



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: 100360

Report Issue Date: 01/18/2023
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

Start Date 01/10/2023 - As Left - End Date 01/10/2023

As Left Conditions - Barometric Pressure (inHg): 29.13 Barometer Used: Fisher S/N 221250180 Temperature (C): 22.1 Relative Humidity (%): 13

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	AG217902	0.019	0.019	0.019	0.019	0.019	0.019	+/- 0.002
0.040	0.039	AG217904	0.039	0.039	0.039	0.039	0.039	0.039	+/- 0.003
0.080	0.078	AG113402	0.077	0.077	0.077	0.077	0.077	0.077	+/- 0.003
0.100	0.097	AG211003	0.097	0.097	0.097	0.097	0.097	0.097	+/- 0.003
0.150	0.146	AG134205	0.145	0.145	0.145	0.145	0.145	0.145	+/- 0.004
0.300	0.292	AG130502	0.288	0.288	0.288	0.288	0.288	0.288	+/- 0.008

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.

Technically and administratively reviewed by Brandi Barnett on 01/18/2023

Results authorized by Carlie Glaister on 01/10/2023
carlie.glaister@alaska.gov

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

Effective: 10/10/2022

Version: 3.0

Instrument #: 100360 Analyst: Carlie Glaister Start Date: 1/10/2023

Diagnostic Test (attached)

Internal Standard value \leq 3.00%

Adjust voltages, if needed

Lamp (2.60 V Maximum)

Chopper Frequency

Bias

Detector Voltage

Cooler (2.00 V Maximum)

(-0.100V to 0.100V)

Set RFI Sensitivity

Adjust internal barometer reading to match NIST-traceable barometer

Adjust volume setting, if needed (1.50 L +/- 0.10 L)

Print Technician Screen (attached)

Print Calibration Factors (attached)

Minimum Volume Test 1.6 L (1.3L to 1.7L)

As Left Conditions:

Barometric Pressure (in Hg): 29.13 Temperature (C): 22.1 Relative Humidity (%) 13

Linearity Test (attached)

0.020g/210L Mnf: Airgas Lot: AG217902 Exp: 6/28/2024

0.040g/210L Mnf: Airgas Lot: AG217904 Exp: 6/28/2024

0.080g/210L Mnf: Airgas Lot: AG113402 Exp: 5/14/2023

0.100g/210L Mnf: Airgas Lot: AG211003 Exp: 4/20/2024

0.150g/210L Mnf: Airgas Lot: AG134205 Exp: 12/8/2023

0.300g/210L Mnf: Airgas Lot: AG130502 Exp: 11/1/2023

Functional Tests (attached)

Incomplete

Invalid

Maximum Attempts Exceeded

Radio Frequency Interference (RFI)

Interference (Volatiles)

Acetone Mnf: Lifeloc Lot: 21KP41172 Level: 0.100 Exp: 11/9/2023

Simulator S/N: DR5298 Verification Performed?

Isopropanol Mnf: Lifeloc Lot: 21KP41172 Level: 0.100 Exp: 11/9/2023

Simulator S/N: SD1198 Verification Performed?

Neg. Control Mnf: Lifeloc Lot: 21KP41172 Level: 0.100 Exp: 11/9/2023

Simulator S/N: SD1202 Verification Performed?

Calibrated External Thermometer:

Thermometer S/N: 210958384 Calibration Due Date: 11/9/2023

Verify stylus is calibrated

Non-Drinking Subject Test

Reset Options

Upload

Clear Memory

Remove Tank Prior to Shutdown

Verification of Calibration (VOC)

Calibration End Date: 1/10/2023

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/10/2023
Time: 10:03:09

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 = 44.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.01 V PASSED
(1.21 V - 2.81 V)
Cooler Voltage = 1.66 V PASSED
(0.99 V - 2.31 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 531 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.1 in

PUMP INFO

Flow Rate = 4.652 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.001 V <= 0.010 V)
PUMP OFF PASSED
(0.001 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.119 0.74% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100360

Date: 01/10/2023
Time: 10:09 AM

Temperatures (°C)

Sample Cell: 48.7°C
Breath Tube: 44.5°C

Current Barometer 29.1 in
Volume (Ltr) 1.56

Settings

Lamp: 1.96 V
Bias: 80 V
Cooler: 1.66 V
Chopper: 530 Hz

Voltages (V)

Flow: 1.06 V
Detector: -0.036 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 12/29/2022
Time: 15:32:27

OPERATOR NAME:
COLLEEN S OBRYANT
CERTIFICATE #: 6237

Ca	=	0.1000		
CAL	=	0.978278	0.800	<= CAL < 1.200
b1	=	0.0003	0.0000	<= b1 < 0.0040
b2	=	0.0060	0.0010	<= b2 < 0.0100
b3	=	0.0003	0.0000	<= b3 < 0.0040
Xq	=	0.1194	0.0500	<= Xq < 0.2000
a21	=	1.225135	1.050	<= a21 < 1.300
a31	=	0.508418	0.300	<= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/10/2023
Time: 10:11:12

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

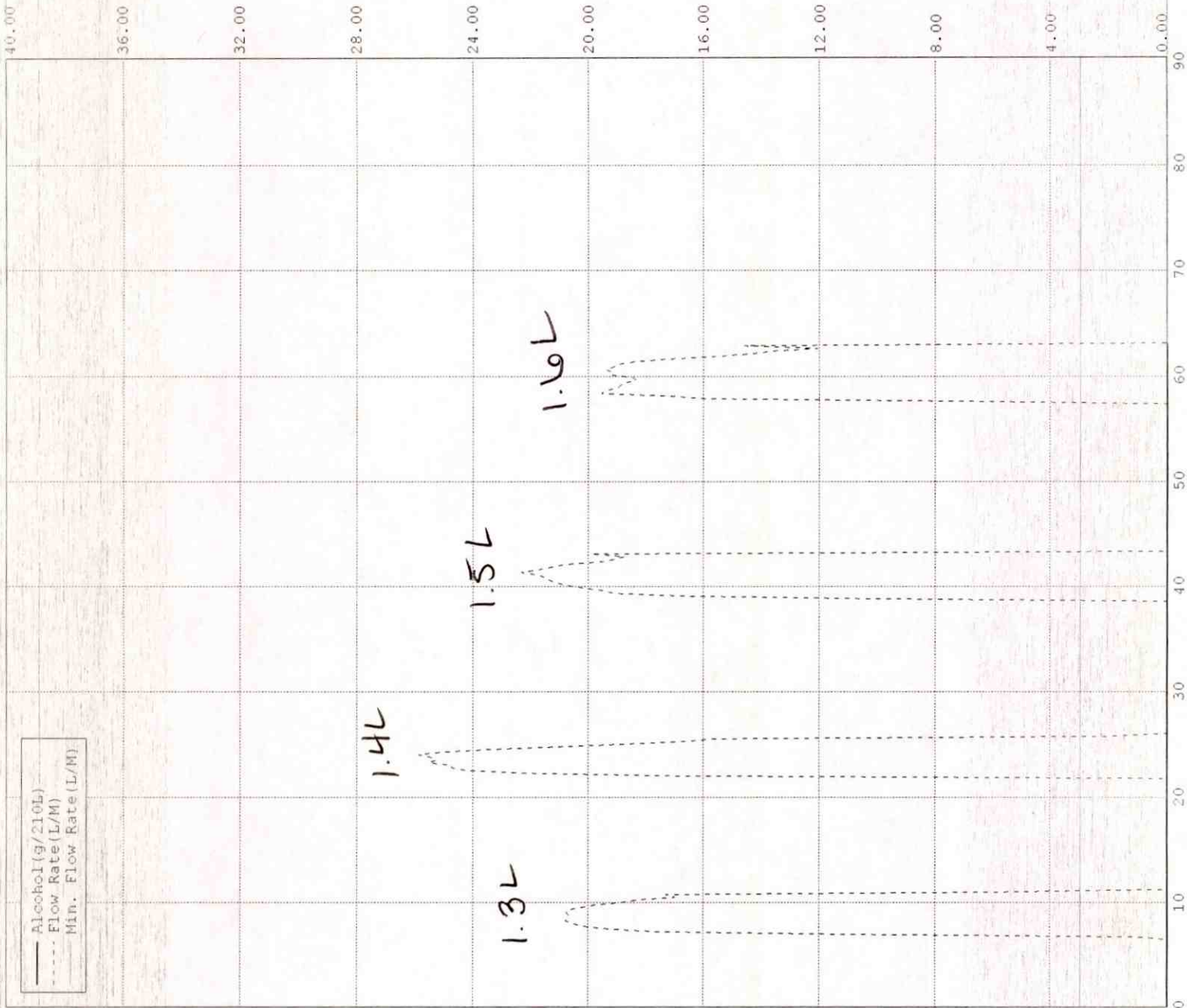
DEPT/AGENCY:
MINIMUM VOLUME TEST
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.14: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	10:13
BLANK TEST	0.000	10:13
INTERNAL STANDARD	VERIFIED	10:13
EXTERNAL STANDARD	0.077	10:13
BLANK TEST	0.000	10:14
SUBJECT SAMPLE (Vol=1.56L)	0.000	10:15
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.077	10:16
BLANK TEST	0.000	10:17

