ltr) 1.57

Settings
Lamp: 1.82 V
Bias: 80 V
Cooler: 1.84 V
Chopper: 527 Hz

Voltages (V)
Flow: 1.05 V
Detector: -0.030 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 10/22/2025
Time: 14:33:20

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000		
CAL	=	0.960891	0.800	<= CAL < 1.200
b1	=	0.0007	0.0000	<= b1 < 0.0040
b2	=	0.0063	0.0010	<= b2 < 0.0100
b3	=	0.0009	0.0000	<= b3 < 0.0040
Xq	=	0.0792	0.0500	<= Xq < 0.2000
a21	=	1.176962	1.050	<= a21 < 1.300
a31	=	0.365472	0.300	<= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100402

Date: 10/29/2025
 Time: 08:22:17

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXX

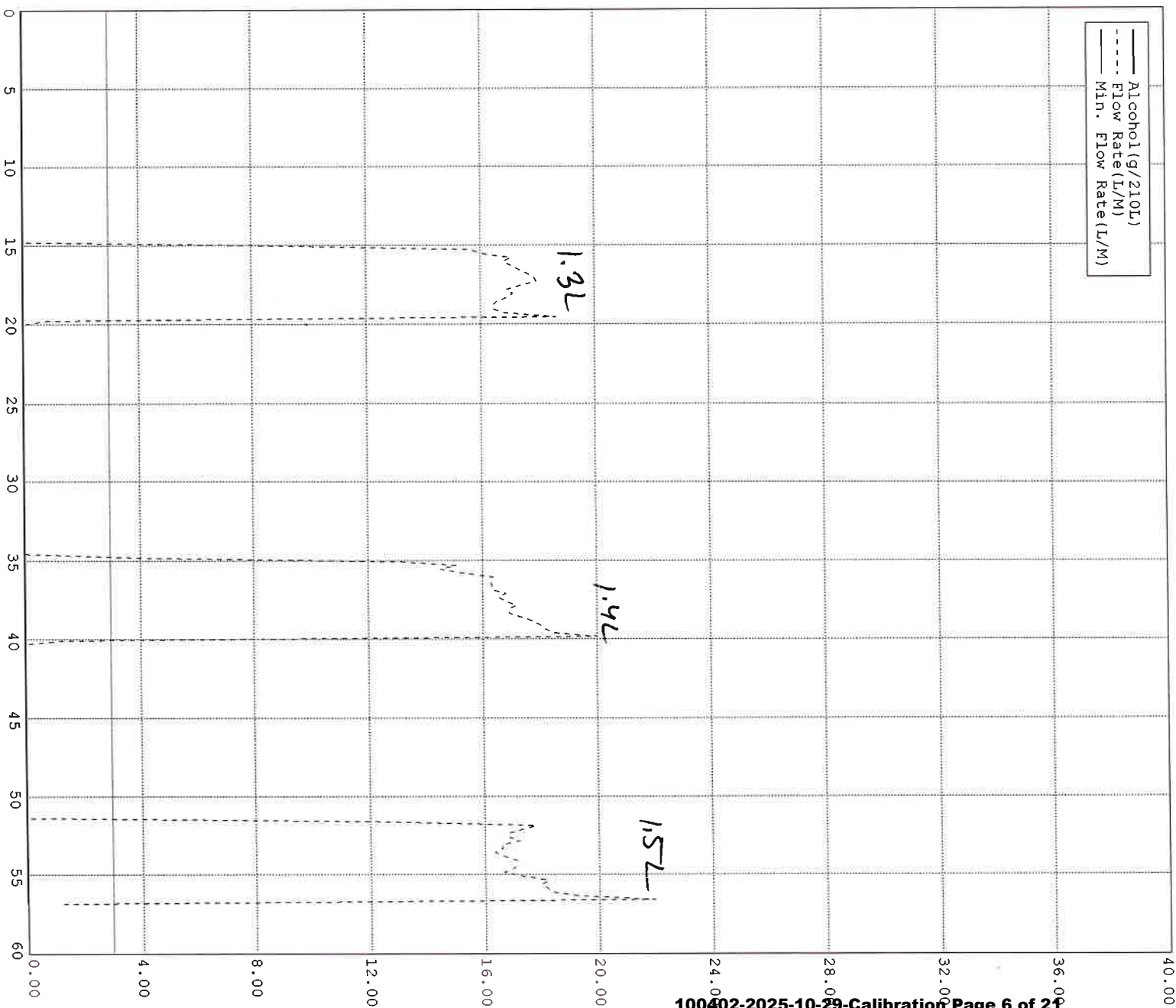
OPERATOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.16: 0.078
 LOT #: AG335202
 EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	08:23
BLANK TEST	0.000	08:23
INTERNAL STANDARD	VERIFIED	08:23
EXTERNAL STANDARD	0.076	08:23
BLANK TEST	0.000	08:24
SUBJECT SAMPLE (Vol=1.52L)	0.000	08:25
BLANK TEST	0.000	08:26
EXTERNAL STANDARD	0.076	08:26
BLANK TEST	0.000	08:27

KS



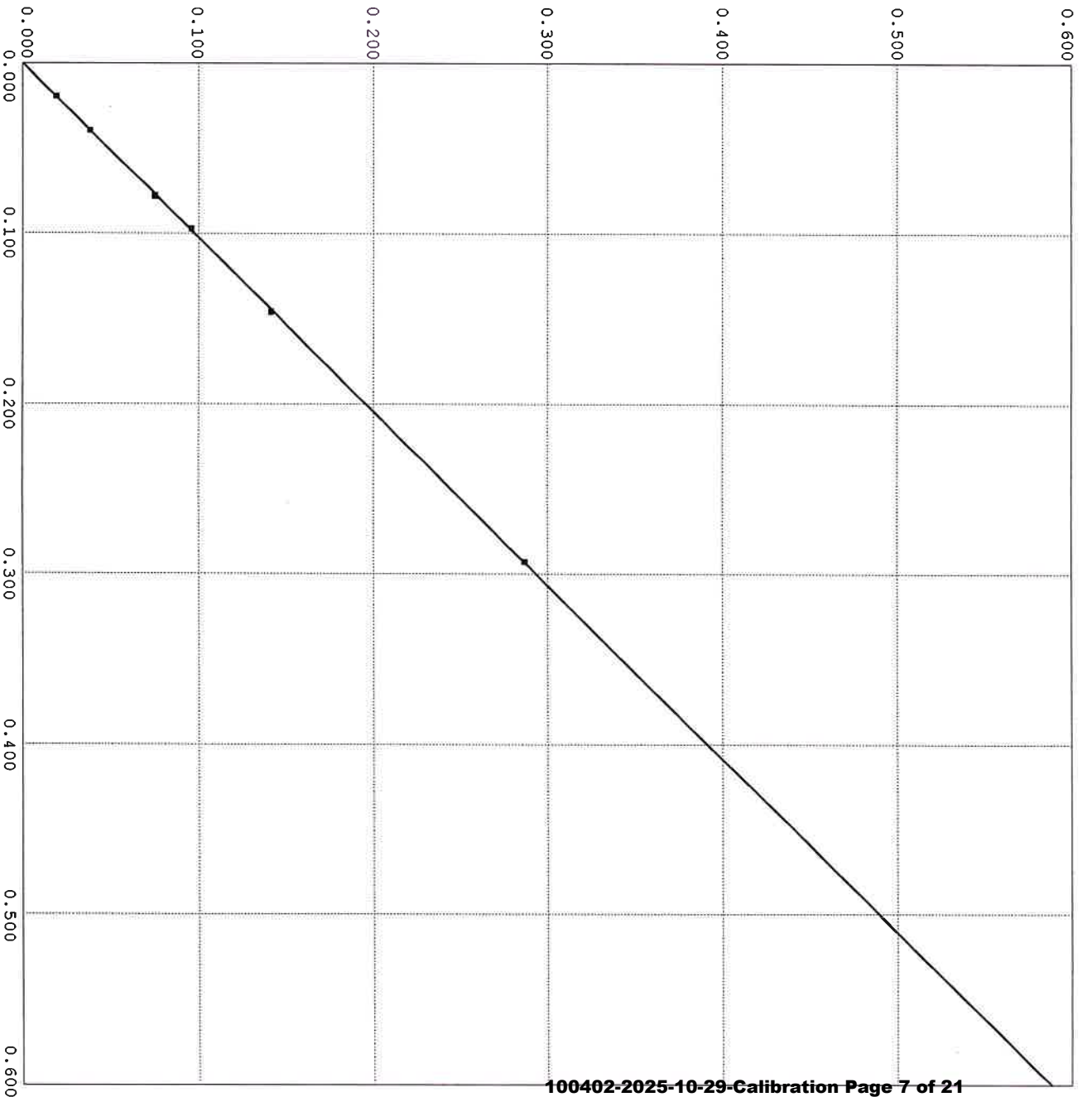
LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dmt: 100402

Date: 10/29/2025
 Time: 09:22:05

SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.019	0.0198	0.0004
0.039	0.0390	0.0000
0.078	0.0760	0.0000
0.097	0.0968	0.0004
0.146	0.1422	0.0004
0.292	0.2874	0.0005
SLOPE	= 0.980328	
R ²	= 0.999886	



