

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100365 Analyst: Carlie Flaister Start Date: 6/21/2022

- Diagnostic Test (attached)
- Adjust voltages, if needed
 - Lamp (2.6V Maximum)
 - Bias
 - Cooler (2.0V Maximum)
- Internal Standard value \leq 3.00%
- Chopper Frequency
- Detector Voltage (-0.100V to 0.100V)
- Set RFI Sensitivity
- Adjust barometer reading to match NIST traceable barometer
- Adjust volume setting, if needed (1.5L +/- 0.1L)
- Print Technician Screen (attached)
- Print Calibration Factors (attached)
- Minimum Volume Test 1.5 L (1.3L to 1.7L)

Linearity Test (attached)

0.020g/210L Mnf: Airgas Lot: AG100401 Exp: 01/04/2023
0.040g/210L Mnf: Airgas Lot: AG111710 Exp: 04/27/2023
0.080g/210L Mnf: Airgas Lot: AG113402 Exp: 05/14/2023
0.100g/210L Mnf: Airgas Lot: AG108404 Exp: 03/25/2023
0.200g/210L Mnf: Guth Lot: 20570 Exp: 12/03/2022
Simulator S/N: DR4177 Date Calibrated: 11/30/2021
0.300g/210L Mnf: Guth Lot: 21030 Exp: 02/02/2023
Simulator S/N: SD1176 Date Calibrated: 11/30/2021

Functional Tests (attached)

- Incomplete
- Invalid
- Maximum Attempts Exceeded
- Radio Frequency Interference
- Interference (Volatiles)

Acetone Mnf: Lifeloc Lot: 21DP41158 Level: 0.100 Exp: 04/29/2023
Simulator S/N: SD1200 Date Calibrated: 11/30/2021
Isopropanol Mnf: Lifeloc Lot: 21KP41172 Level: 0.100 Exp: 11/09/2023
Simulator S/N: DR4176 Date Calibrated: 11/30/2021
Neg. Control Mnf: Lifeloc Lot: 21DP41158 Level: 0.100 Exp: 04/29/2023
Simulator S/N: DR4162 Date Calibrated: 11/29/2021

- Verify stylus is calibrated
- Non-Drinking Subject Test
- Reset Options
- Upload
- Clear Memory
- Remove Tank Prior to Shutdown
- Verification of Calibration
- Add Linearity Data to Spreadsheet

End Date: 6/21/2022

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 06/21/2022
Time: 08:58:23

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 = 45.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.83 V PASSED
(1.10 V - 2.56 V)
Cooler Voltage = 1.84 V PASSED
(1.10 V - 2.58 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 520 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.9 in

PUMP INFO

Flow Rate = 4.562 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
(0.001 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.100 1.39% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100365

Date: 06/21/2022
Time: 9:09 AM

Temperatures (°C)
Sample Cell: 48.9°C
Breath Tube: 45.6°C

Current Barometer 29.9 in
Volume (Ltr) 1.56

Settings
Lamp: 1.83 V
Bias: 80 V
Cooler: 1.89 V
Chopper: 521 Hz

Voltages (V)
Flow: 1.04 V
Detector: 0.054 V

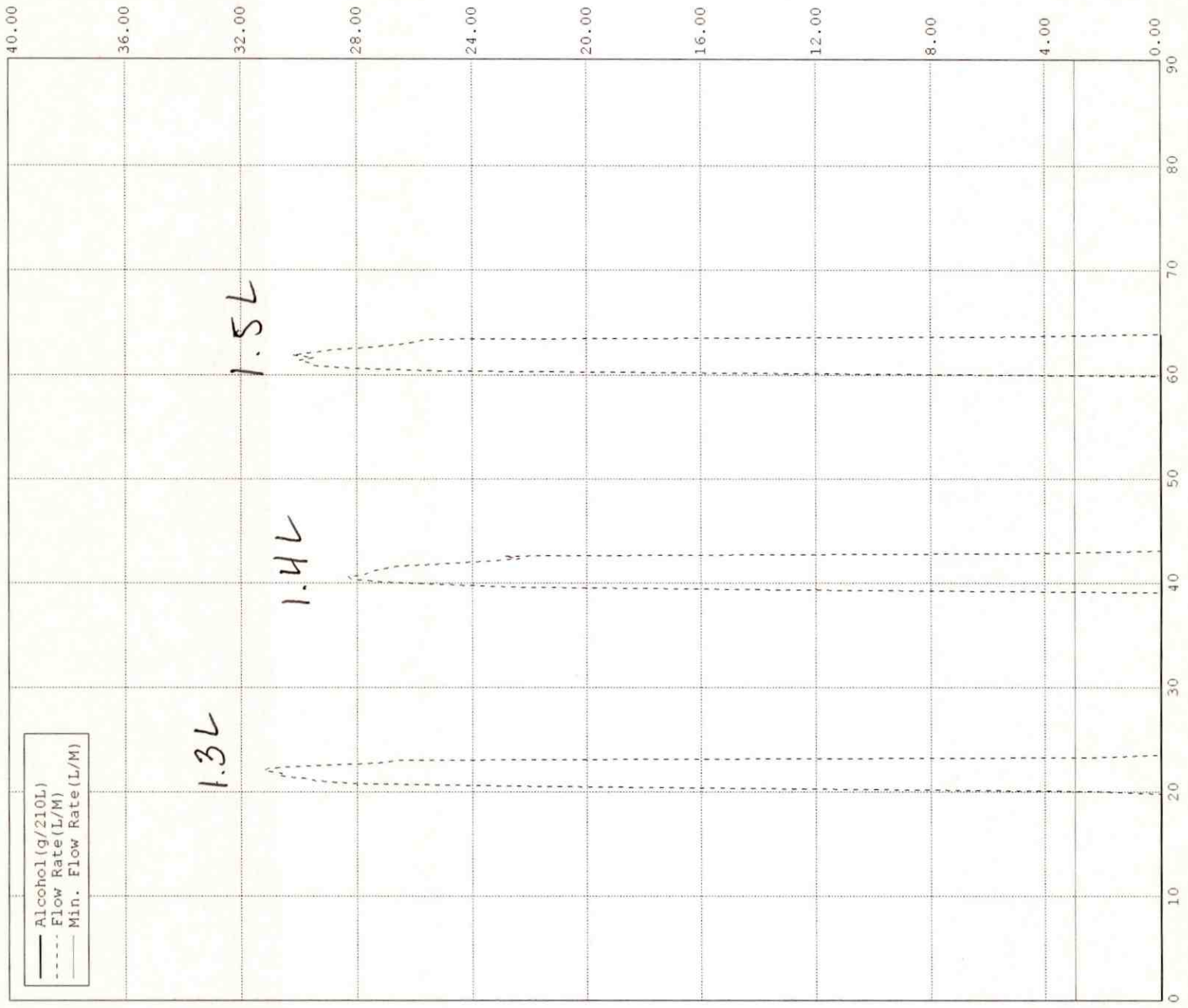
CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 10/29/2021
Time: 13:41:08

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.986413 0.800 <= CAL < 1.200
b1 = 0.0009 0.0000 <= b1 < 0.0040
b2 = 0.0050 0.0010 <= b2 < 0.0100
b3 = 0.0003 0.0000 <= b3 < 0.0040
Xq = 0.1011 0.0500 <= Xq < 0.2000
a21 = 1.179051 1.050 <= a21 < 1.300
a31 = 0.461790 0.300 <= a31 < 0.800



SUBJECT TEST

 Alaska Department of Public Safety
 DATAMASTER dmt: 100365

 Date: 06/21/2022
 Time: 09:12:22

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.85: 0.080
 LOT #: AG113402
 EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	09:13
BLANK TEST	0.000	09:13
INTERNAL STANDARD	VERIFIED	09:13
EXTERNAL STANDARD	0.078	09:13
BLANK TEST	0.000	09:14
SUBJECT SAMPLE (Vol=1.60L)	0.000	09:15
BLANK TEST	0.000	09:16
EXTERNAL STANDARD	0.079	09:17
BLANK TEST	0.000	09:17