OKG



LINEARITY CHECK

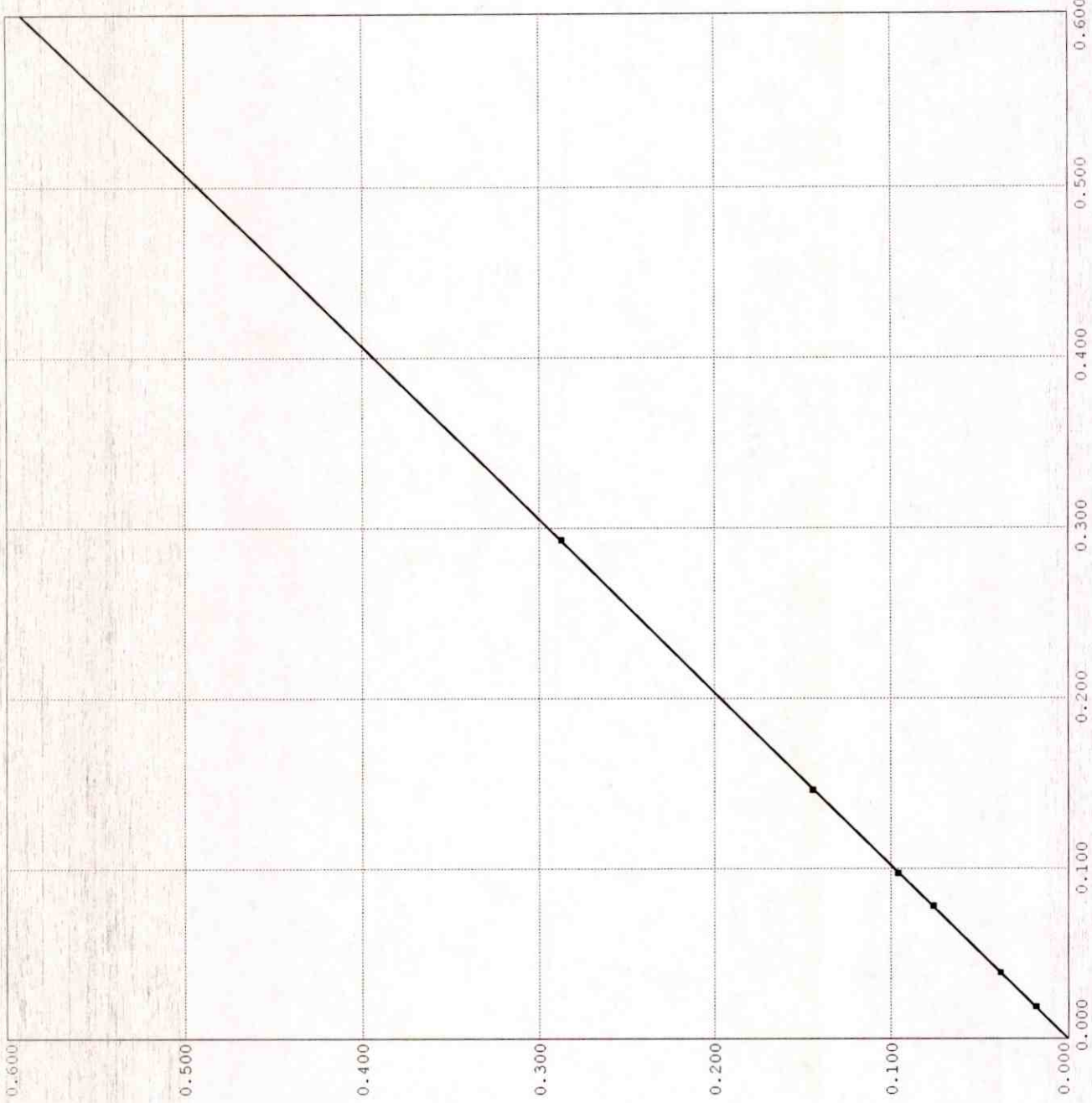
 Alaska Department of Public Safety
 DATAMASTER dmt: 100360

Date: 01/10/2023
 Time: 10:31:13

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.019	0.0190	0.0000
0.039	0.0390	0.0000
0.078	0.0770	0.0000
0.097	0.0970	0.0000
0.146	0.1450	0.0000
0.292	0.2880	0.0000

SLOPE = 0.985260
 R² = 0.999971



CKG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100360

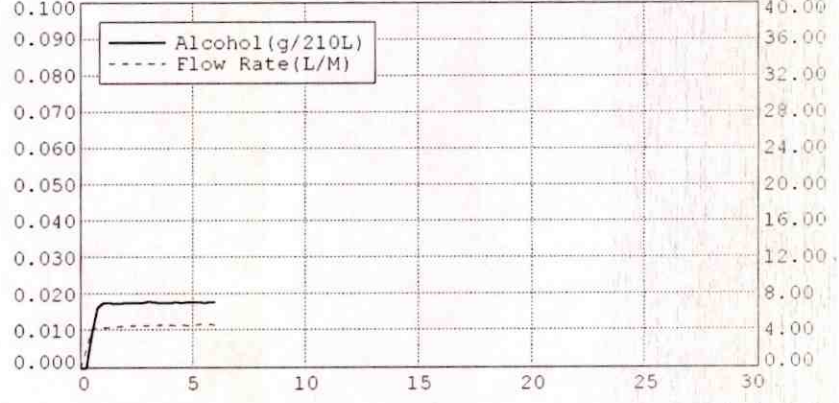
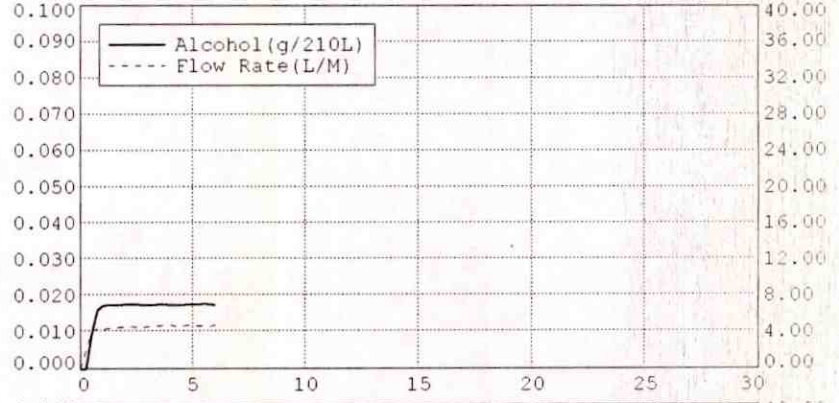
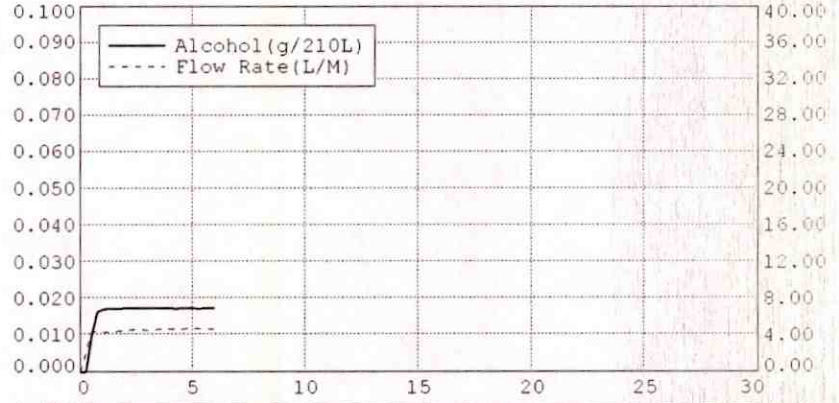
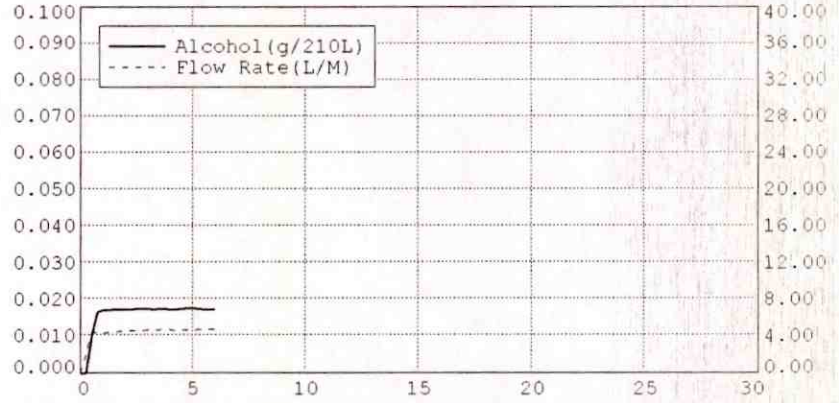
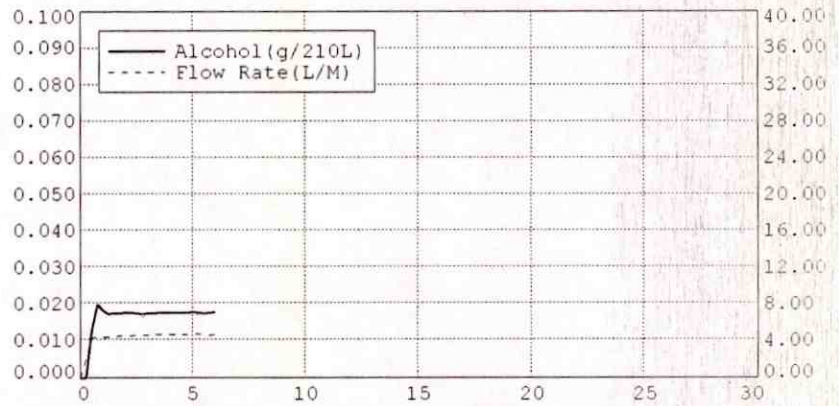
Date: 01/10/2023
Time: 10:31:15

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.14: 0.019
LOT #: AG217902
EXPIRATION: 06/28/2024
TANK PRESSURE: 922 psi

BLANK TEST	0.000	10:32
INTERNAL STANDARD	VERIFIED	10:32
EXTERNAL STANDARD	0.019	10:33
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.019	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.019	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.019	10:36
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.019	10:37
BLANK TEST	0.000	10:38