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100402

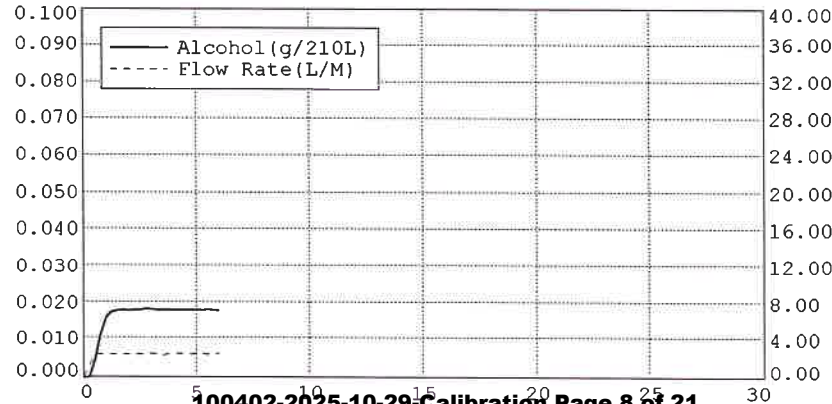
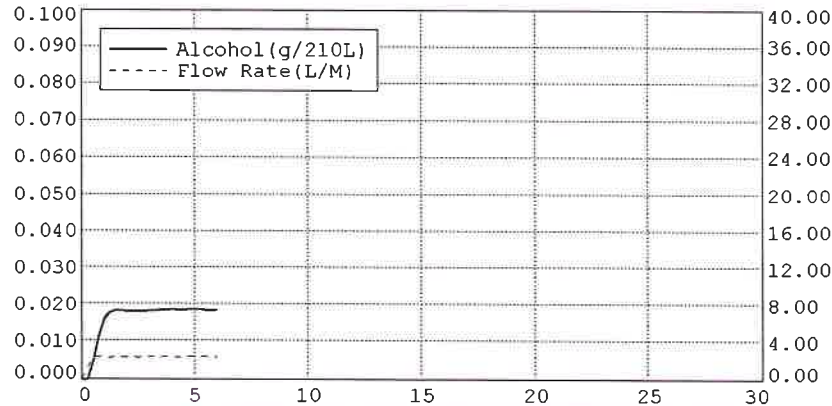
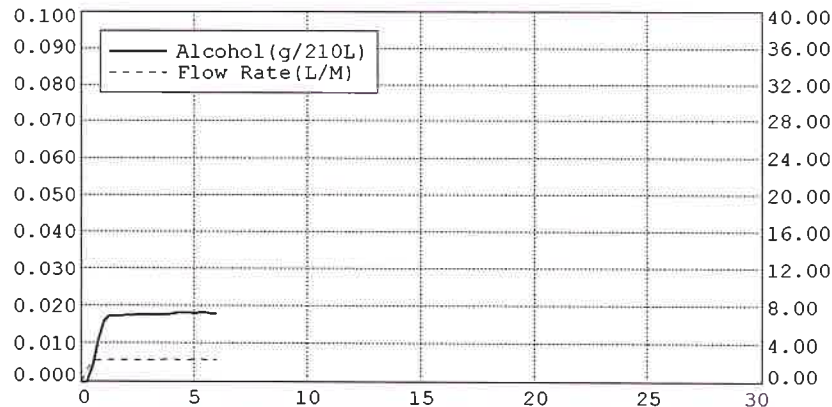
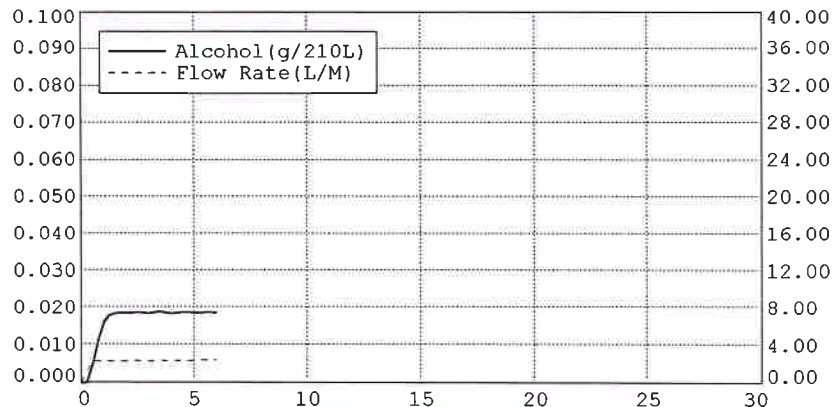
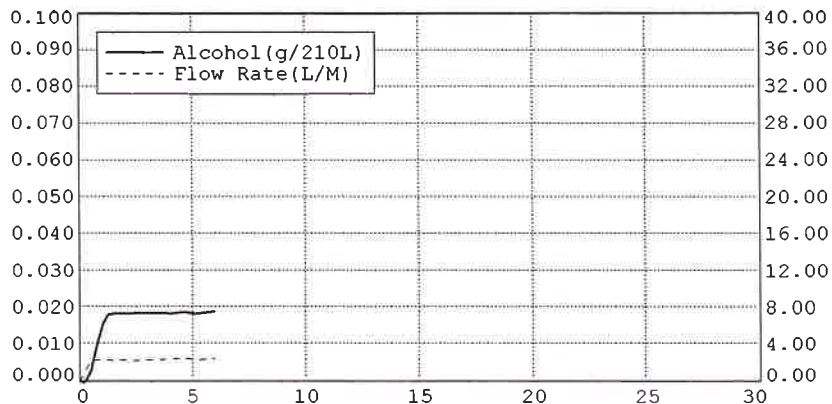
Date: 10/29/2025
Time: 09:22:07

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.11: 0.019
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 317 psi

TEST TYPE	CONCENTRATION	TIME
BLANK TEST	0.000	09:25
INTERNAL STANDARD	VERIFIED	09:25
EXTERNAL STANDARD	0.020	09:25
BLANK TEST	0.000	09:26
EXTERNAL STANDARD	0.020	09:26
BLANK TEST	0.000	09:27
EXTERNAL STANDARD	0.020	09:28
BLANK TEST	0.000	09:28
EXTERNAL STANDARD	0.020	09:29
BLANK TEST	0.000	09:30
EXTERNAL STANDARD	0.019	09:30
BLANK TEST	0.000	09:31

Average = 0.0198
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100402

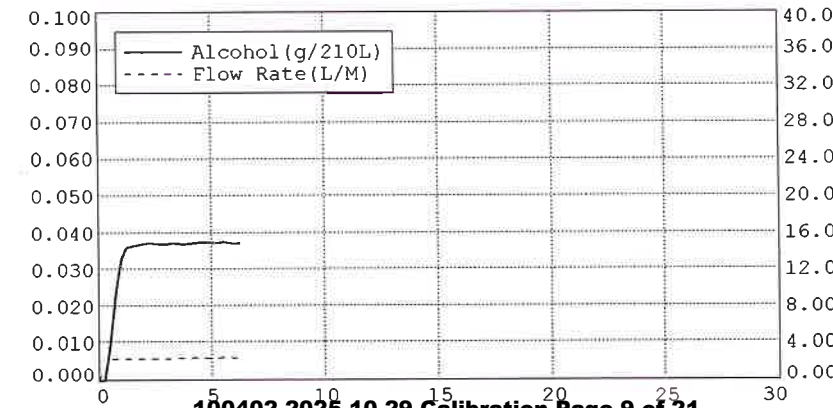
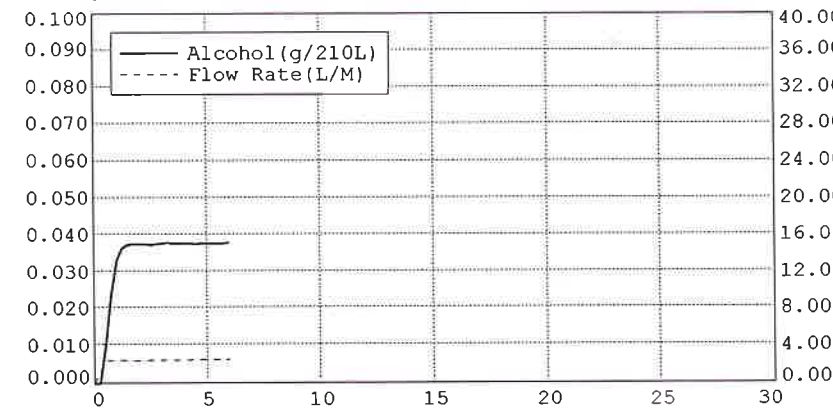
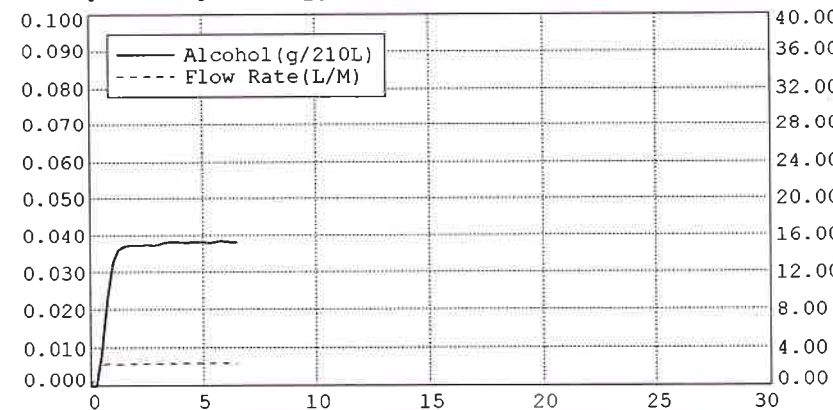
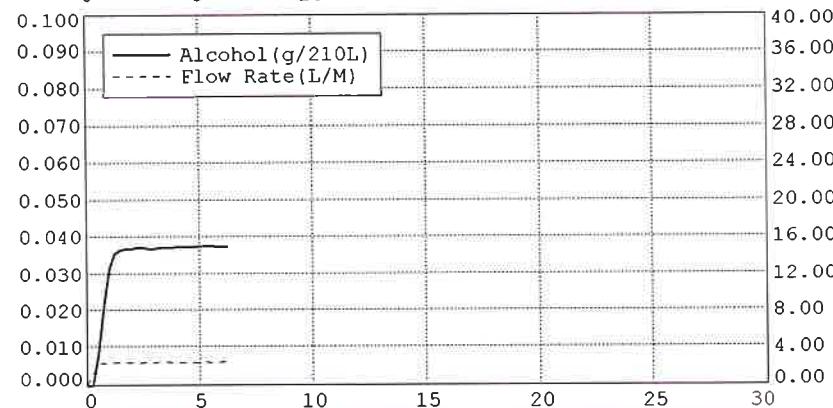
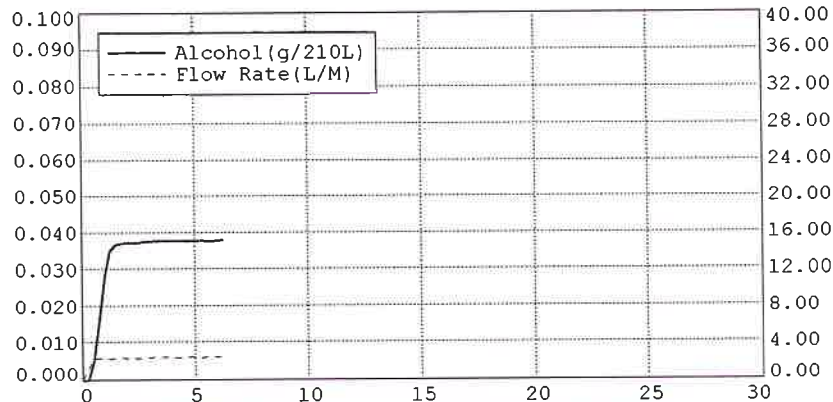
Date: 10/29/2025
Time: 09:33:08