CKG

LINEARITY CHECK

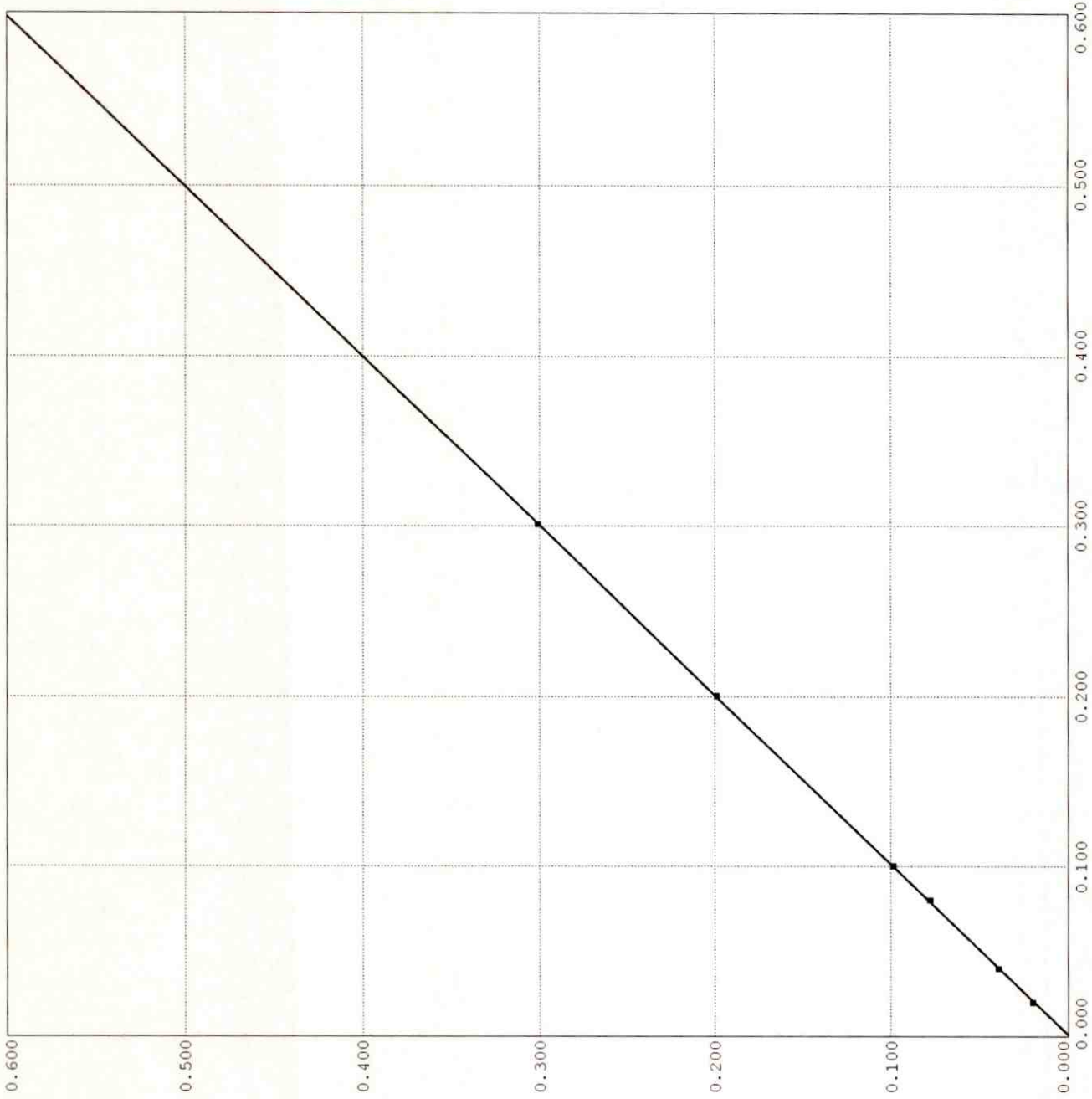
 Alaska Department of Public Safety
 DATAMASTER dmt: 100365

Date: 06/21/2022
 Time: 09:52:50

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0206	0.0005
0.040	0.0400	0.0000
0.080	0.0788	0.0004
0.100	0.0996	0.0005
0.200	0.1996	0.0005
0.300	0.3018	0.0004

SLOPE = 1.005018
 R² = 0.999933



CKG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100365

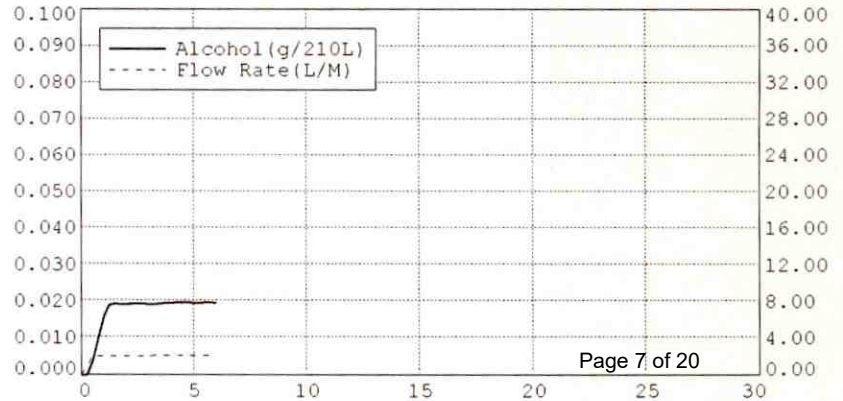
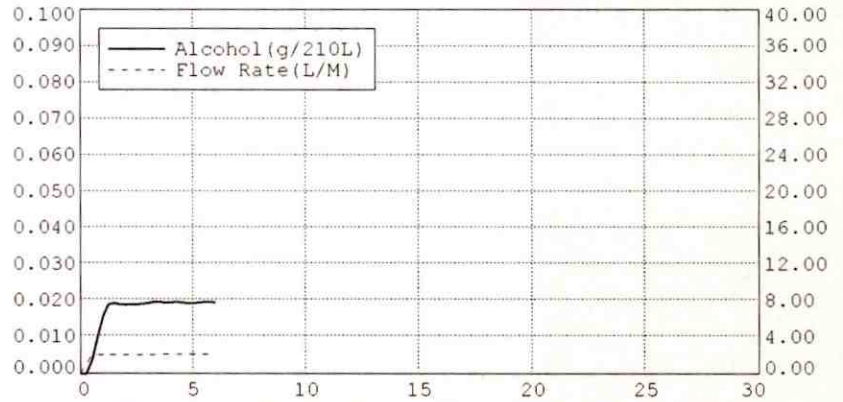
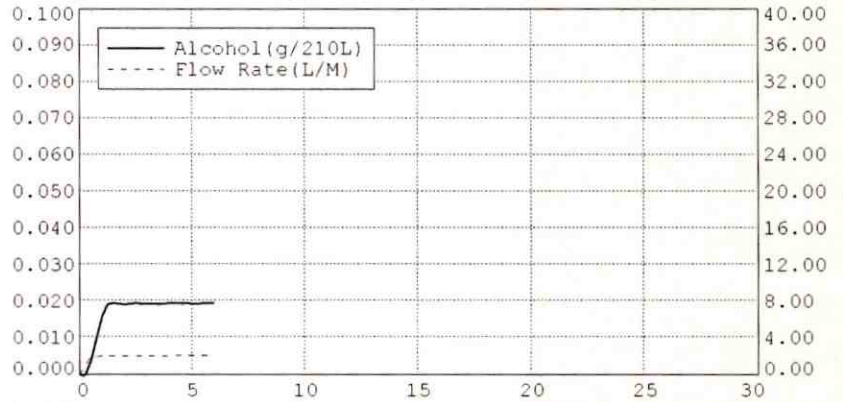
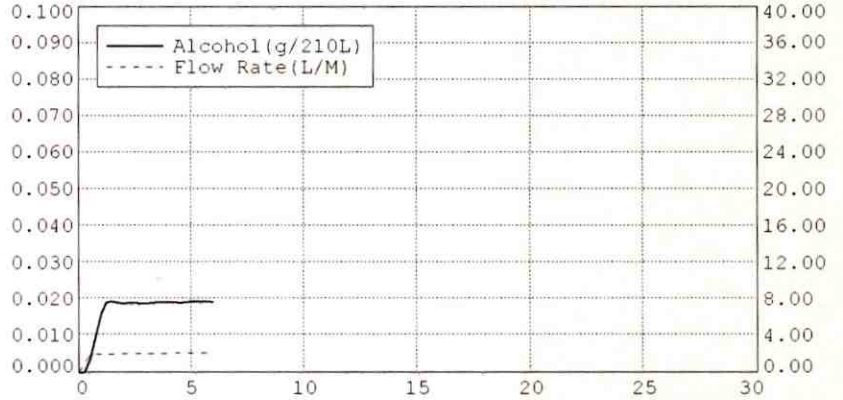
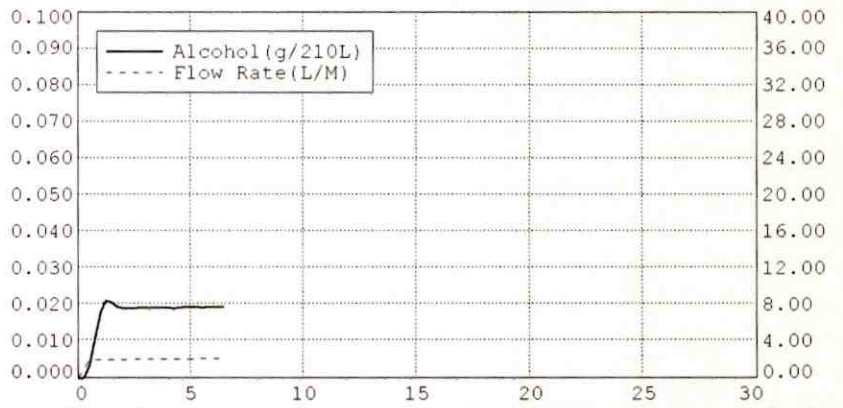
Date: 06/21/2022
Time: 09:52:52

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.86: 0.020
LOT #: AG100401
EXPIRATION: 01/04/2023
TANK PRESSURE: 566 psi

BLANK TEST	0.000	09:53
INTERNAL STANDARD	VERIFIED	09:54
EXTERNAL STANDARD	0.021	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.020	09:55
BLANK TEST	0.000	09:56
EXTERNAL STANDARD	0.021	09:56
BLANK TEST	0.000	09:57
EXTERNAL STANDARD	0.020	09:57
BLANK TEST	0.000	09:58
EXTERNAL STANDARD	0.021	09:58
BLANK TEST	0.000	09:59