Average = 0.0190
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100360

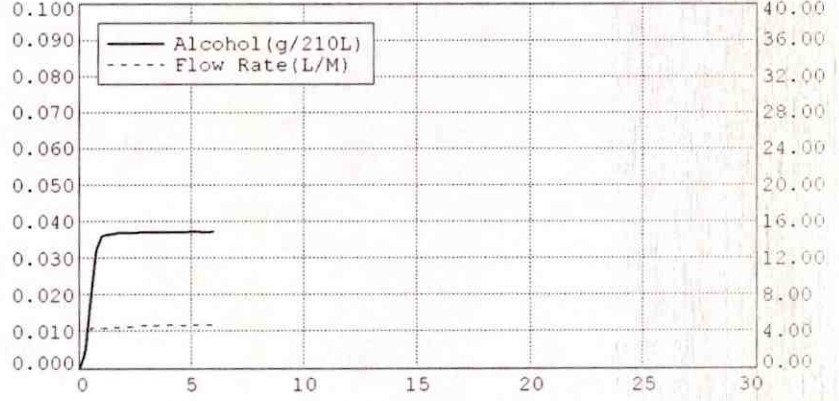
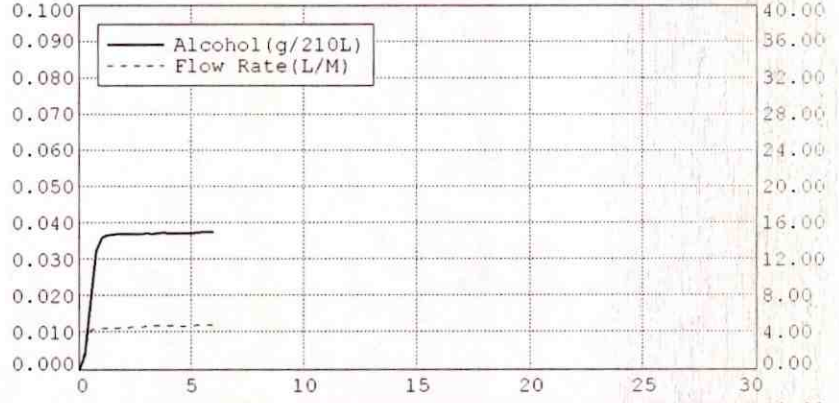
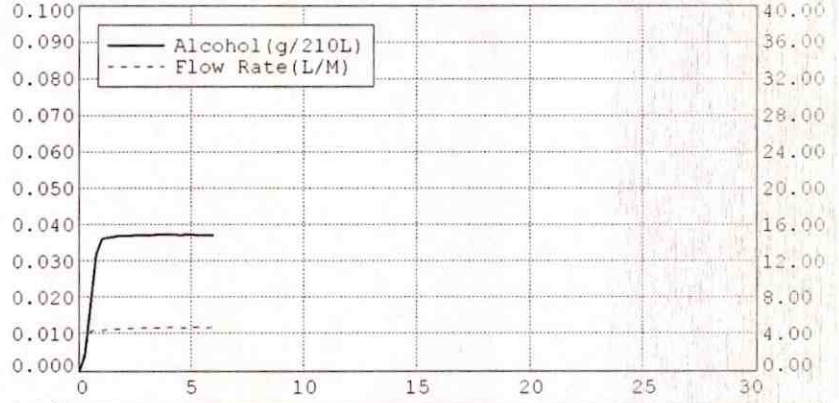
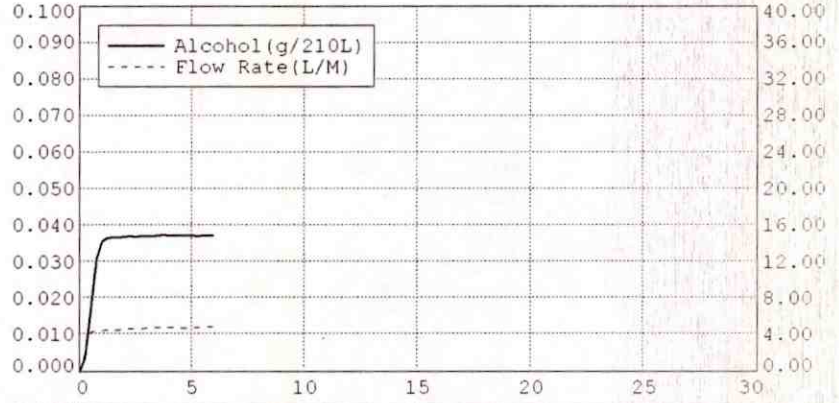
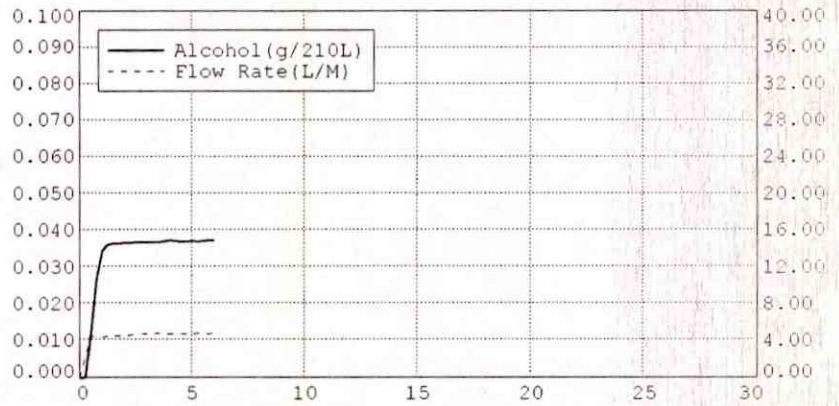
Date: 01/10/2023
 Time: 10:39:16

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.14: 0.039
 LOT #: AG217904
 EXPIRATION: 06/28/2024
 TANK PRESSURE: 994 psi

BLANK TEST	0.000	10:40
INTERNAL STANDARD	VERIFIED	10:40
EXTERNAL STANDARD	0.039	10:41
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.039	10:42
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.039	10:43
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.039	10:44
BLANK TEST	0.000	10:45
EXTERNAL STANDARD	0.039	10:45
BLANK TEST	0.000	10:46

Average = 0.0390
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100360

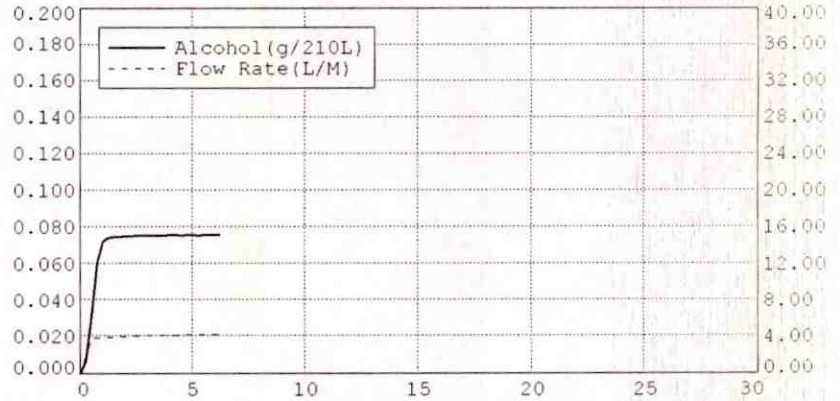
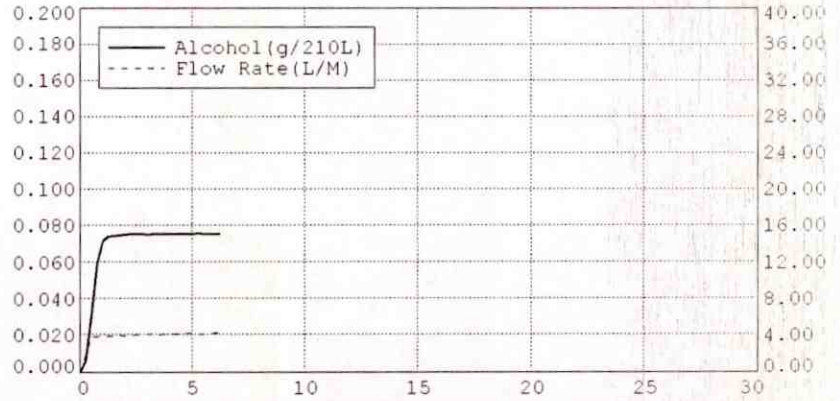
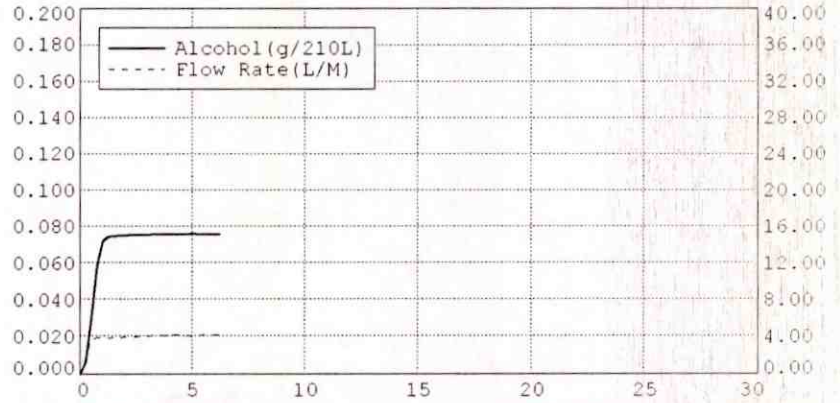
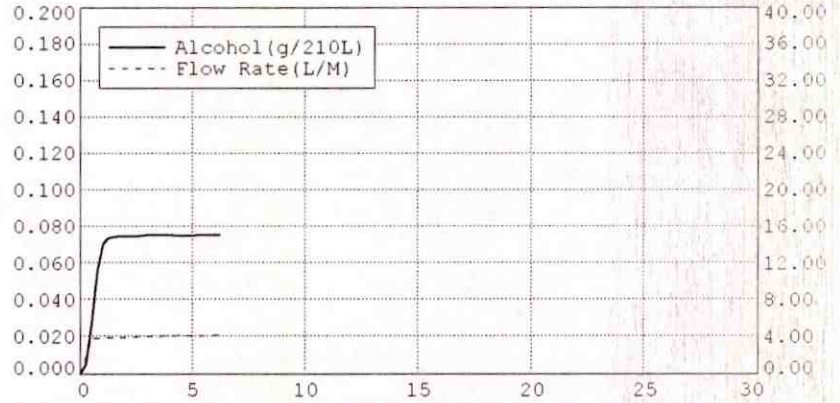
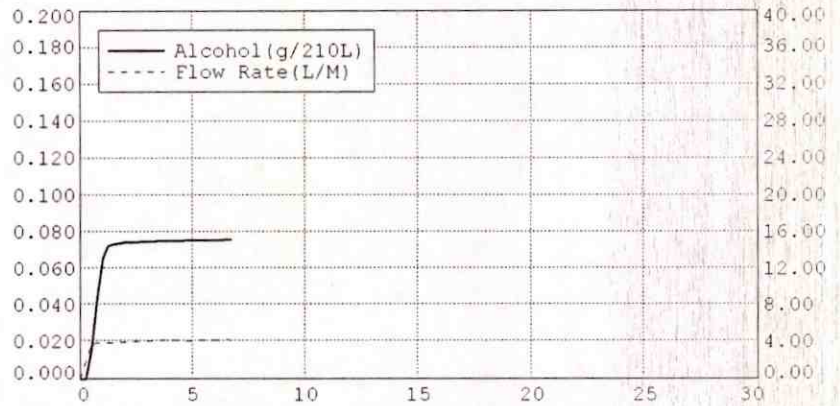
Date: 01/10/2023
 Time: 10:47:18