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.10: 0.039
LOT #: AG407908
EXPIRATION: 03/19/2026
TANK PRESSURE: 608 psi

BLANK TEST	0.000	09:34
INTERNAL STANDARD	VERIFIED	09:34
EXTERNAL STANDARD	0.039	09:35
BLANK TEST	0.000	09:35
EXTERNAL STANDARD	0.039	09:36
BLANK TEST	0.000	09:37
EXTERNAL STANDARD	0.039	09:37
BLANK TEST	0.000	09:38
EXTERNAL STANDARD	0.039	09:38
BLANK TEST	0.000	09:39
EXTERNAL STANDARD	0.039	09:39
BLANK TEST	0.000	09:40

Average = 0.0390
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100402

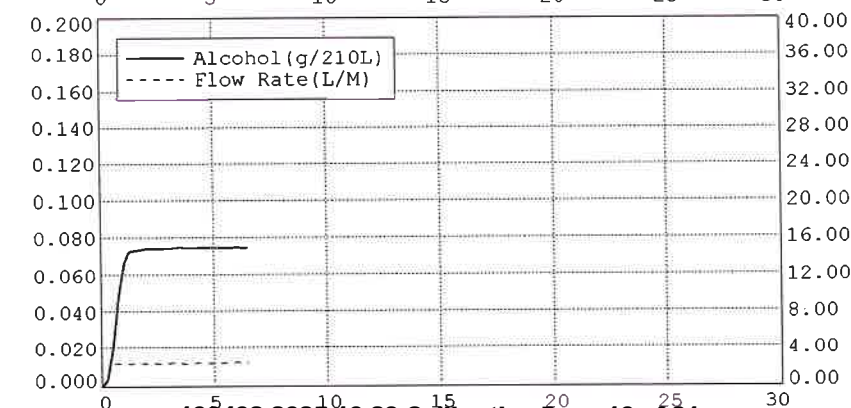
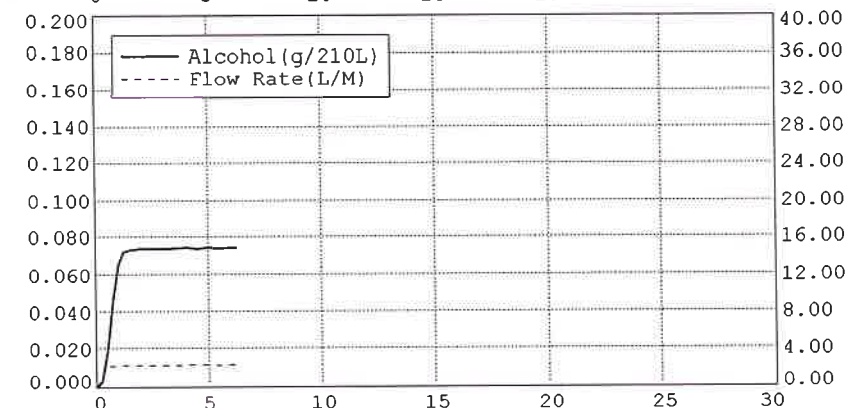
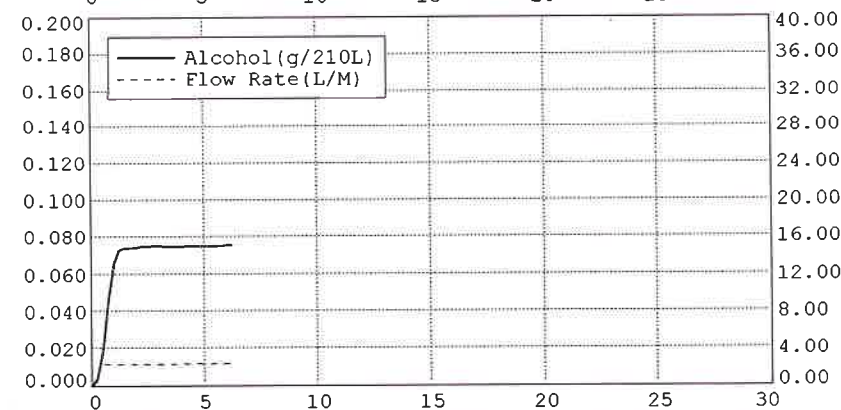
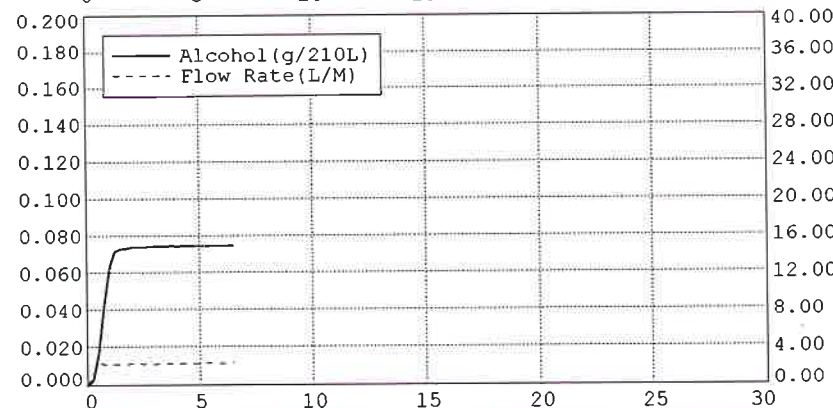
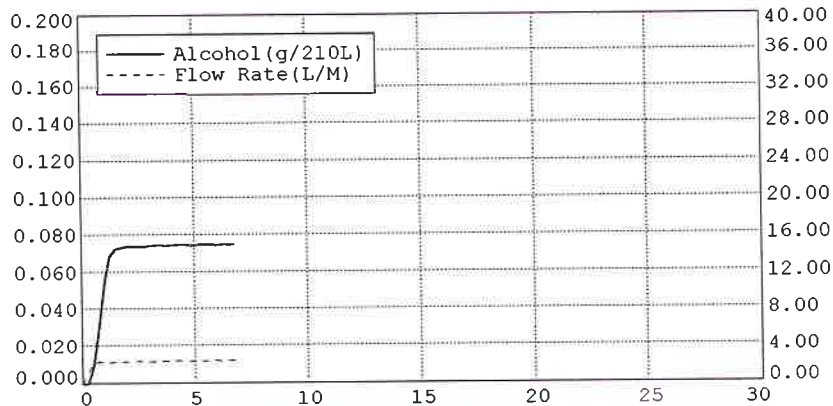
Date: 10/29/2025
Time: 09:40:50

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.09: 0.078
LOT #: AG333502 Lot# AG335202 KS 11/3/25
EXPIRATION: 12/18/2025
TANK PRESSURE: 204 psi

BLANK TEST	0.000	09:42
INTERNAL STANDARD	VERIFIED	09:42
EXTERNAL STANDARD	0.076	09:42
BLANK TEST	0.000	09:43
EXTERNAL STANDARD	0.076	09:43
BLANK TEST	0.000	09:44
EXTERNAL STANDARD	0.076	09:44
BLANK TEST	0.000	09:45
EXTERNAL STANDARD	0.076	09:45
BLANK TEST	0.000	09:46
EXTERNAL STANDARD	0.076	09:46
BLANK TEST	0.000	09:47

Average = 0.0760
Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER dmt: 100402