Average = 0.0206
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100365

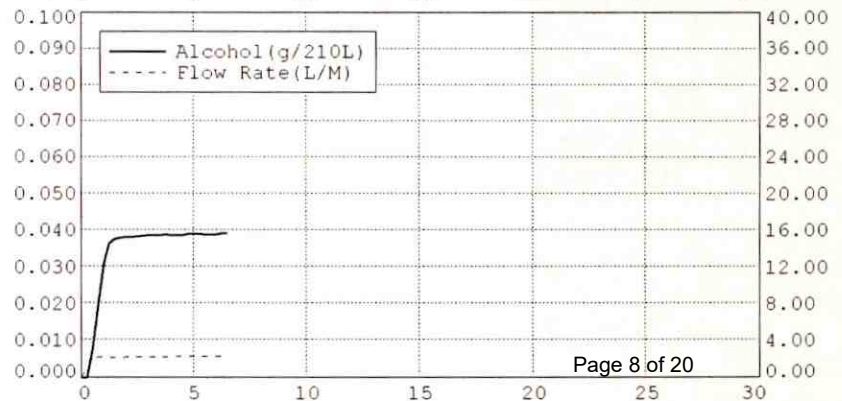
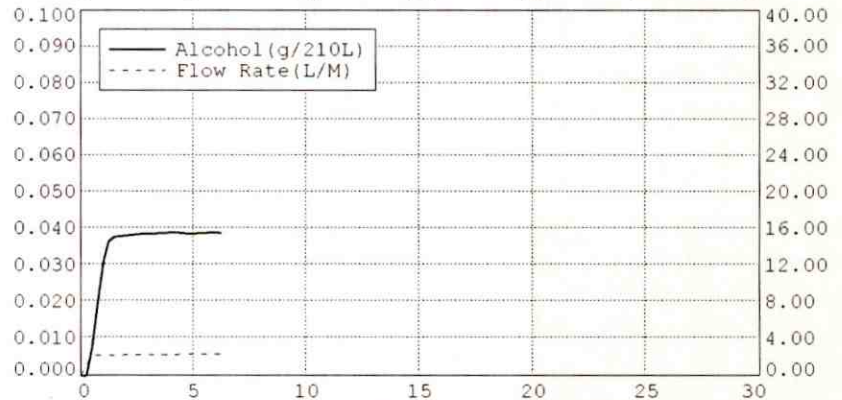
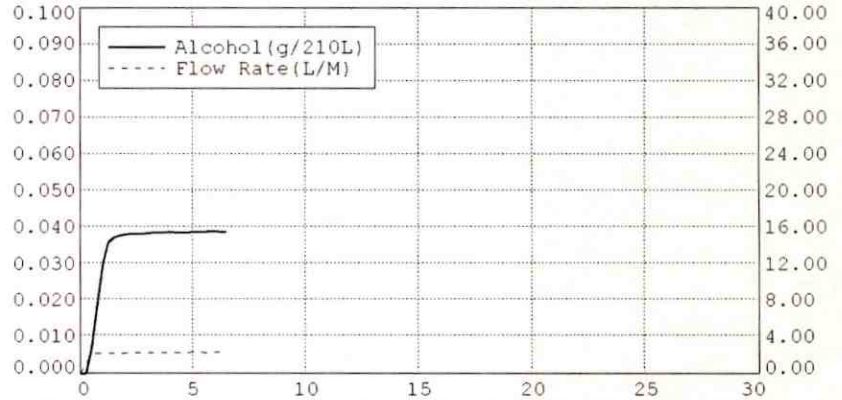
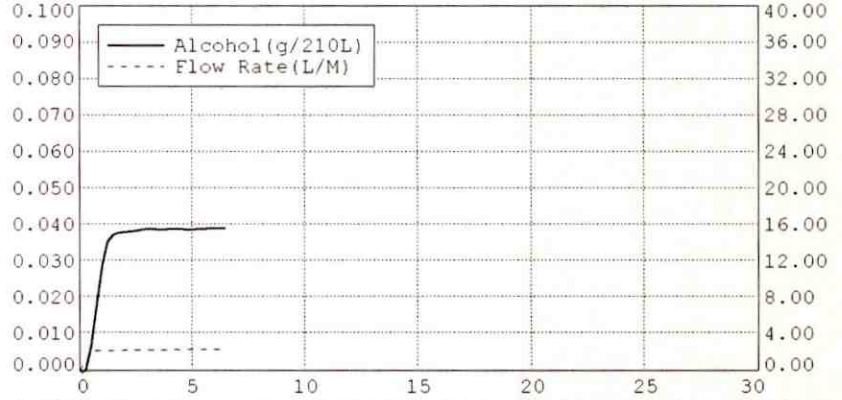
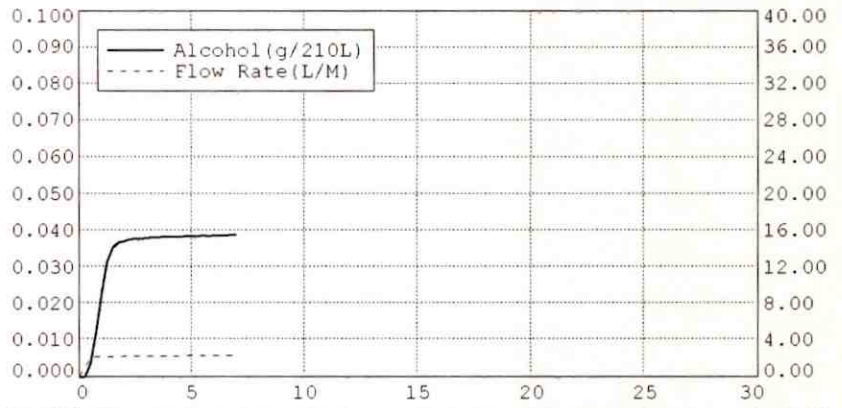
Date: 06/21/2022
Time: 10:00:10

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.85: 0.040
LOT #: AG111710
EXPIRATION: 04/27/2023
TANK PRESSURE: 783 psi

BLANK TEST	0.000	10:01
INTERNAL STANDARD	VERIFIED	10:01
EXTERNAL STANDARD	0.040	10:01
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.040	10:03
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.040	10:04
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.040	10:05
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.040	10:06
BLANK TEST	0.000	10:07

Average = 0.0400
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100365

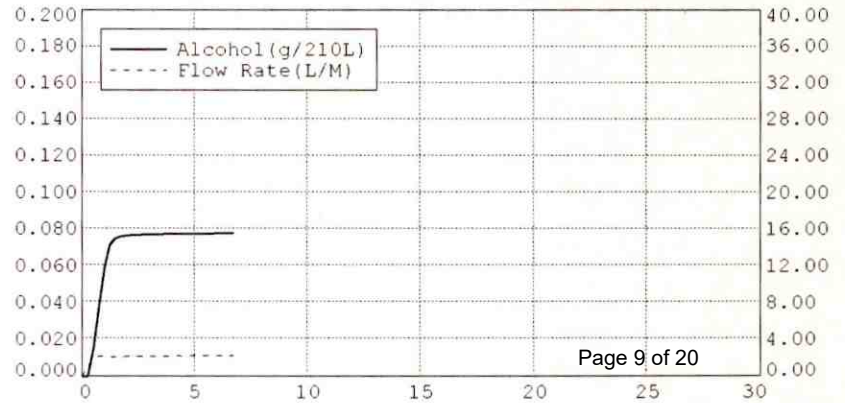
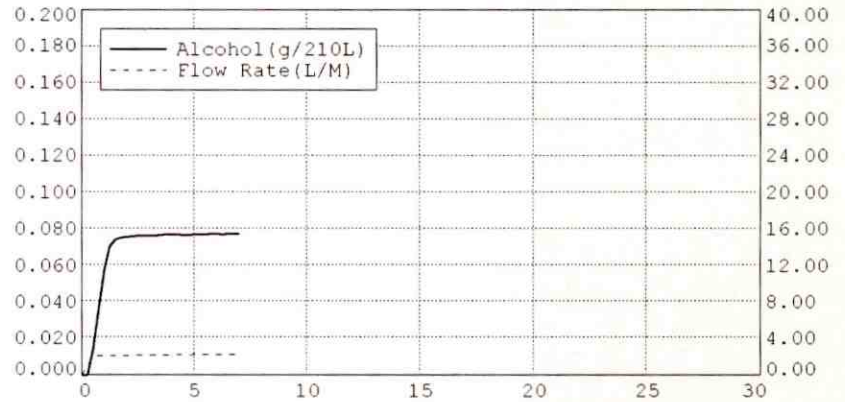
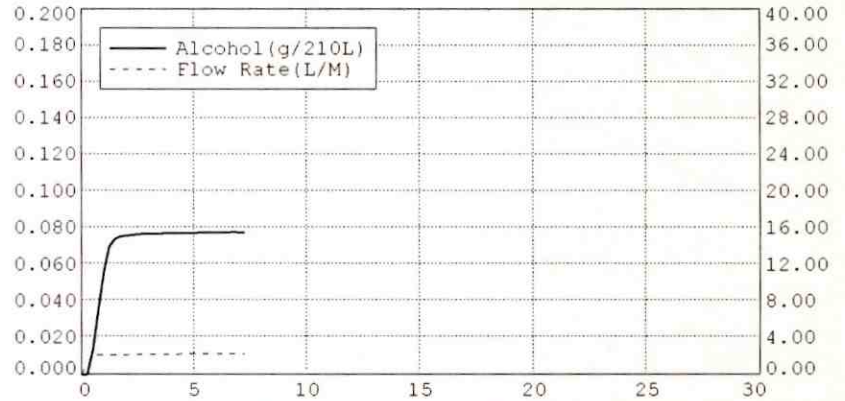
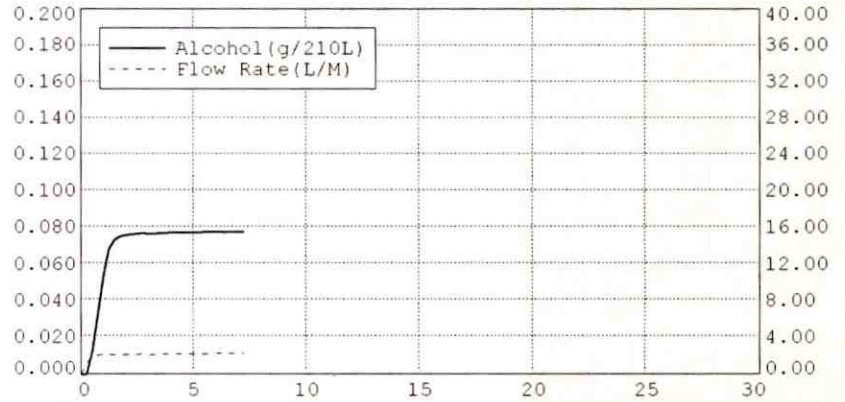
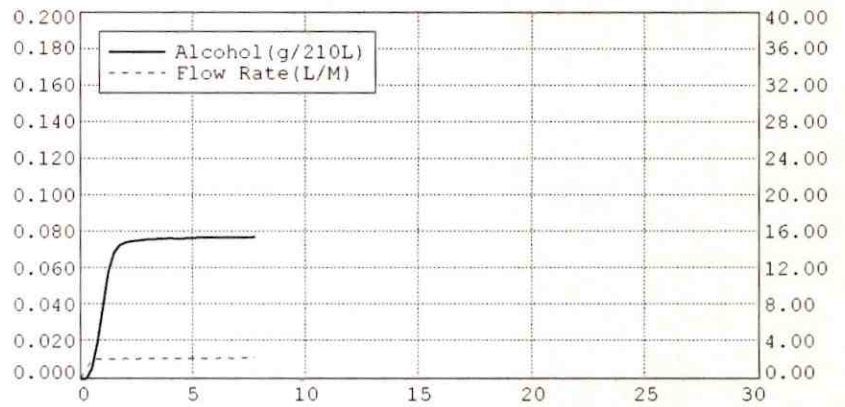
Date: 06/21/2022
 Time: 10:09:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.86: 0.080
 LOT #: AG113402
 EXPIRATION: 05/14/2023
 TANK PRESSURE: 649 psi