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.14: 0.078
 LOT #: AG113402
 EXPIRATION: 05/14/2023
 TANK PRESSURE: 594 psi

BLANK TEST	0.000	10:48
INTERNAL STANDARD	VERIFIED	10:48
EXTERNAL STANDARD	0.077	10:49
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.077	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.077	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.077	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.077	10:53
BLANK TEST	0.000	10:54

Average = 0.0770
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dmt: 100360

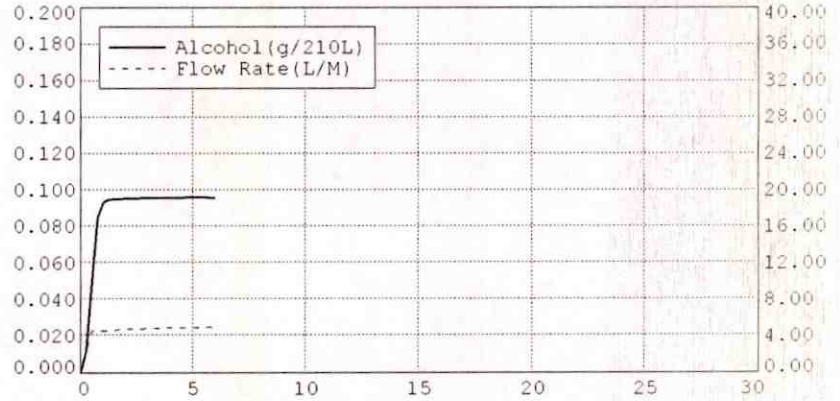
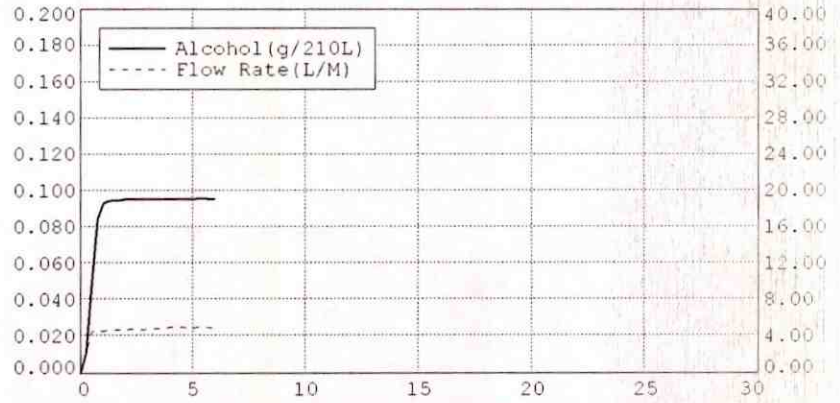
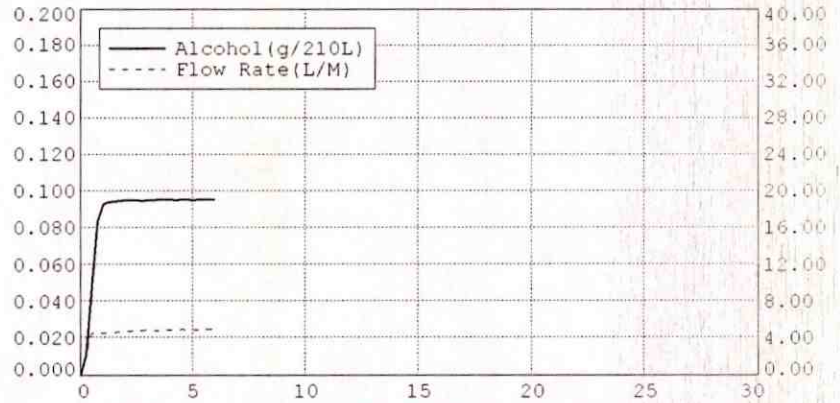
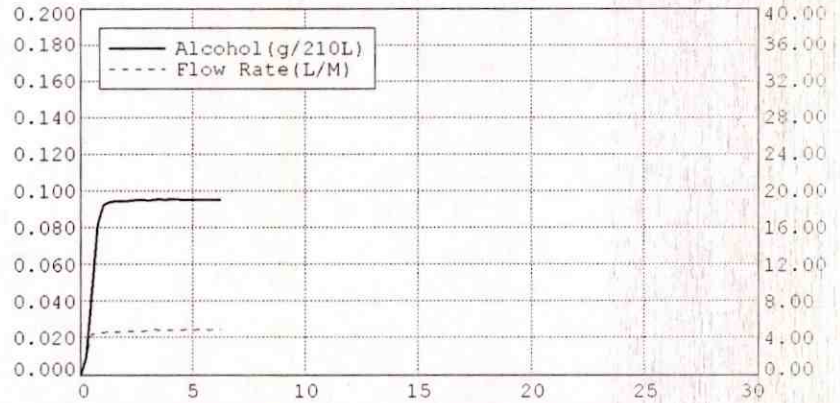
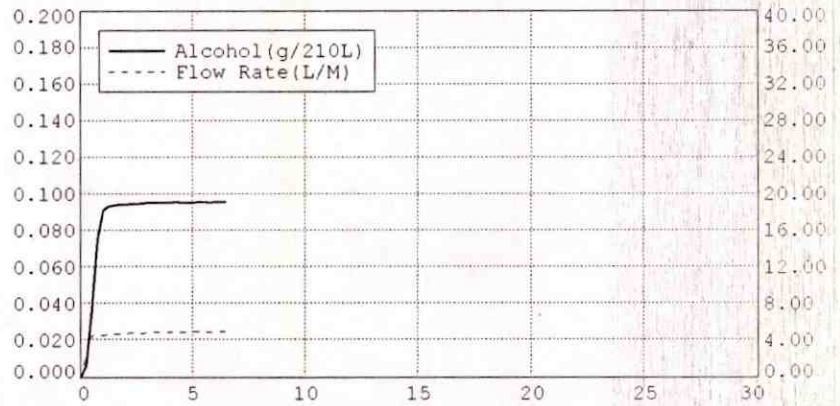
Date: 01/10/2023
 Time: 10:55:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.14: 0.097
 LOT #: AG211003
 EXPIRATION: 04/20/2024
 TANK PRESSURE: 1103 psi

BLANK TEST	0.000	10:57
INTERNAL STANDARD	VERIFIED	10:57
EXTERNAL STANDARD	0.097	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.097	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.097	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.097	11:01
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.097	11:02
BLANK TEST	0.000	11:03

Average = 0.0970
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dmt: 100360

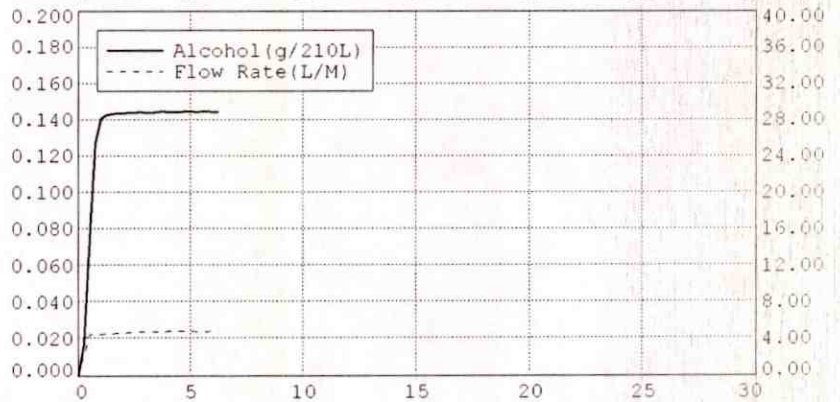
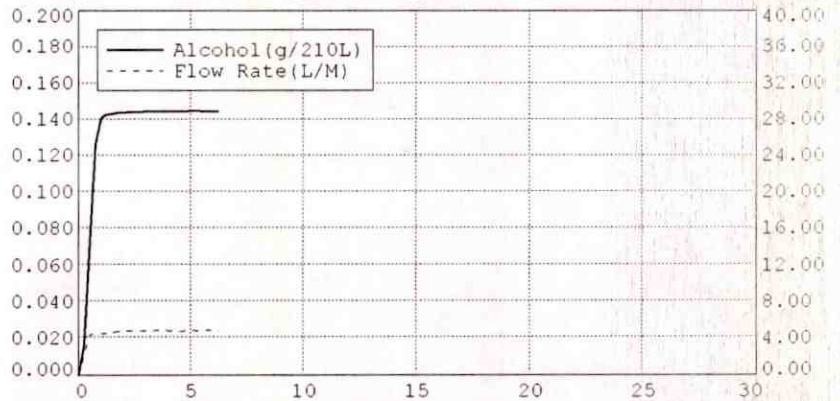
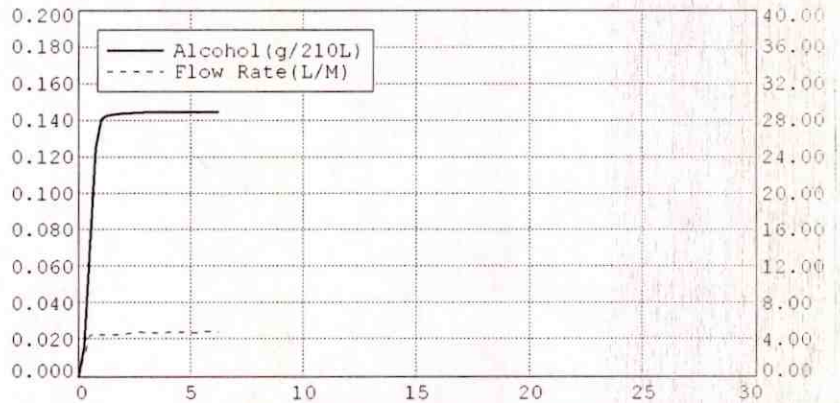
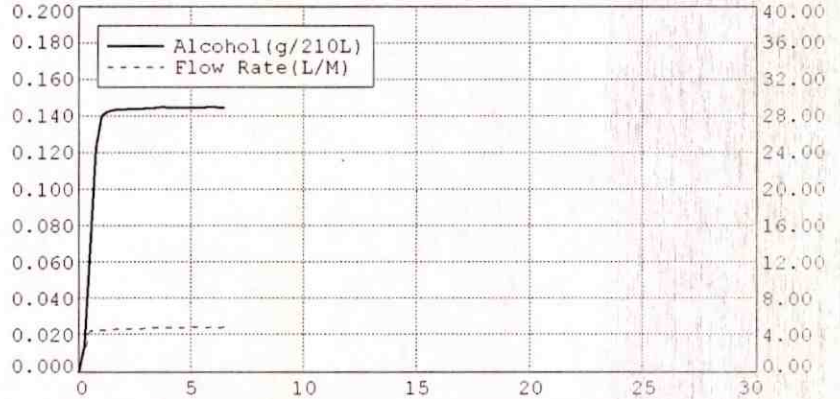
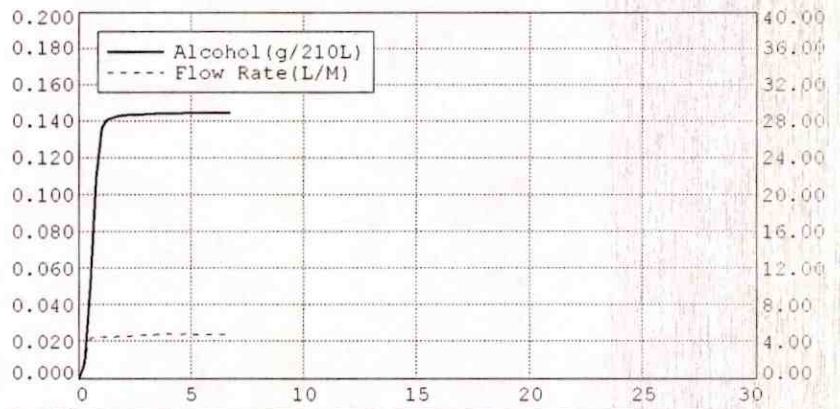
Date: 01/10/2023
 Time: 11:04:08