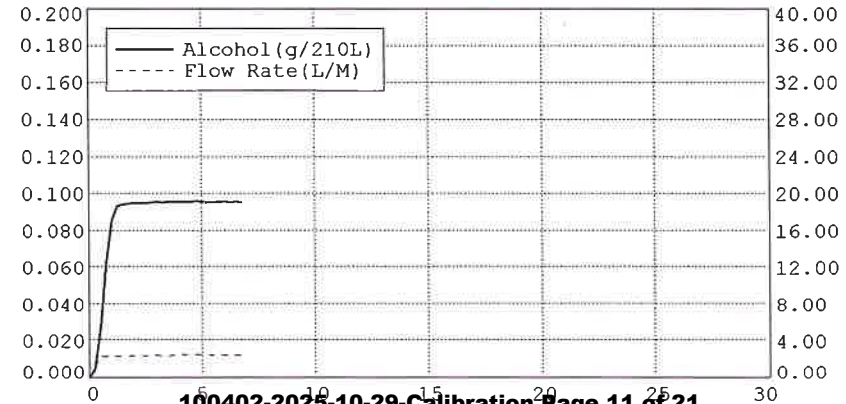
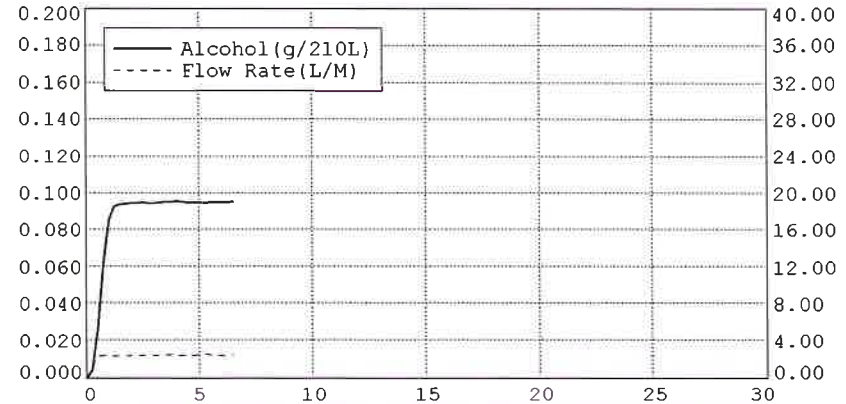
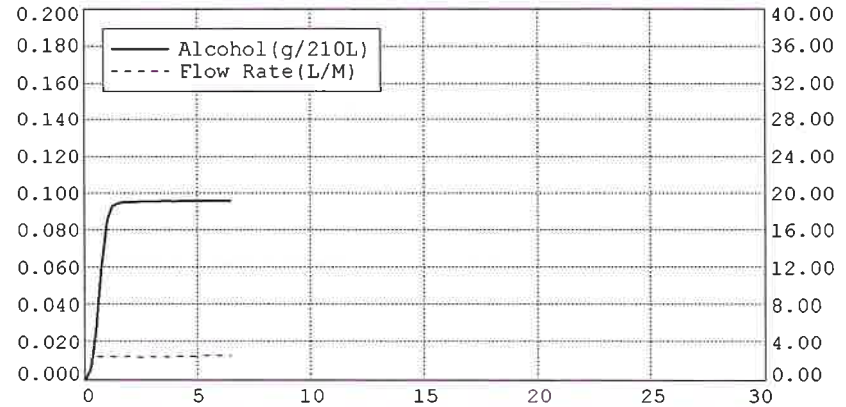
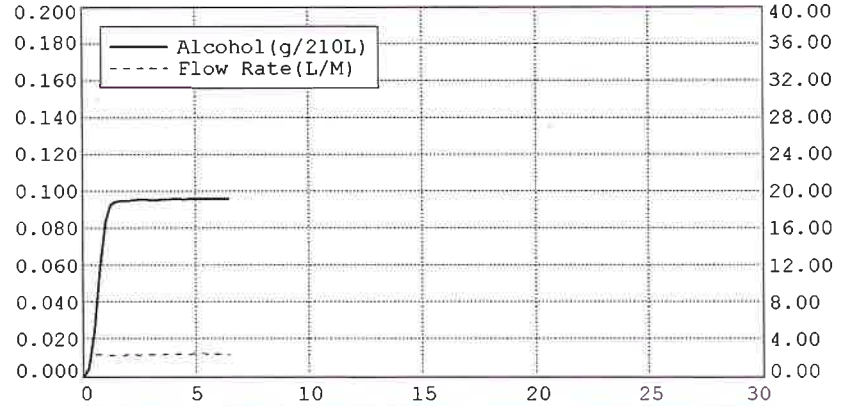
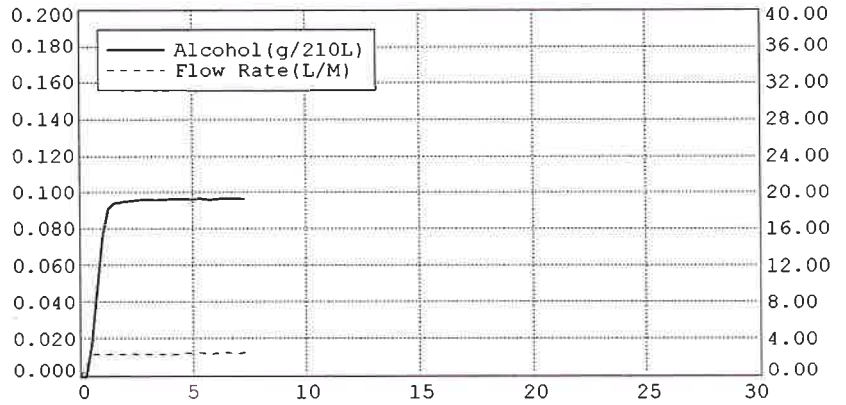
Date: 10/29/2025
Time: 09:49:41

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.10: 0.097
LOT #: AG333401
EXPIRATION: 11/30/2025
TANK PRESSURE: 780 psi

BLANK TEST	0.000	09:51
INTERNAL STANDARD	VERIFIED	09:51
EXTERNAL STANDARD	0.097	09:51
BLANK TEST	0.000	09:52
EXTERNAL STANDARD	0.097	09:52
BLANK TEST	0.000	09:53
EXTERNAL STANDARD	0.097	09:53
BLANK TEST	0.000	09:54
EXTERNAL STANDARD	0.096	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.097	09:56
BLANK TEST	0.000	09:56

Average = 0.0968
Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
DATAMASTER dmt: 100402

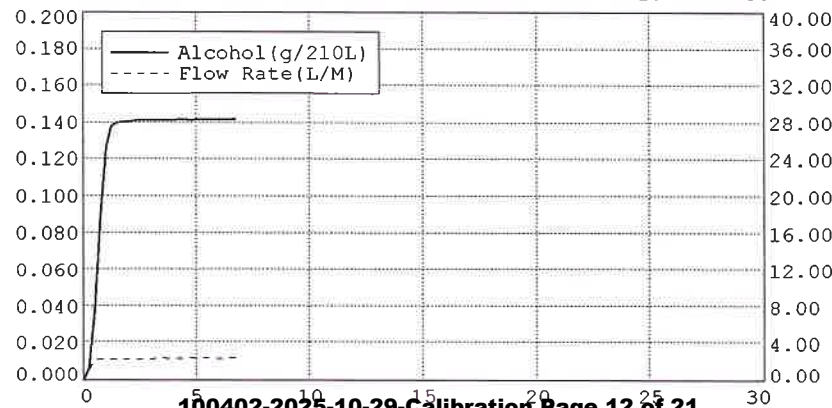
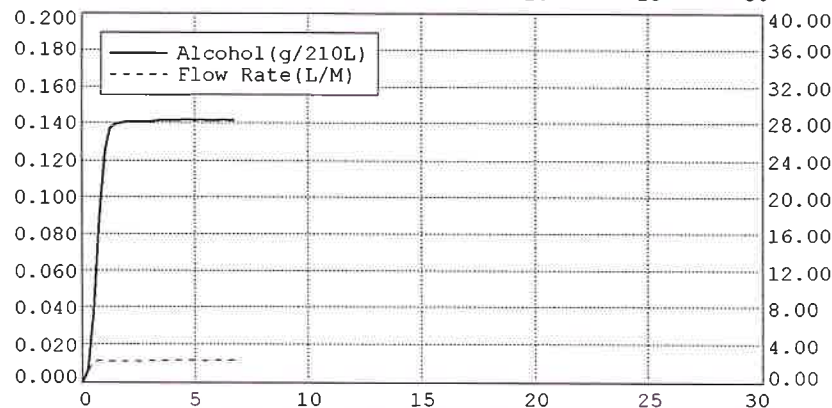
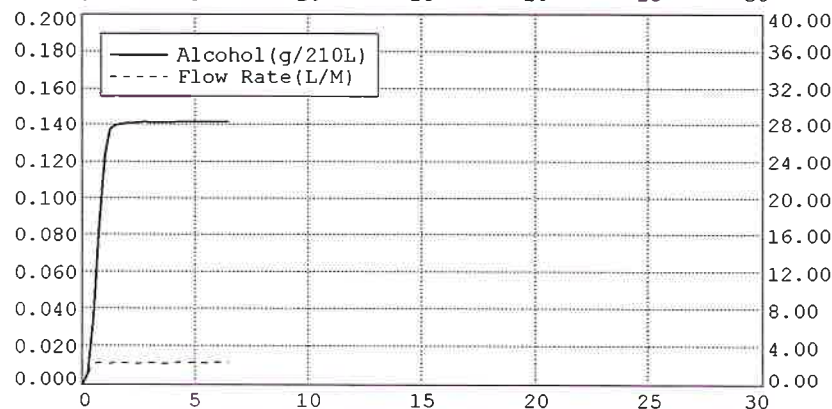
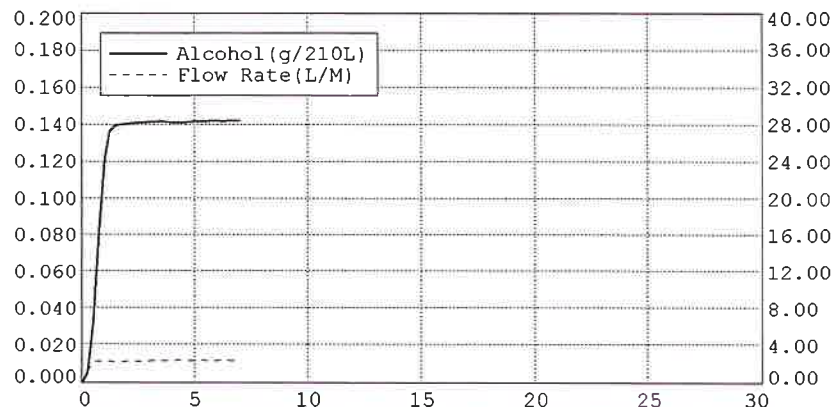
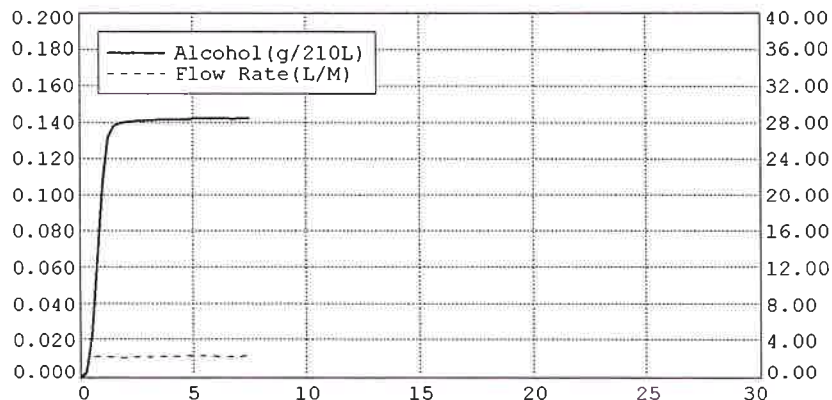
Date: 10/29/2025
Time: 09:59:36