BLANK TEST	0.000	10:11
INTERNAL STANDARD	VERIFIED	10:11
EXTERNAL STANDARD	0.078	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.079	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.079	10:13
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.079	10:15
BLANK TEST	0.000	10:15
EXTERNAL STANDARD	0.079	10:16
BLANK TEST	0.000	10:17

Average = 0.0788
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dmt: 100365

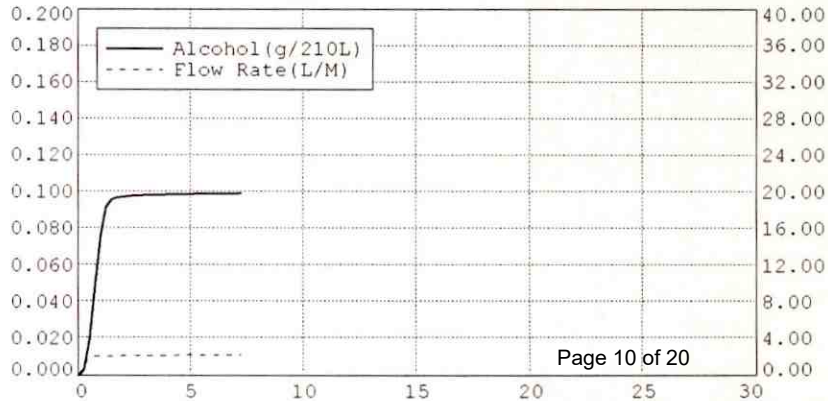
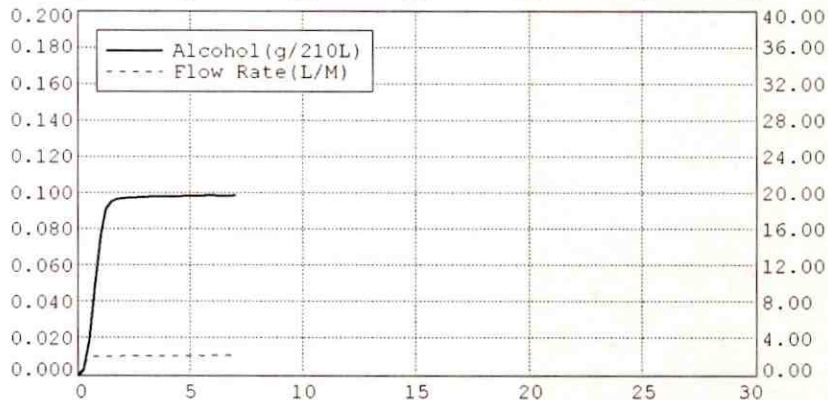
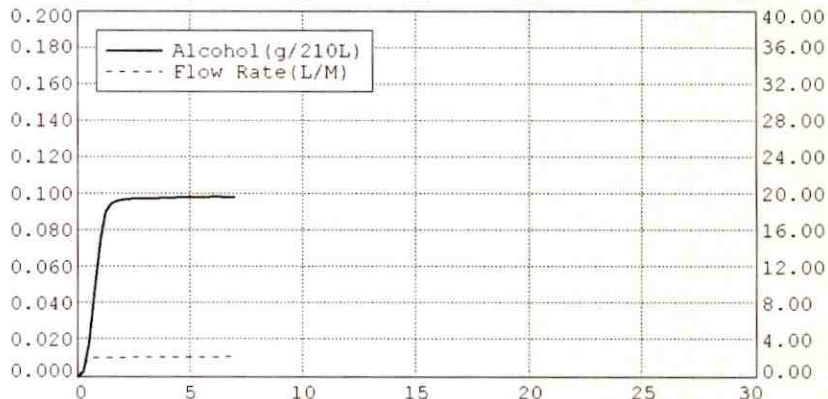
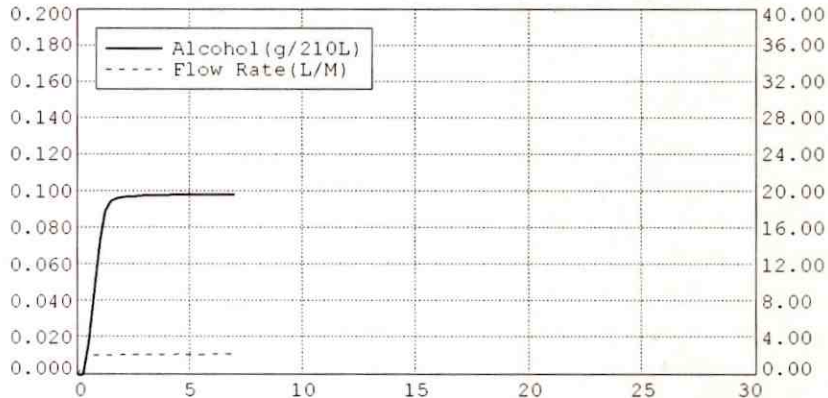
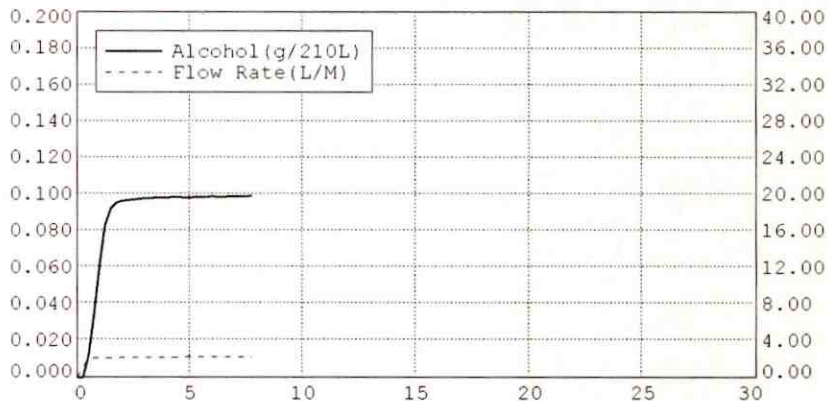
Date: 06/21/2022
 Time: 10:17:43

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.86: 0.100
 LOT #: AG108404
 EXPIRATION: 03/25/2023
 TANK PRESSURE: 615 psi

BLANK TEST	0.000	10:19
INTERNAL STANDARD	VERIFIED	10:19
EXTERNAL STANDARD	0.100	10:19
BLANK TEST	0.000	10:20
EXTERNAL STANDARD	0.099	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.099	10:22
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.100	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.100	10:24
BLANK TEST	0.000	10:25