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.150
 TARGET AT 29.14: 0.146
 LOT #: AG134205
 EXPIRATION: 12/08/2023
 TANK PRESSURE: 1053 psi

BLANK TEST	0.000	11:05
INTERNAL STANDARD	VERIFIED	11:05
EXTERNAL STANDARD	0.145	11:06
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.145	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.145	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.145	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.145	11:10
BLANK TEST	0.000	11:11

Average = 0.1450
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
 DATAMASTER dmt: 100360

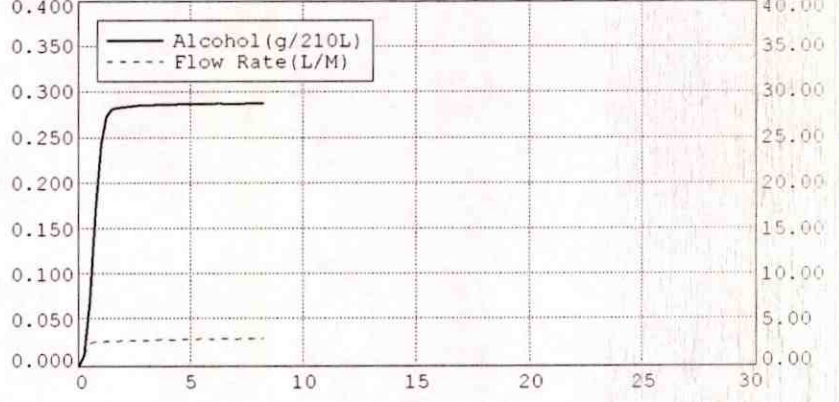
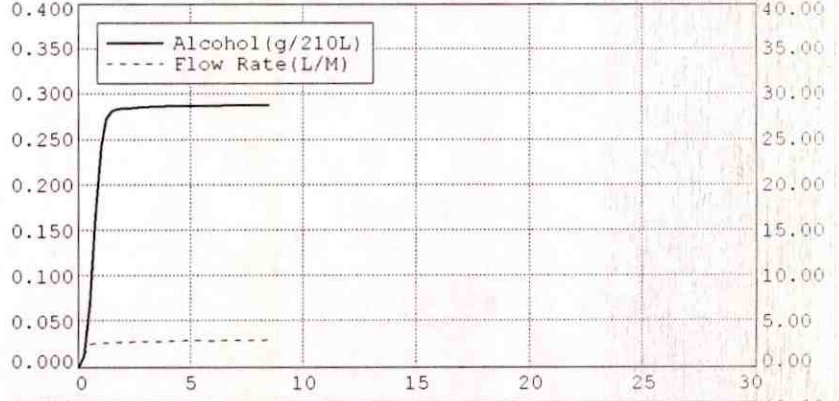
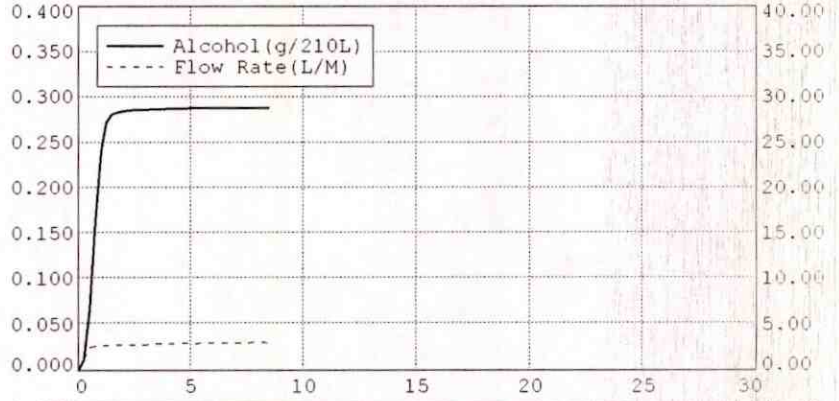
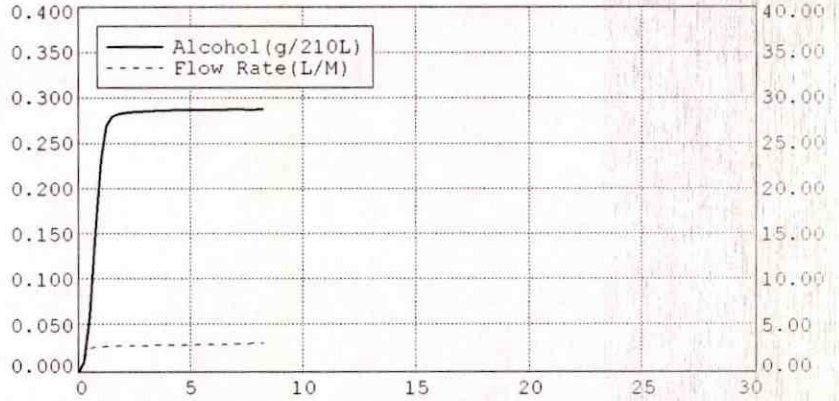
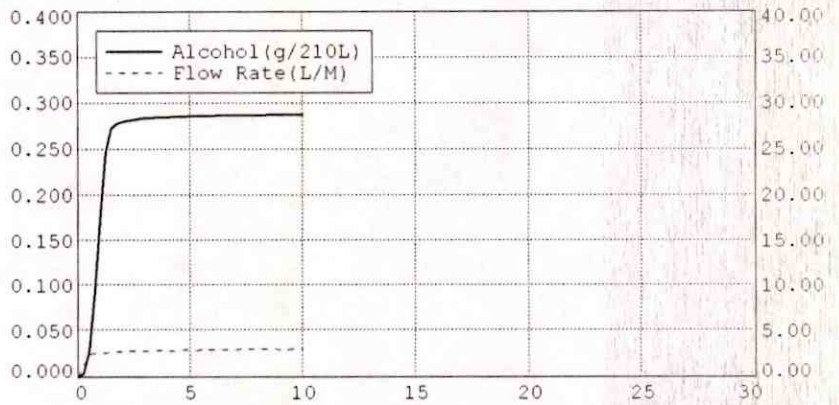
Date: 01/10/2023
 Time: 11:12:00

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.14: 0.292
 LOT #: AG130502
 EXPIRATION: 11/01/2023
 TANK PRESSURE: 155 psi

BLANK TEST	0.000	11:13
INTERNAL STANDARD	VERIFIED	11:13
EXTERNAL STANDARD	0.288	11:13
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.288	11:14
BLANK TEST	0.000	11:15
EXTERNAL STANDARD	0.288	11:16
BLANK TEST	0.000	11:17
EXTERNAL STANDARD	0.288	11:17
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.288	11:18
BLANK TEST	0.000	11:19

Average = 0.2880
 Std Dev = 0.0000



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100360

Date: 01/10/2023

Time: 11:30:08

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

CARLIE GLAISTER

OPERATOR'S #: 10436

DEPT/AGENCY:

INCOMPLETE

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.14: 0.078

LOT #: AG113402

EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK

BLANK TEST

INTERNAL STANDARD

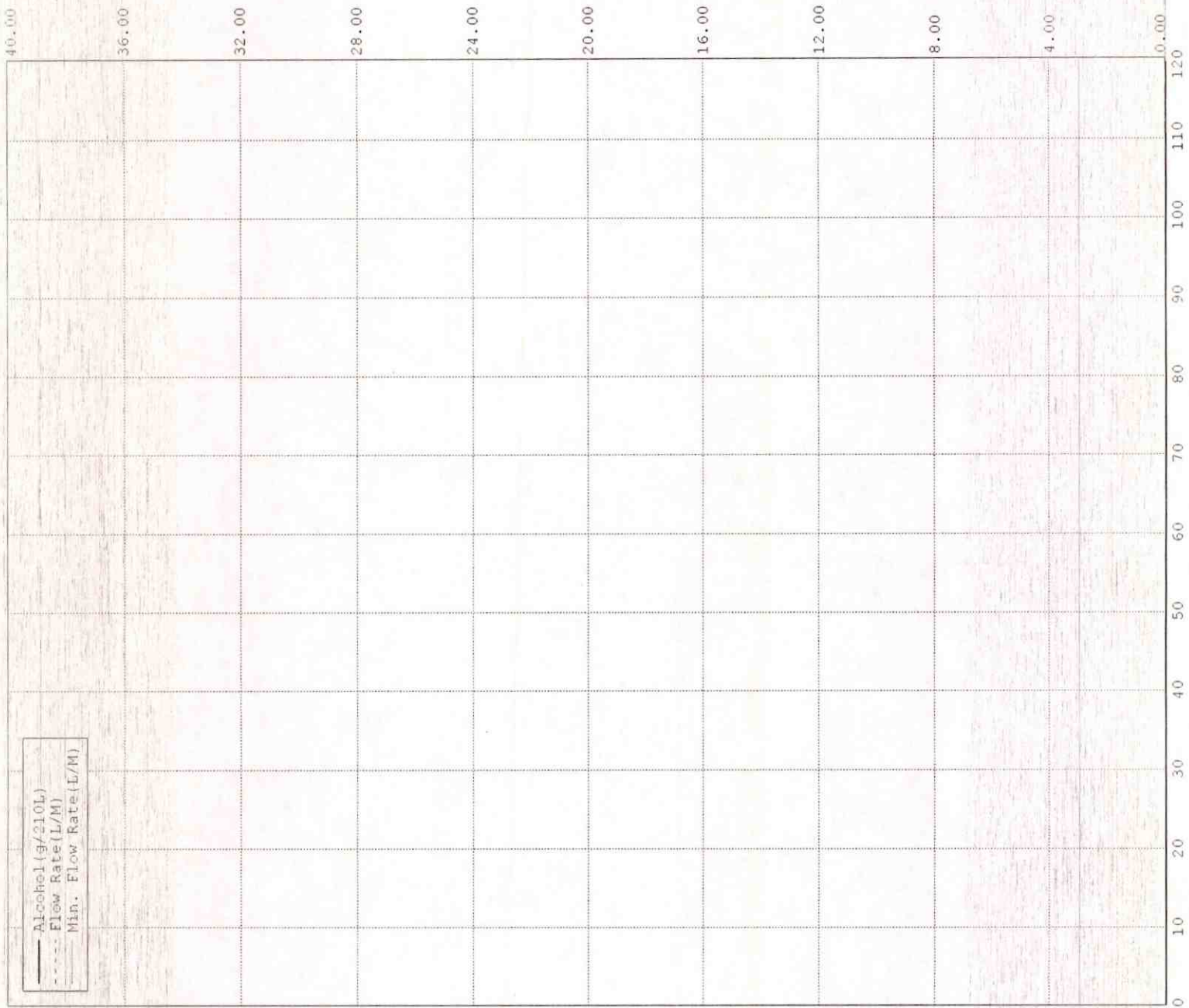
EXTERNAL STANDARD

BLANK TEST

SUBJECT SAMPLE

PASSED 11:31
0.000 11:31
VERIFIED 11:31
0.078 11:31
0.000 11:32
INCOMPLETE 11:34

CKG



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/10/2023
Time: 11:36:34

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

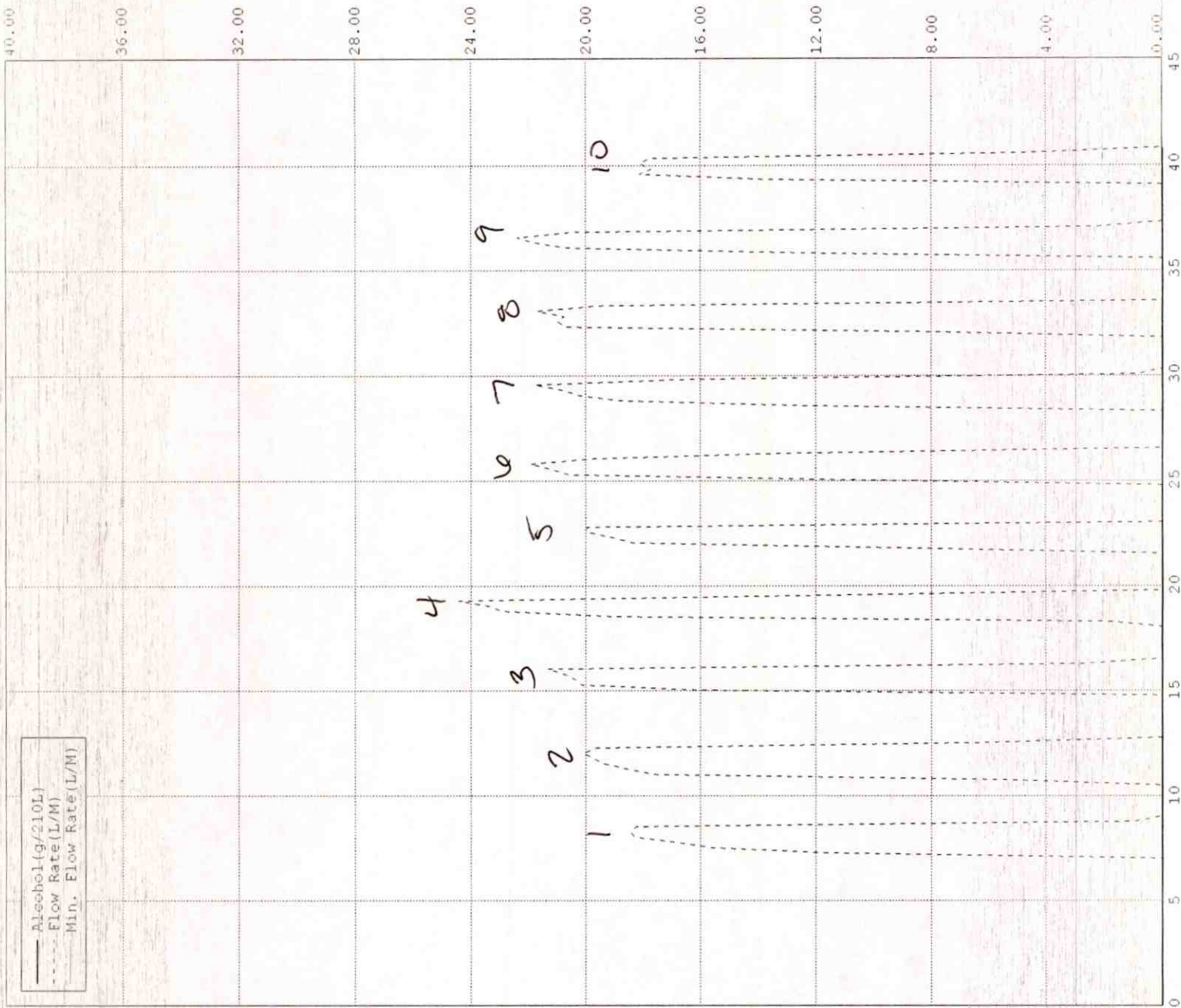
DEPT/AGENCY:
MAXIMUM ATTEMPTS EXCEEDED
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.14: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK PASSED 11:37
BLANK TEST 0.000 11:37
INTERNAL STANDARD VERIFIED 11:38
EXTERNAL STANDARD 0.078 11:38
BLANK TEST 0.000 11:39
SUBJECT SAMPLE XXX 11:39

Maximum Attempts Exceeded

CAG



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/10/2023
Time: 11:43:31

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

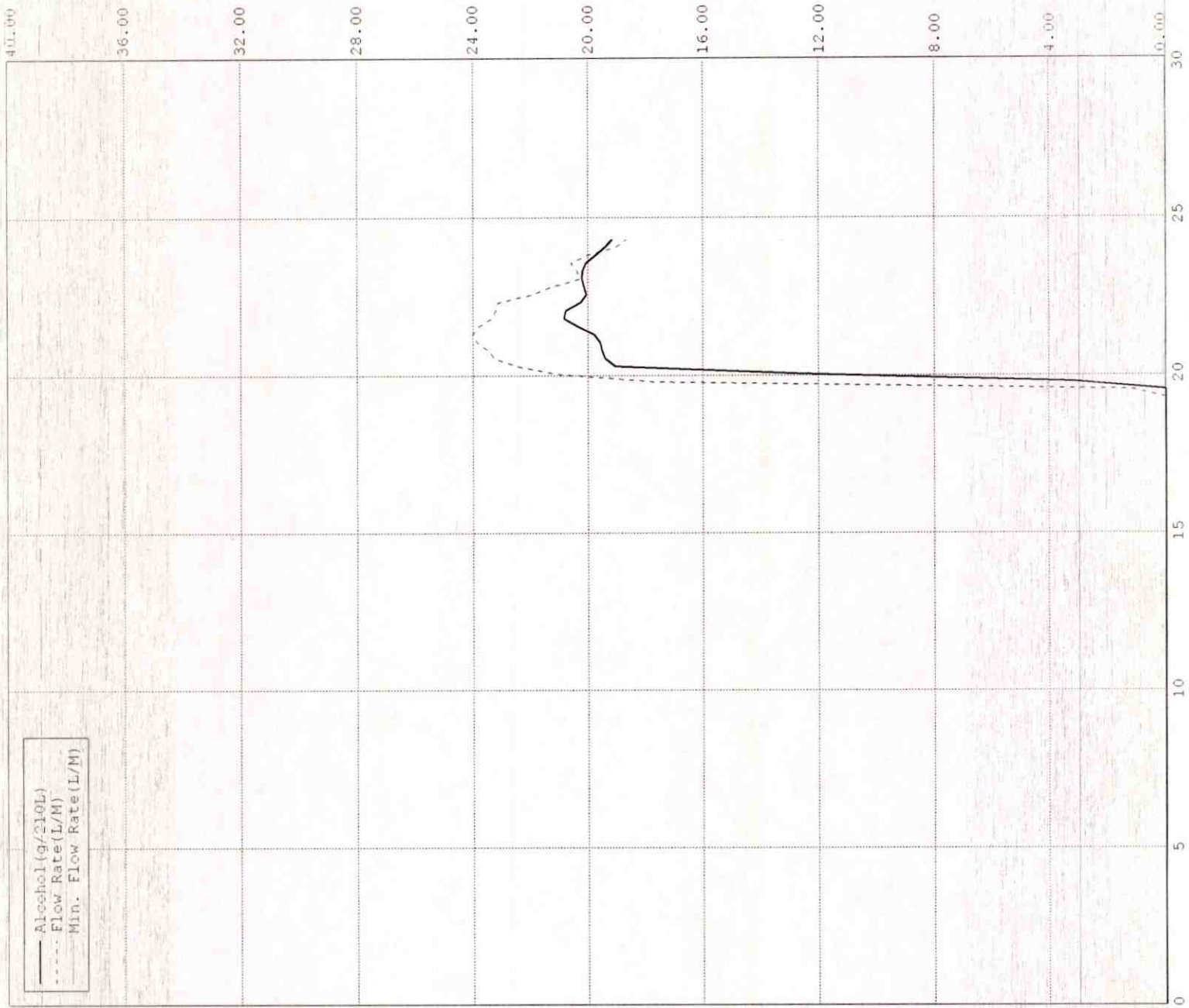
DEPT/AGENCY:
INVALID
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.13: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	11:44
BLANK TEST	0.000	11:44
INTERNAL STANDARD	VERIFIED	11:44
EXTERNAL STANDARD	0.077	11:44
BLANK TEST	0.000	11:45
SUBJECT SAMPLE	INVALID	11:46