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.150
TARGET AT 29.10: 0.146
LOT #: AG332004
EXPIRATION: 11/16/2025
TANK PRESSURE: 346 psi

BLANK TEST	0.000	10:01
INTERNAL STANDARD	VERIFIED	10:01
EXTERNAL STANDARD	0.143	10:01
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.142	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.142	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.142	10:04
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.142	10:05
BLANK TEST	0.000	10:06

Average = 0.1422
Std Dev = 0.0004



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100402

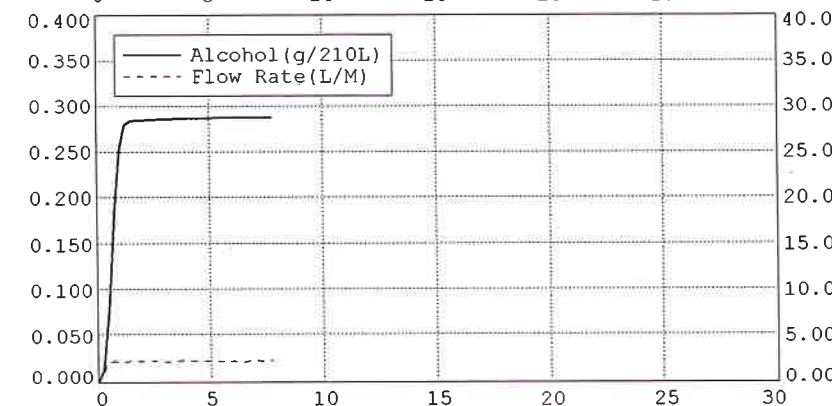
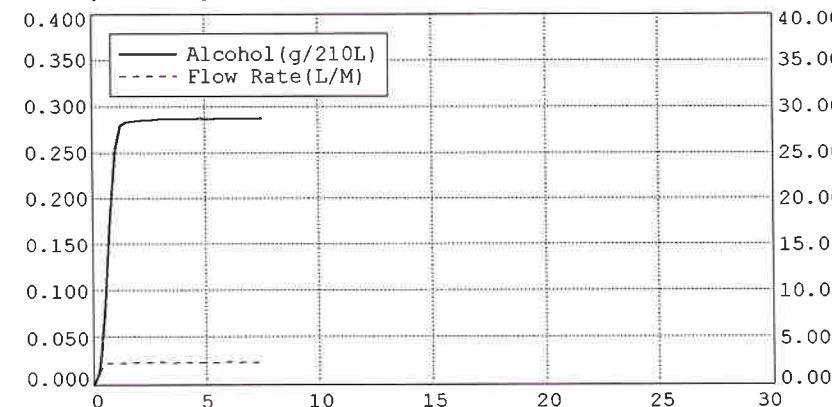
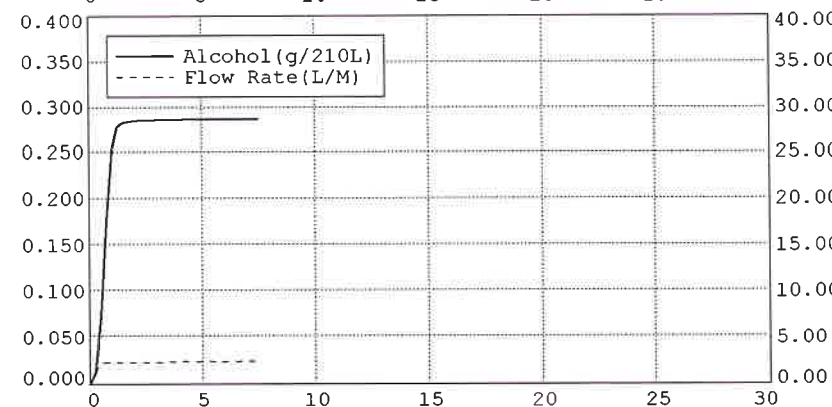
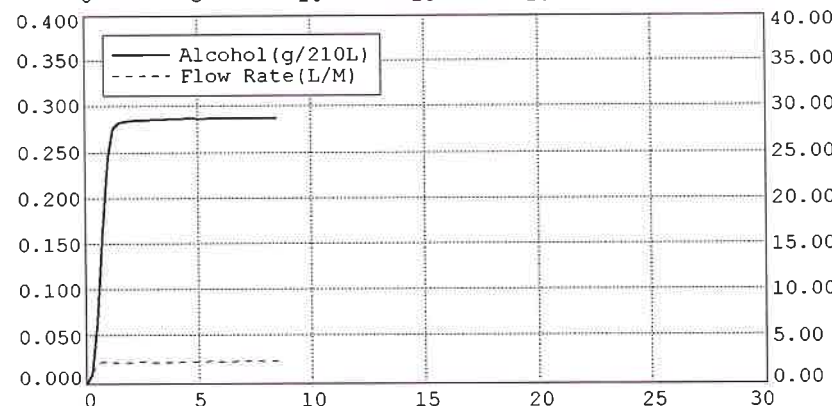
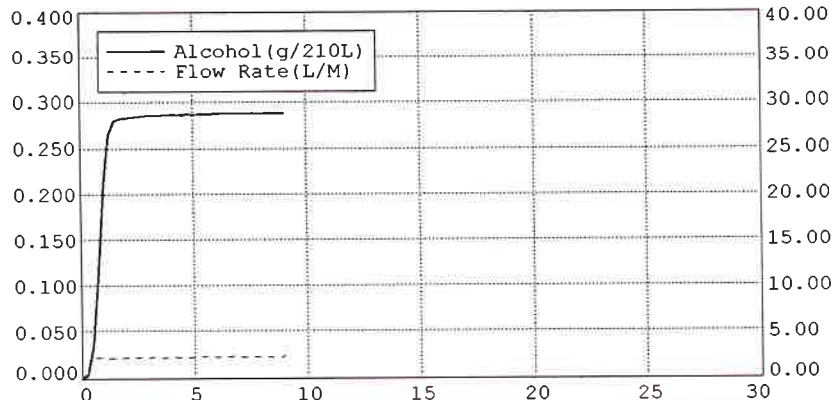
Date: 10/29/2025
Time: 10:08:48

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.09: 0.292
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 146 psi

TEST TYPE	Value	Time
BLANK TEST	0.000	10:10
INTERNAL STANDARD	VERIFIED	10:10
EXTERNAL STANDARD	0.288	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.287	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.287	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.287	10:13
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.288	10:15
BLANK TEST	0.000	10:15