Average = 0.0996
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 5

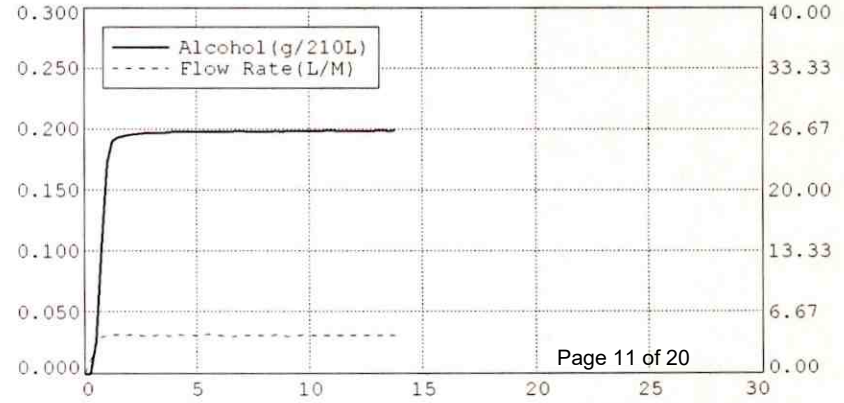
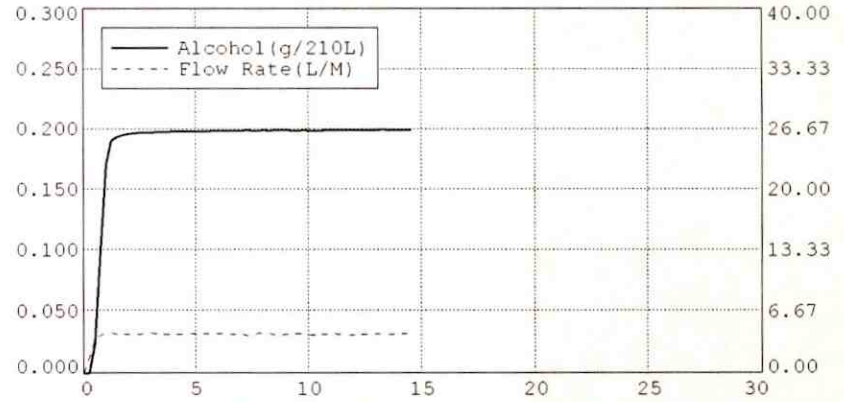
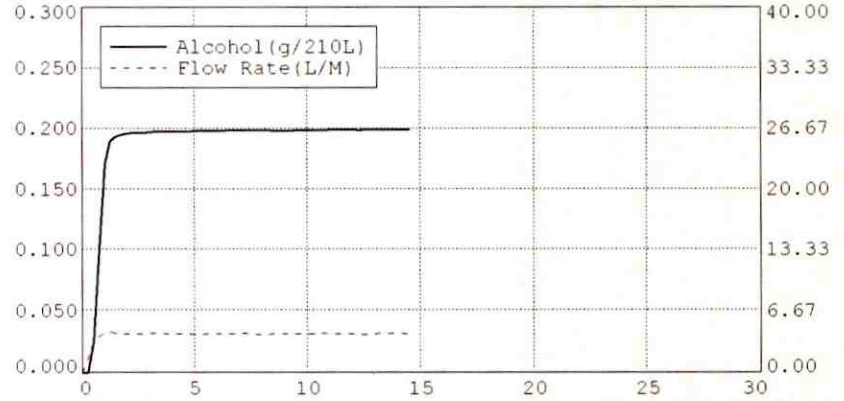
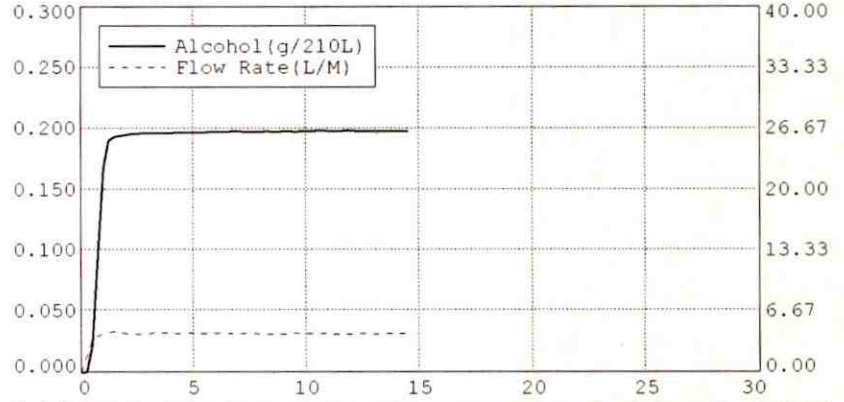
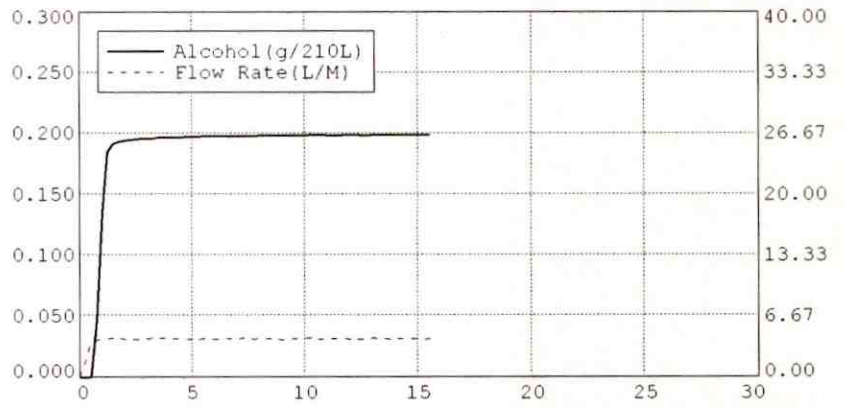
Alaska Department of Public Safety
 DATAMASTER dmt: 100365

Date: 06/21/2022
 Time: 10:34:23

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 LOT #: 20510
 EXPIRATION: 12/03/2022

BLANK TEST	0.000	10:35
INTERNAL STANDARD	VERIFIED	10:35
EXTERNAL STANDARD	0.199	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.199	10:37
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.200	10:38
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.200	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.200	10:40
BLANK TEST	0.000	10:41

Average = 0.1996
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 6

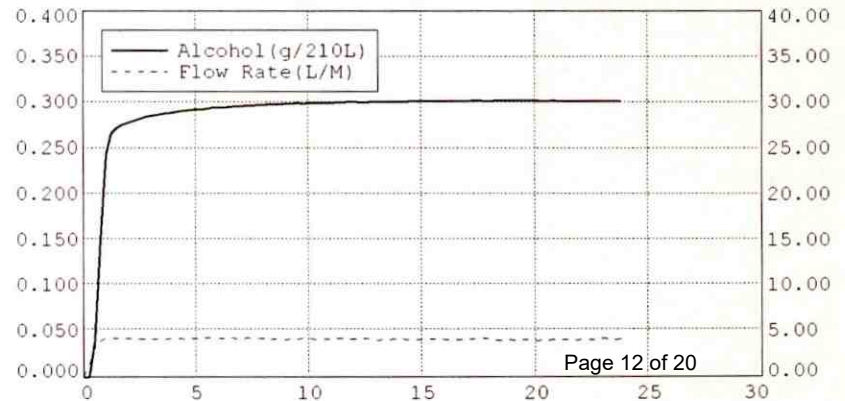
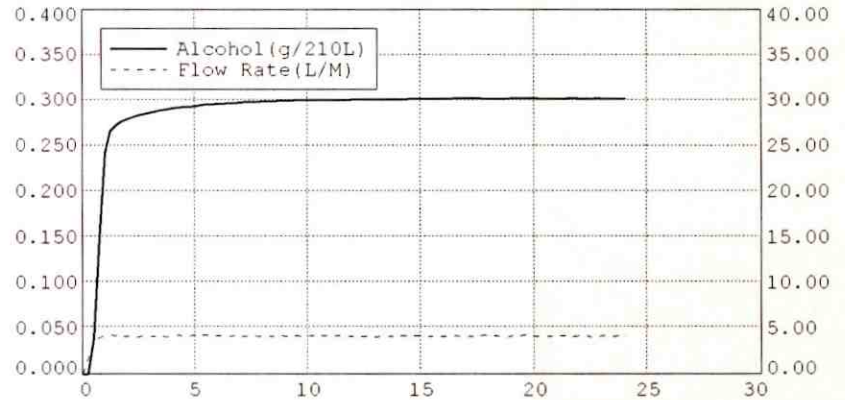
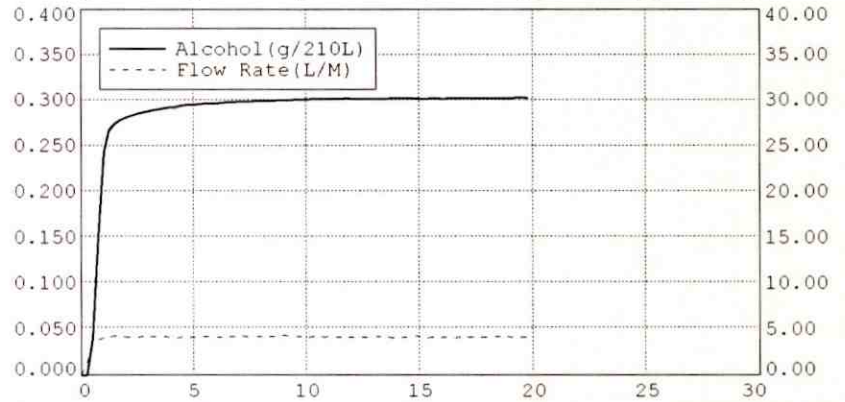
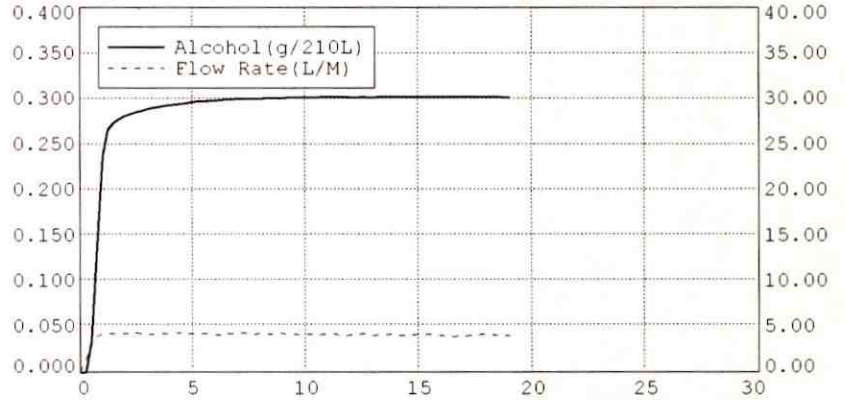
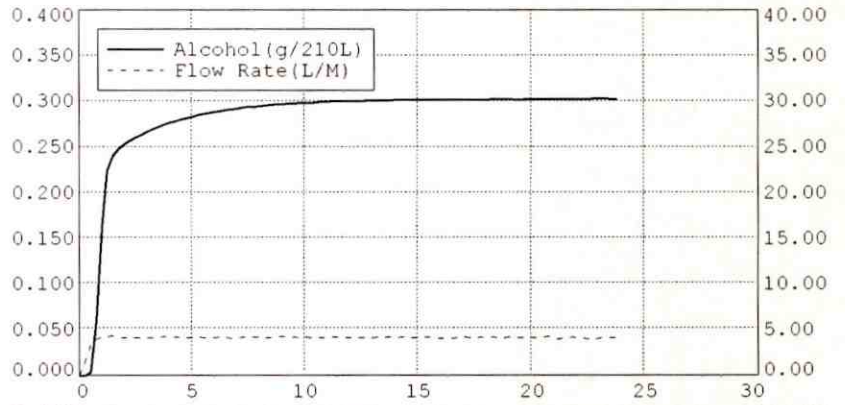
Alaska Department of Public Safety
 DATAMASTER dmt: 100365