AKG



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100360

Date: 01/10/2023

Time: 11:48:58

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

CARLIE GLAISTER

OPERATOR'S #: 10436

DEPT/AGENCY:

RFI

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.14: 0.078

LOT #: AG113402

EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK

BLANK TEST

INTERNAL STANDARD

EXTERNAL STANDARD

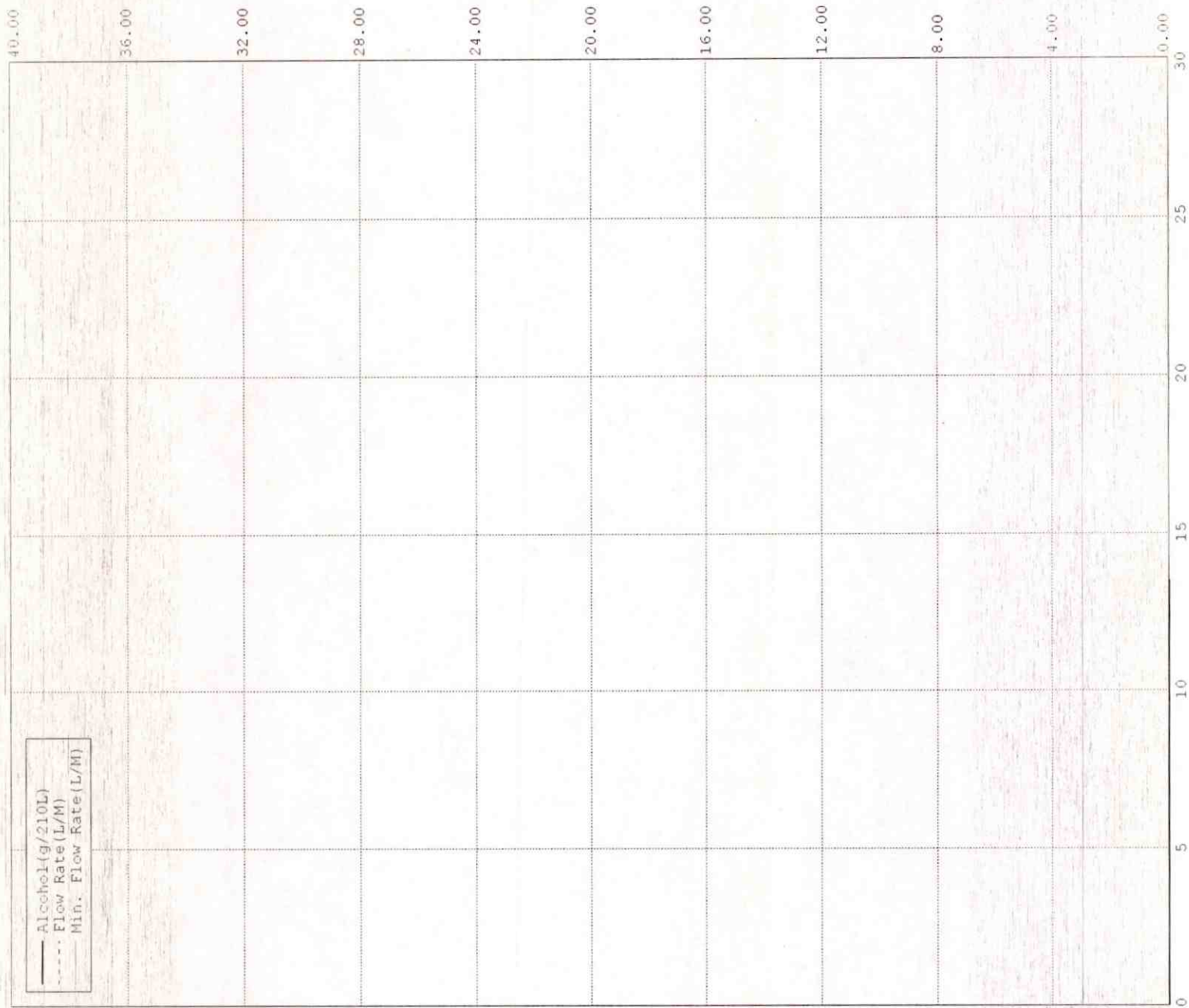
BLANK TEST

RFI DETECTED

PASSED 11:49
0.000 11:50
VERIFIED 11:50
0.077 11:50
0.000 11:51

Handwritten signature

Alcohol(g/210L)
Flow Rate(L/M)
Min. Flow Rate(L/M)



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/10/2023
Time: 13:47:34

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.14: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	13:48
BLANK TEST	0.000	13:48
INTERNAL STANDARD	VERIFIED	13:48
Xg = 0.120 (0.07%)		
EXTERNAL STANDARD	0.078	13:49
X[1] = 0.0775 (-0.0013) (0.0013)		
BLANK TEST	0.000	13:49
SUBJECT SAMPLE	XXX	13:50
X[1] = 0.1078 (-0.0175) (0.0001)		