Average = 0.2874
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

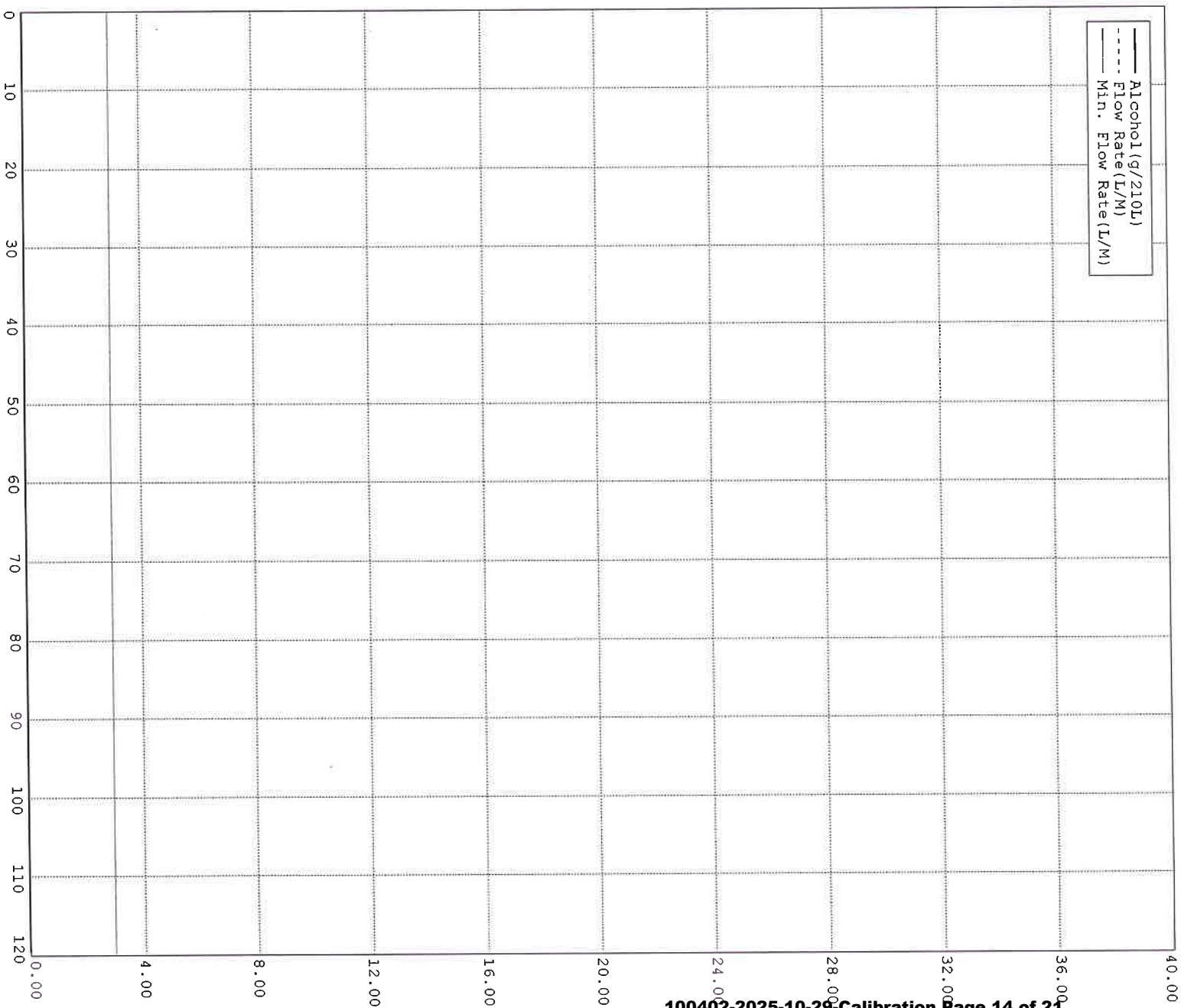
Date: 10/29/2025
Time: 10:21:30

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 29.08: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	10:22
BLANK TEST	0.000	10:22
INTERNAL STANDARD	VERIFIED	10:22
EXTERNAL STANDARD	0.076	10:22
BLANK TEST	0.000	10:23
SUBJECT SAMPLE	INCOMPLETE	10:25



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 10/29/2025
Time: 10:27:52

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

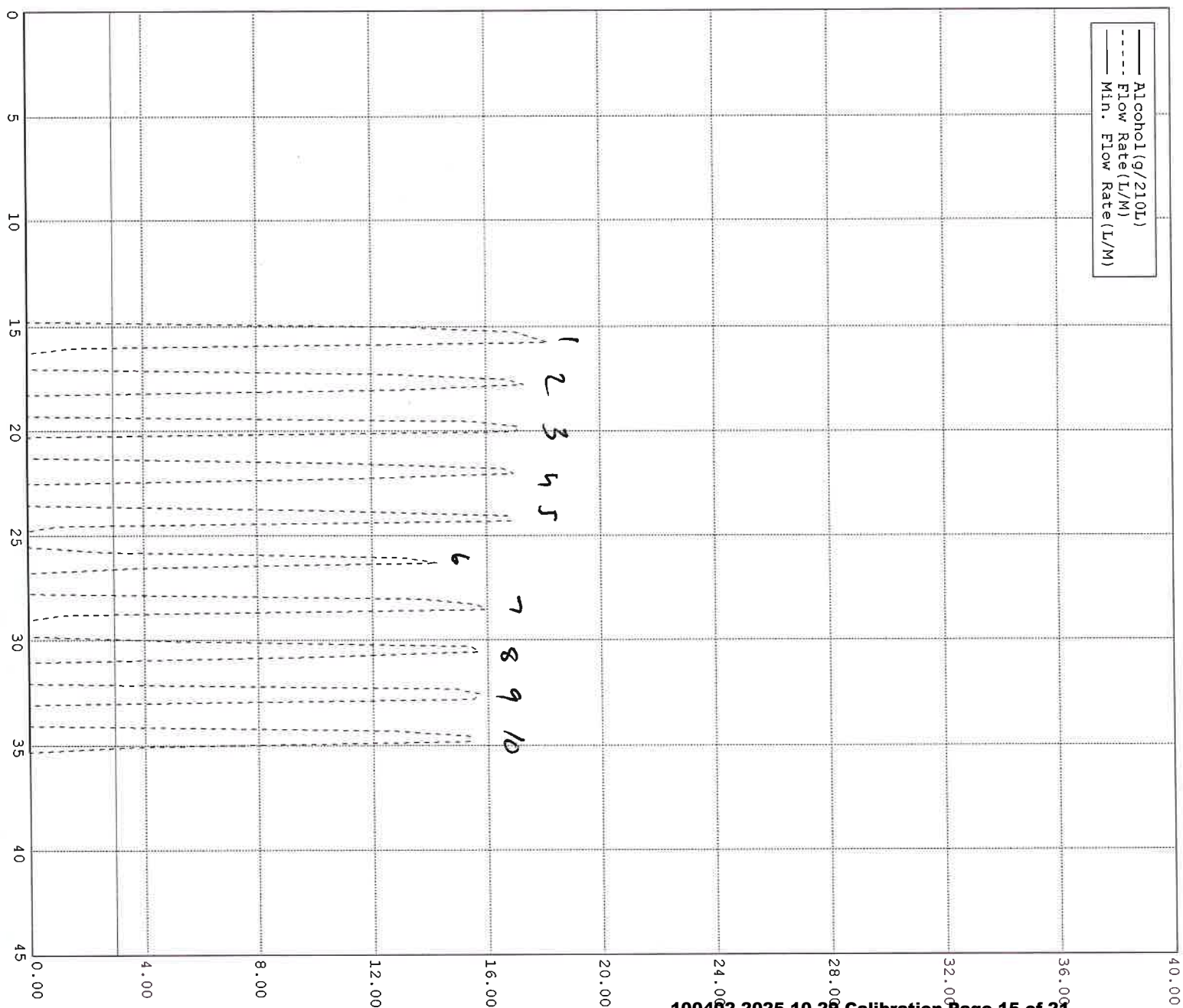
OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

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

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

DIAGNOSTIC CHECK	PASSED	10:29
BLANK TEST	0.000	10:29
INTERNAL STANDARD	VERIFIED	10:29
EXTERNAL STANDARD	0.077	10:30
BLANK TEST	0.000	10:31
SUBJECT SAMPLE	XXX	10:31

Maximum Attempts Exceeded



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100402

Date: 10/29/2025
Time: 10:34:12

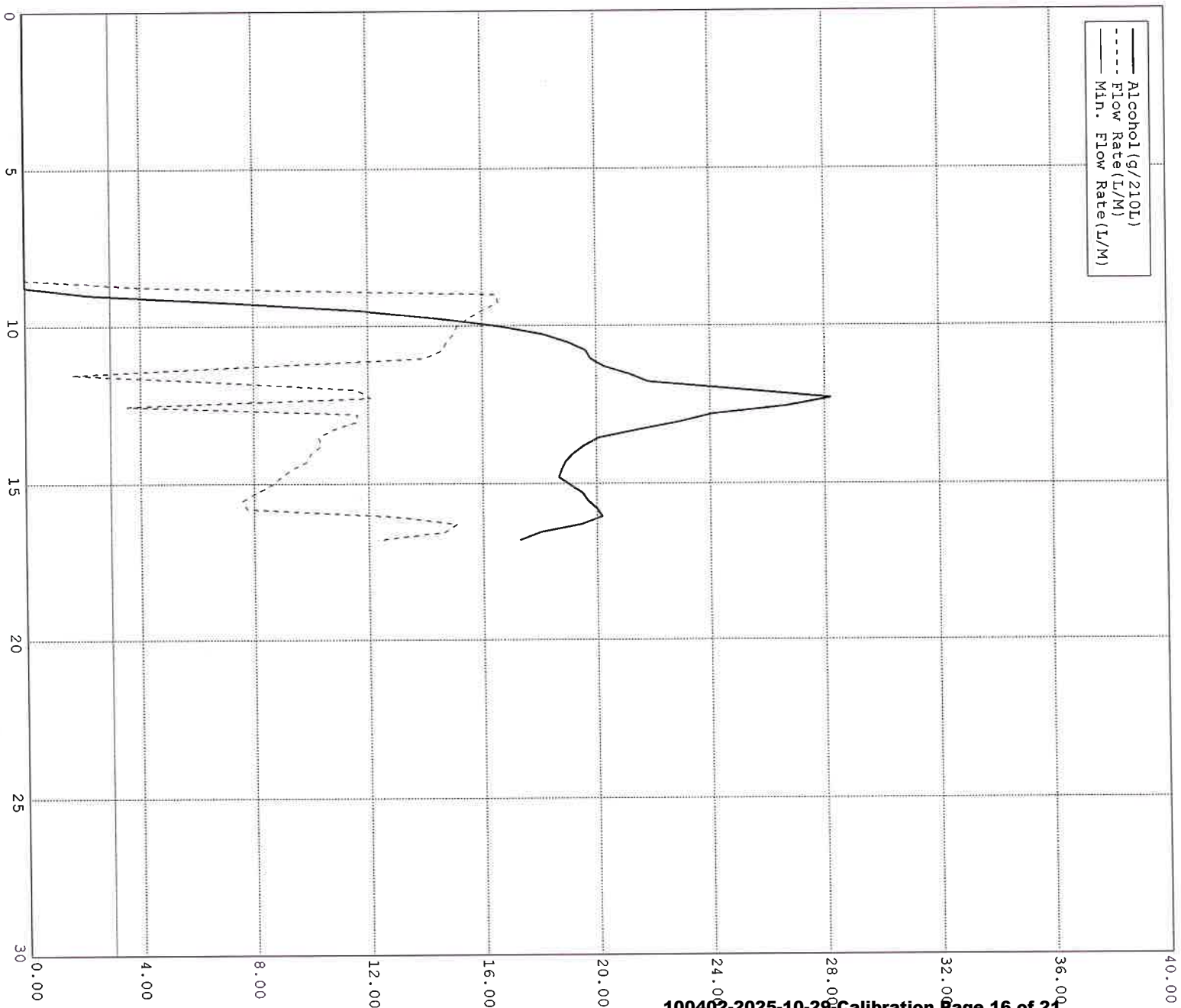
SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.06: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK
BLANK TEST PASSED 10:36
INTERNAL STANDARD VERIFIED 10:36
EXTERNAL STANDARD 0.076 10:36
BLANK TEST 0.000 10:37
SUBJECT SAMPLE INVALID 10:37