Date: 06/21/2022
 Time: 10:48:20

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 LOT #: 21030
 EXPIRATION: 02/02/2023

BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
EXTERNAL STANDARD	0.302	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.301	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.302	10:53
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.302	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.302	10:55
BLANK TEST	0.000	10:56

Average = 0.3018
 Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 06/21/2022
Time: 11:01:53

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

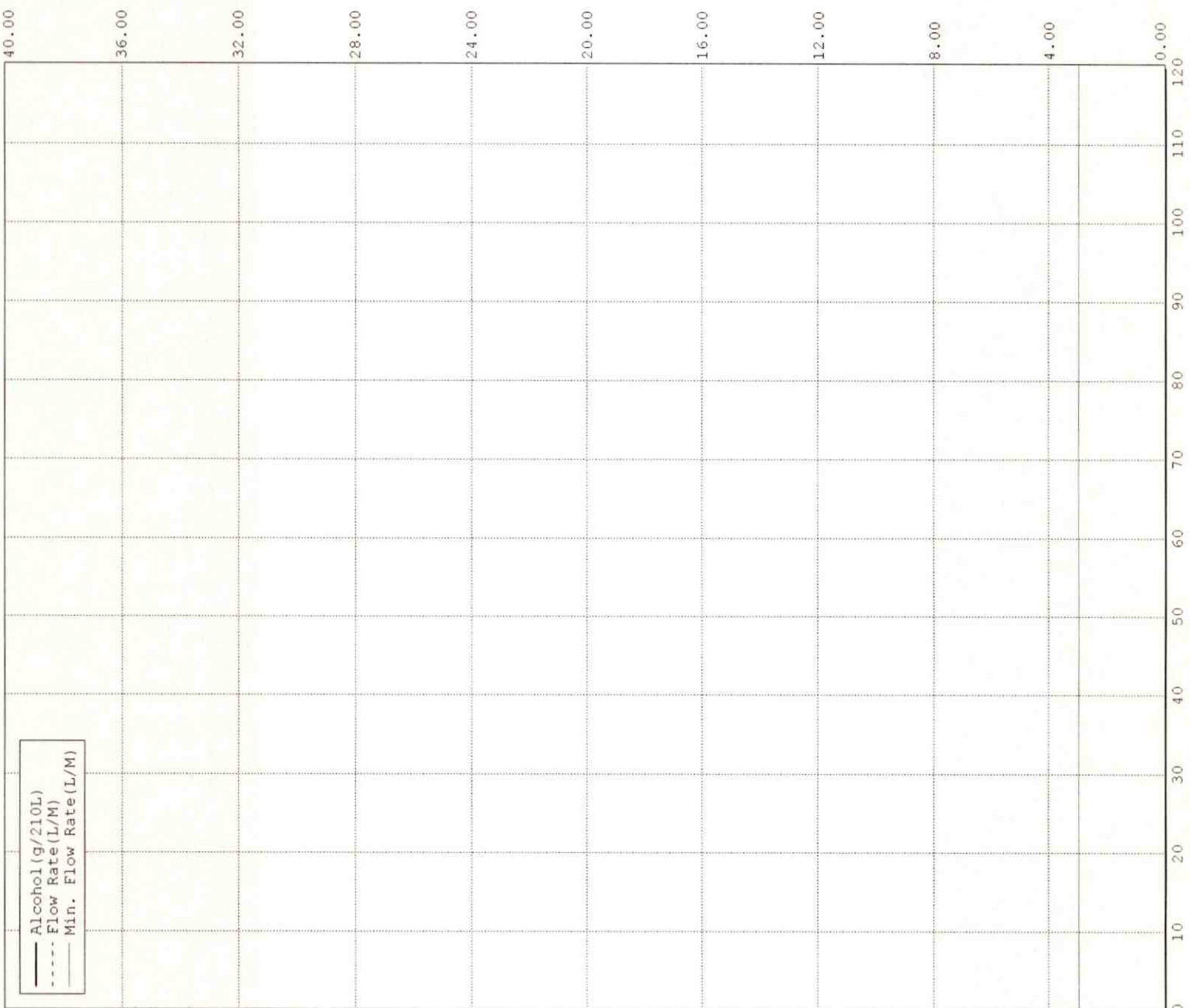
OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.86: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK PASSED 11:03
BLANK TEST 0.000 11:03
INTERNAL STANDARD VERIFIED 11:03
EXTERNAL STANDARD 0.078 11:03
BLANK TEST 0.000 11:04
SUBJECT SAMPLE INCOMPLETE 11:06