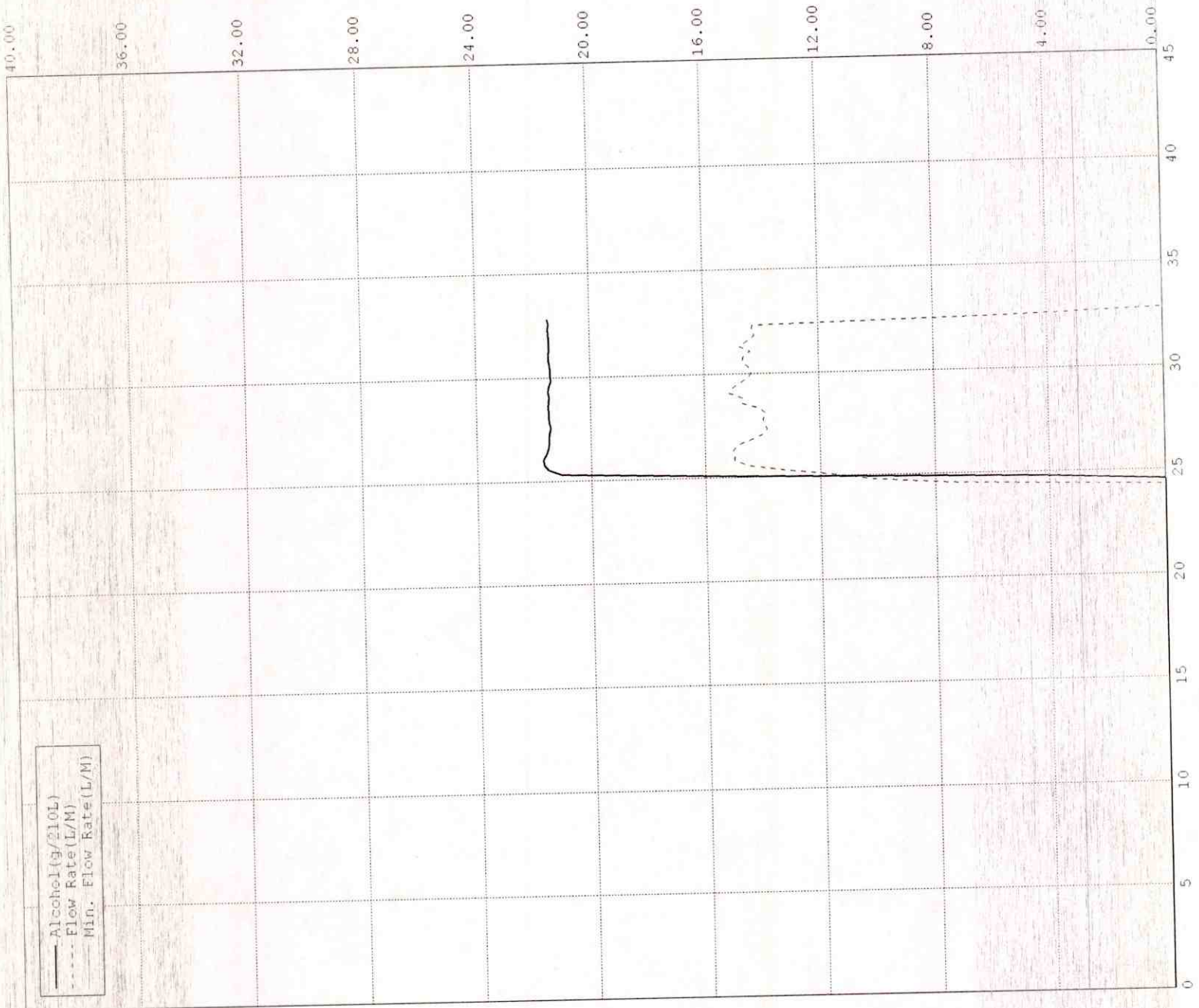
Interference Detected

Filter 2 Average = -0.0008

Filter 3 Average = 0.0015

CUG 1/10/2023

CUG



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/10/2023
Time: 13:52:23

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

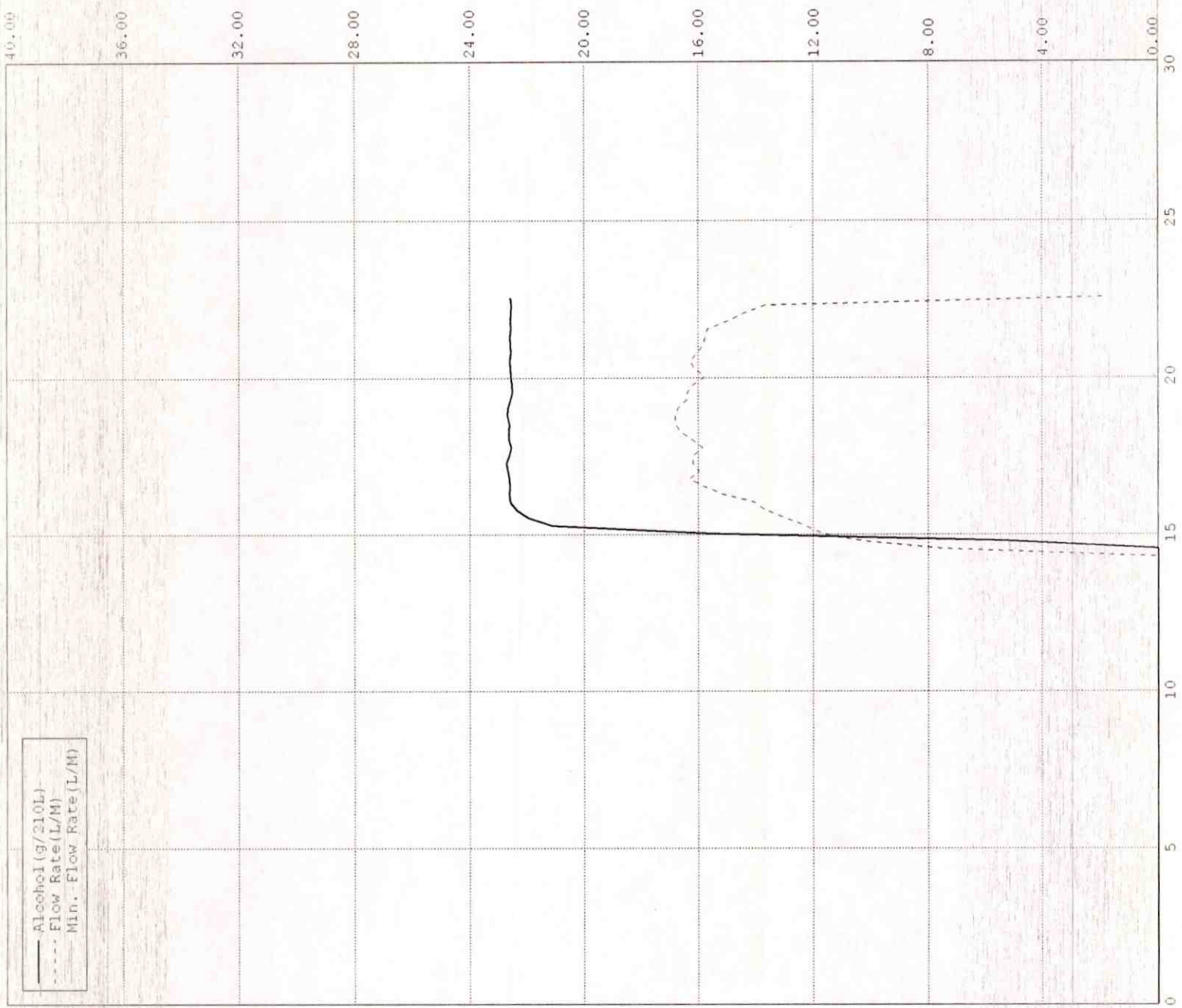
DEPT/AGENCY:
INTERFERENCE - IPA
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.14: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK PASSED 13:53
BLANK TEST 0.000 13:53
INTERNAL STANDARD VERIFIED 13:53
Xq = 0.119 (0.22%) 0.077 13:53
EXTERNAL STANDARD X[1] = 0.0769 (-0.0010) (0.0016) 0.000 13:54
BLANK TEST 0.000 XXX 13:55
SUBJECT SAMPLE X[1] = 0.1134 (-0.0270) (0.0005)

Interference Detected



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/10/2023
Time: 13:59:27

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

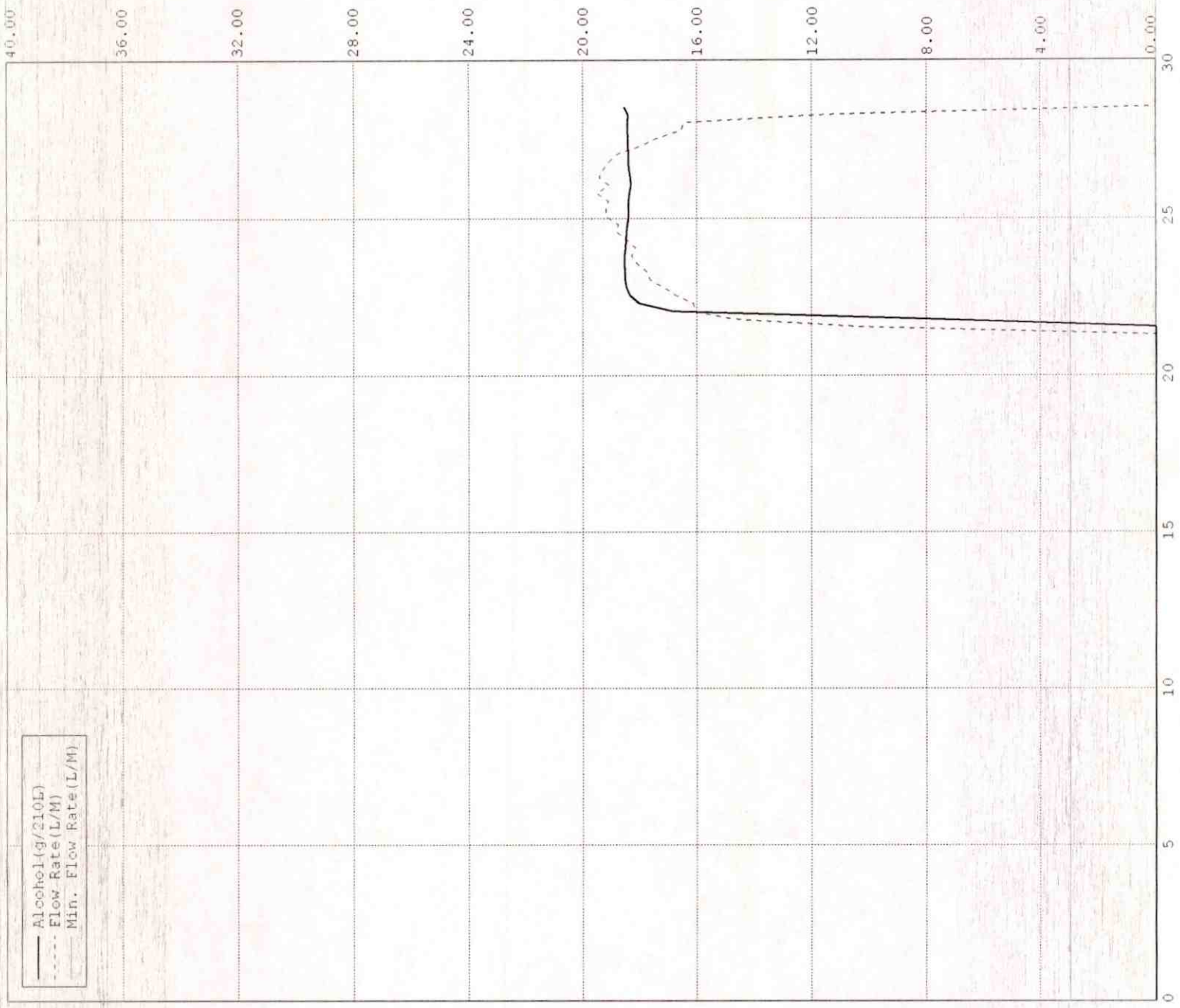
OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.14: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	14:00
BLANK TEST	0.000	14:00
INTERNAL STANDARD	VERIFIED	14:00
Xg = 0.119 (0.00%)		
EXTERNAL STANDARD	0.077	14:00
X[1] = 0.0771 (0.0000) (0.0016)		
BLANK TEST	0.000	14:01
SUBJECT SAMPLE (Vol=2.04L)	0.093	14:02
X[1] = 0.0930 (-0.0019) (0.0002)		
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.077	14:03
X[1] = 0.0770 (-0.0009) (0.0016)		
BLANK TEST	0.000	14:04

CXG



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100360

Date: 01/10/2023

Time: 14:23:01

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 29.14: 0.078

LOT #: AG113402

EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	14:24
BLANK TEST	0.000	14:24
INTERNAL STANDARD	VERIFIED	14:24
EXTERNAL STANDARD	0.078	14:24
BLANK TEST	0.000	14:25
SUBJECT SAMPLE (Vol=2.43L)	0.000	14:25
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.077	14:26
BLANK TEST	0.000	14:27

CXG

— Alcohol (g/210L)
 - - - - Flow Rate (L/M)
 Min. Flow Rate (L/M)