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 10/29/2025
Time: 10:40:07

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

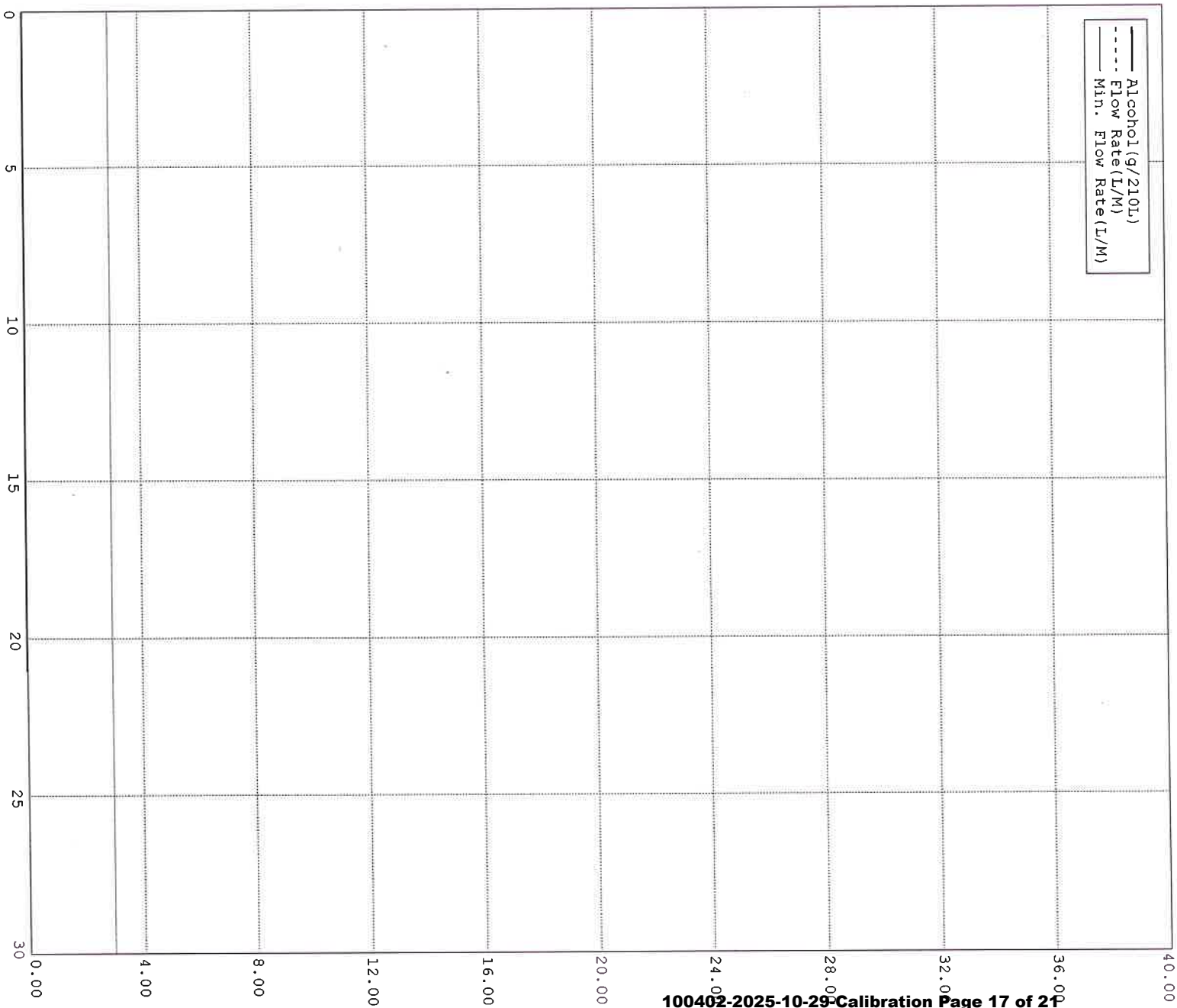
OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

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	10:41
BLANK TEST	0.000	10:41
INTERNAL STANDARD	VERIFIED	10:41
EXTERNAL STANDARD	0.076	10:41
BLANK TEST	0.000	10:42

RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 10/29/2025
Time: 12:32:52

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

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

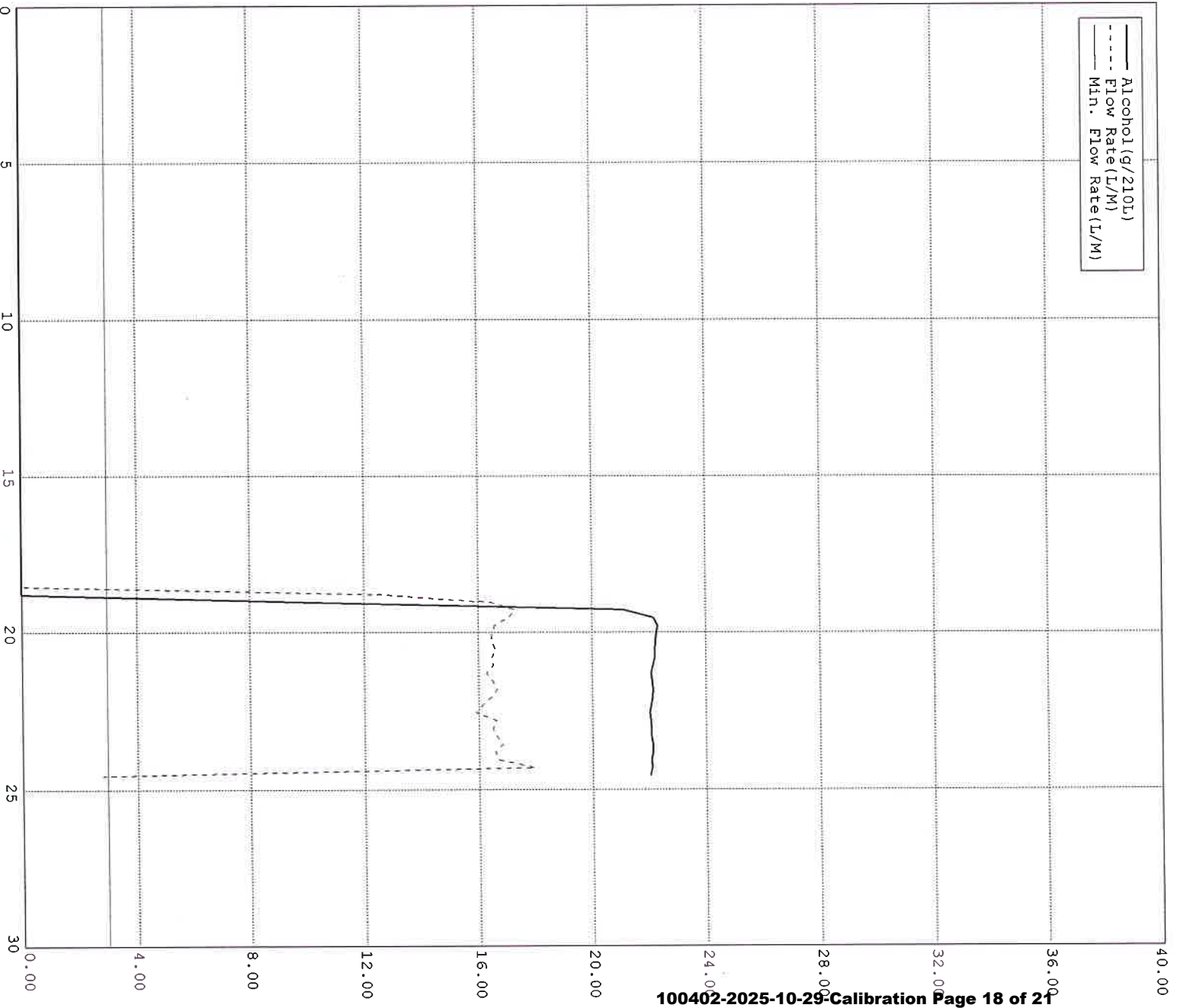
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 28.98: 0.077
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK
BLANK TEST PASSED 12:33
INTERNAL STANDARD VERIFIED 12:34
Xq = 0.079 (0.77%)
EXTERNAL STANDARD 0.075 12:34
X[1] = 0.0754 (-0.0020) (0.0016)
BLANK TEST 0.000 12:35
SUBJECT SAMPLE XXX 12:35
X[1] = 0.1105 (-0.0170) (-0.0002)