CKG



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100365

Date: 06/21/2022

Time: 11:08:48

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 29.86: 0.080

LOT #: AG113402

EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK

BLANK TEST

INTERNAL STANDARD

EXTERNAL STANDARD

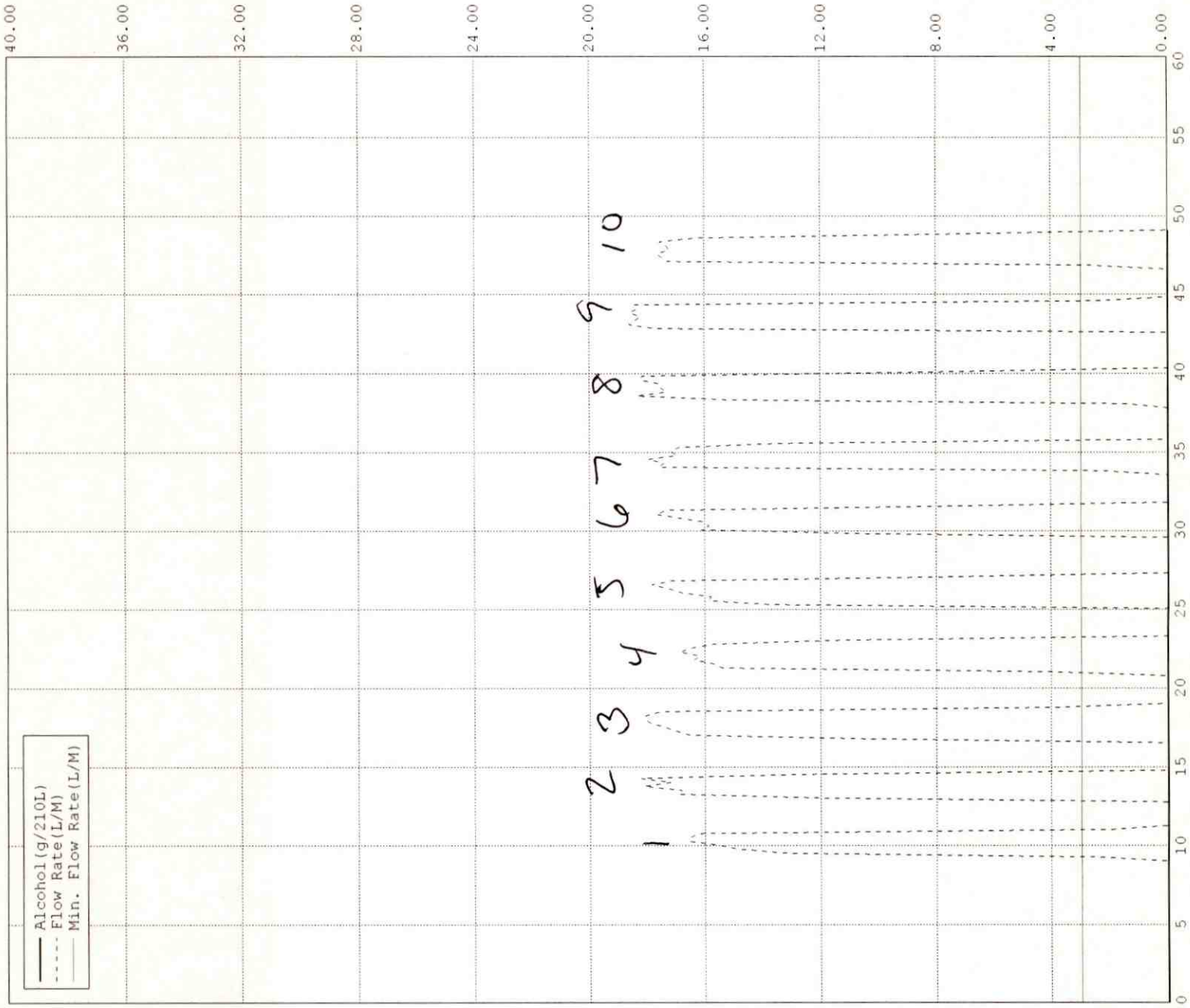
BLANK TEST

SUBJECT SAMPLE

PASSED	11:10
0.000	11:10
VERIFIED	11:10
0.079	11:11
0.000	11:11
XXX	11:12

Maximum Attempts Exceeded

CHKG



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100365

Date: 06/21/2022

Time: 11:15:12

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 29.86: 0.080

LOT #: AG113402

EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK

PASSED 11:16

BLANK TEST

0.000 11:16

INTERNAL STANDARD

VERIFIED 11:16

EXTERNAL STANDARD

0.078 11:16

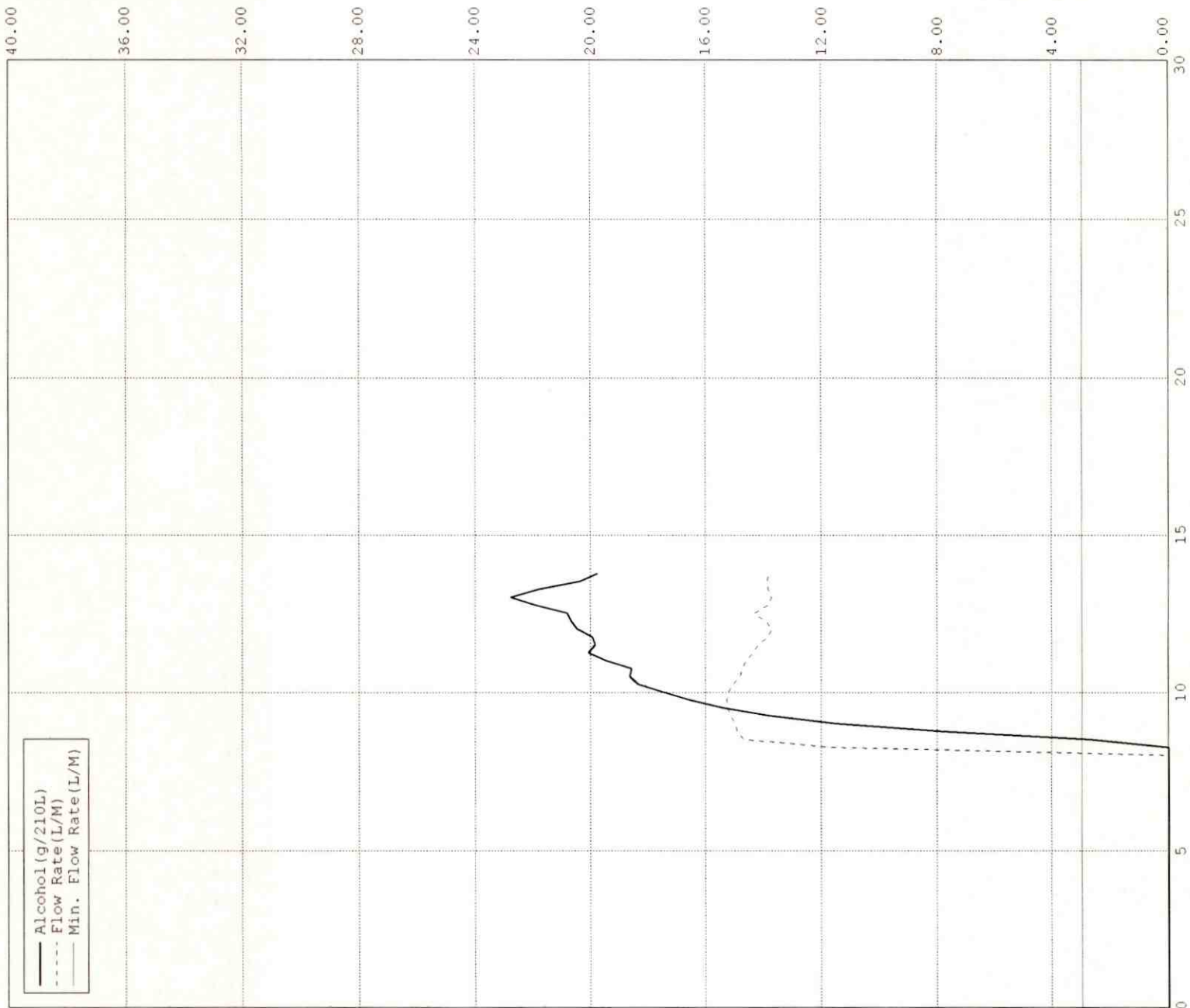
BLANK TEST

0.000 11:17

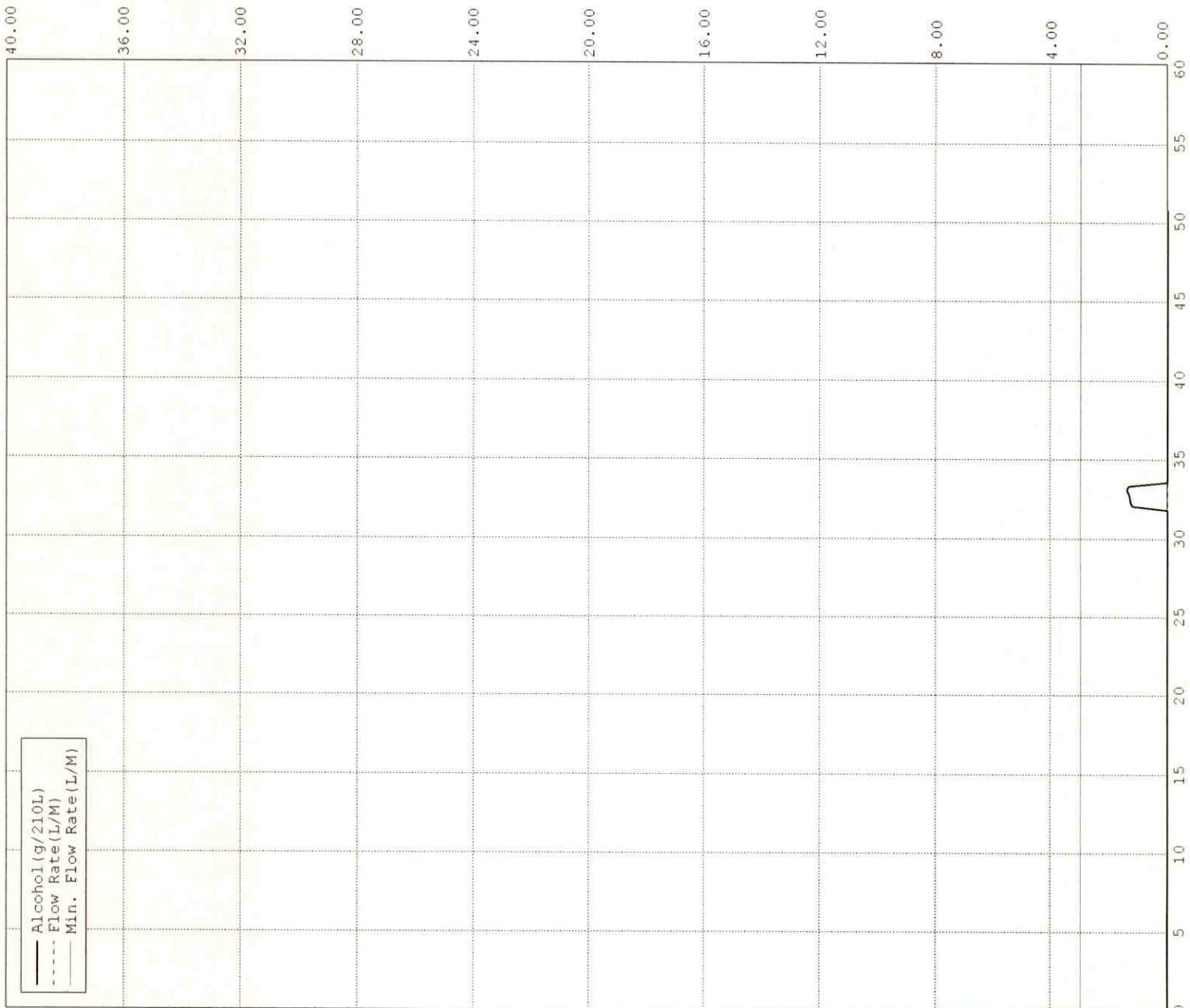
SUBJECT SAMPLE

INVALID 11:17

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



CKG



SUBJECT TEST

 Alaska Department of Public Safety
 DATAMASTER dmt: 100365

 Date: 06/21/2022
 Time: 11:24:59

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 29.85: 0.080
 LOT #: AG113402
 EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	11:26
BLANK TEST	0.000	11:26
INTERNAL STANDARD	VERIFIED	11:26
EXTERNAL STANDARD	0.078	11:26
BLANK TEST	0.000	11:27