Interference Detected

Filter 2ave: -0.0015
Filter 3ave: 0.0015

KS 10/29/25



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 10/29/2025
Time: 12:39:20

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

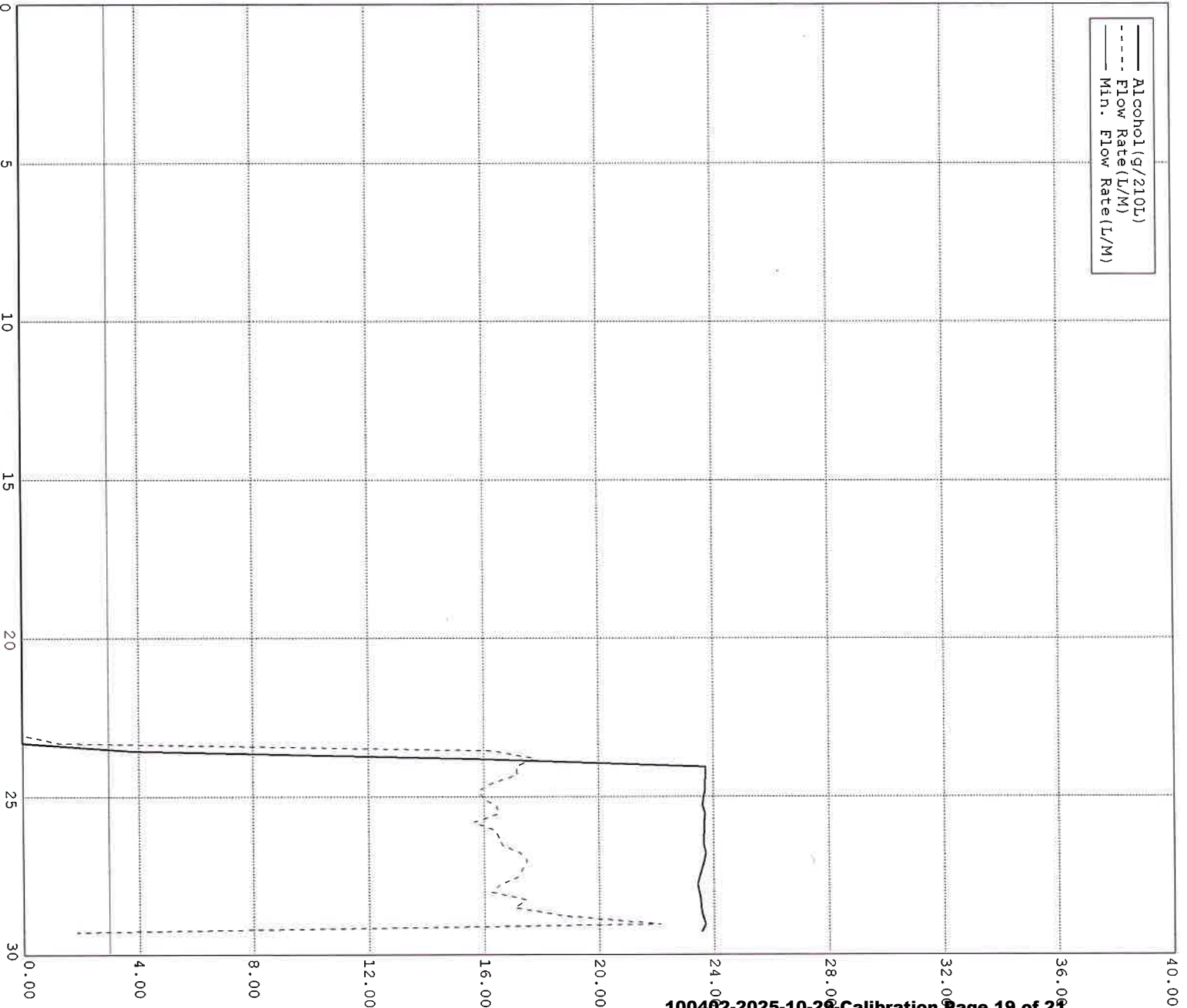
OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 28.98: 0.077
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK
BLANK TEST PASSED 12:41
INTERNAL STANDARD VERIFIED 12:41
Xq = 0.079 (0.00%) 0.076 12:42
EXTERNAL STANDARD X[1] = 0.0762 (-0.0015) (0.0008) 12:43
BLANK TEST 0.000 12:43
SUBJECT SAMPLE XXX 12:43
X[1] = 0.1179 (-0.0307) (-0.0003)

Interference Detected



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 10/29/2025
Time: 12:53:48

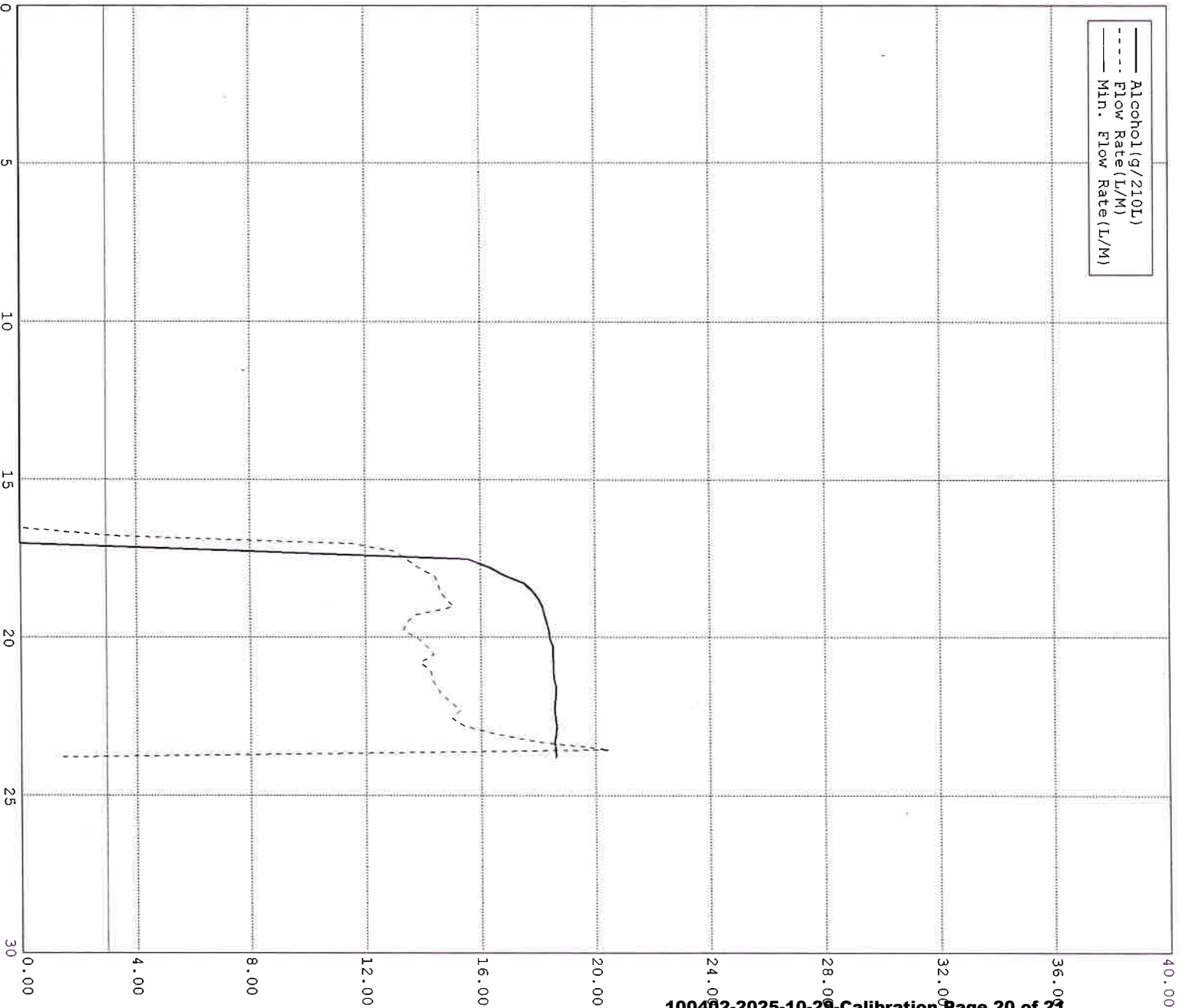
SUBJECT NAME:
TEST TEST
LICENSE #: XXX

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 28.98: 0.077
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	12:54
BLANK TEST	0.000	12:54
INTERNAL STANDARD	VERIFIED	12:55
Xq = 0.079 (0.00%)		
EXTERNAL STANDARD	0.076	12:55
X[1] = 0.0759 (-0.0006)	(0.0023)	
BLANK TEST	0.000	12:56
SUBJECT SAMPLE (Vol=1.66L)	0.093	12:56
X[1] = 0.0934 (-0.0008)	(0.0000)	
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.075	12:57
X[1] = 0.0754 (-0.0019)	(0.0013)	
BLANK TEST	0.000	12:58



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 10/29/2025
Time: 13:14:19

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 28.97: 0.077
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:15
BLANK TEST	0.000	13:15
INTERNAL STANDARD	VERIFIED	13:15
EXTERNAL STANDARD	0.076	13:15
BLANK TEST	0.000	13:16
SUBJECT SAMPLE (Vol=2.89L)	0.000	13:17
BLANK TEST	0.000	13:18
EXTERNAL STANDARD	0.076	13:18
BLANK TEST	0.000	13:19