RFI DETECTED

CLG

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100365

Date: 06/21/2022
 Time: 12:41:04

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

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

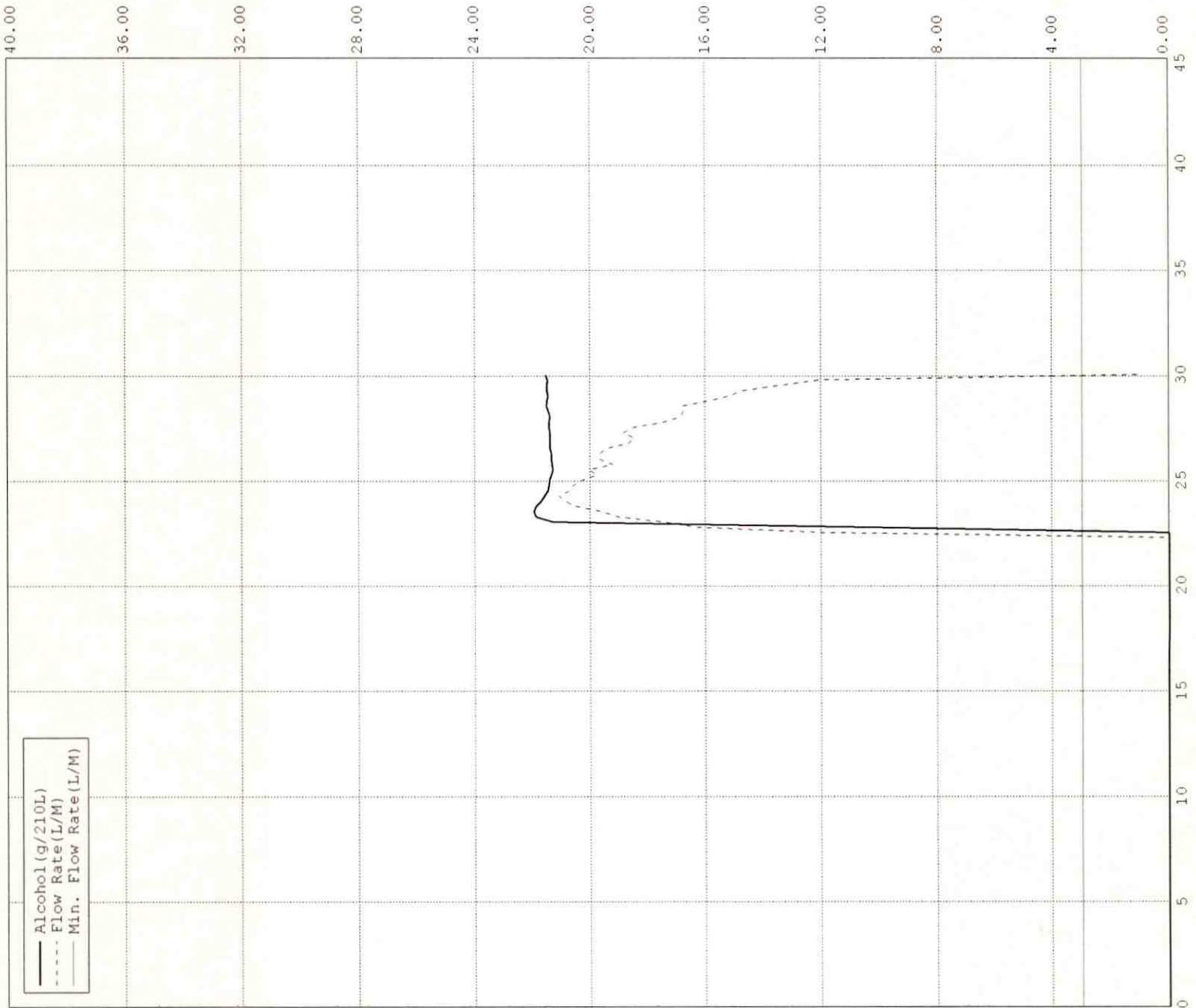
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.86: 0.080
 LOT #: AG113402
 EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	12:42
BLANK TEST	0.000	12:42
INTERNAL STANDARD	VERIFIED	12:42
Xq = 0.100 (1.13%)		
EXTERNAL STANDARD	0.078	12:43
X[1] = 0.0779 (0.0003) (0.0034)		
BLANK TEST	0.000	12:44
SUBJECT SAMPLE	XXX	12:44
X[1] = 0.1096 (-0.0179) (0.0015)		

Interference Detected

Filter 2 Avg: 0.0012
 Filter 3 Avg: ~~0.0030~~ 0.0031
 OKG- 06/21/2022

OKG



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 06/21/2022
Time: 12:56:28

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

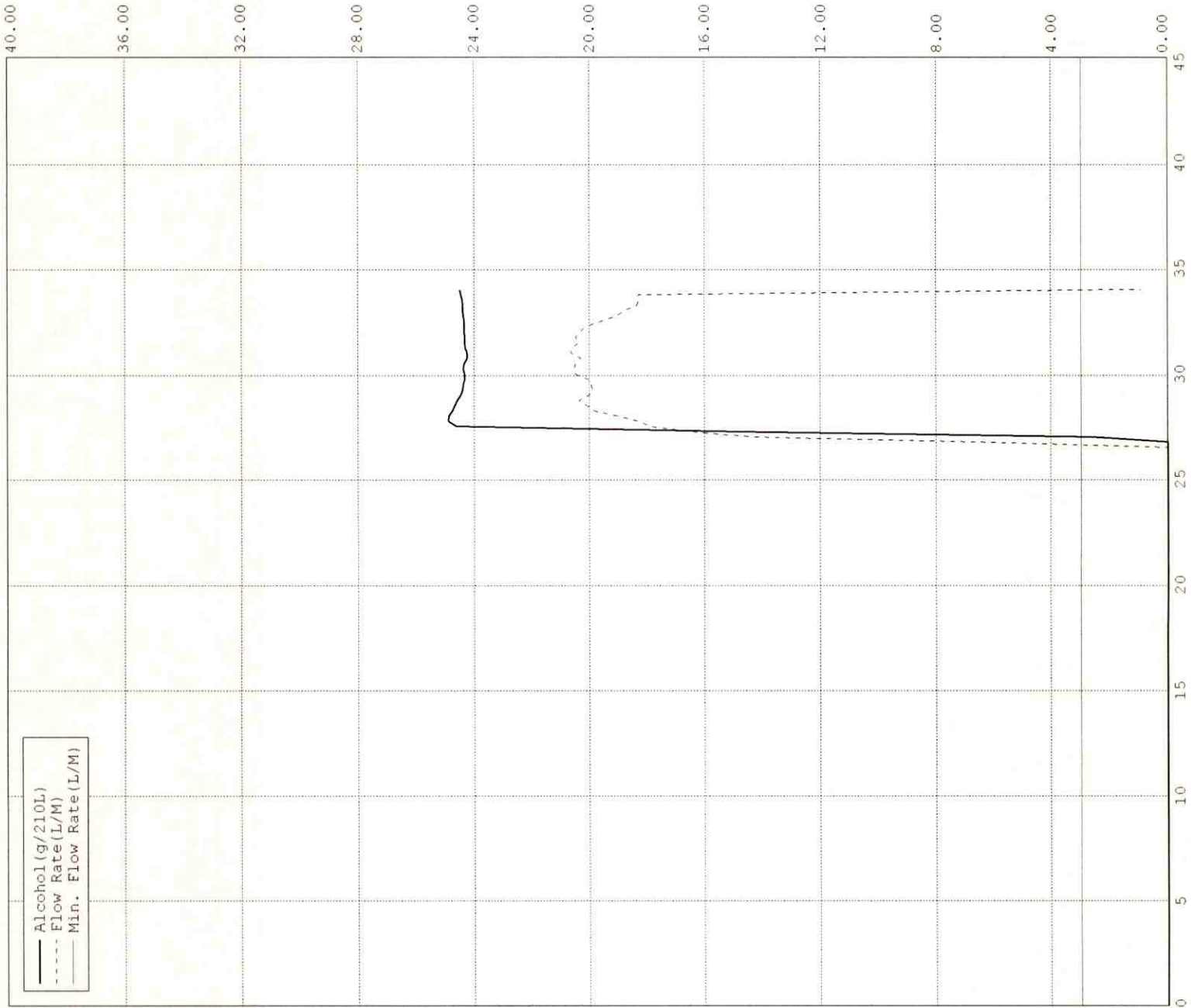
DEPT/AGENCY:
INTERFERENCE - IPA
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.86: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	12:57
BLANK TEST	0.000	12:57
INTERNAL STANDARD	VERIFIED	12:57
Xq = 0.101 (0.52%)		
EXTERNAL STANDARD	0.078	12:57
X[1] = 0.0783 (0.0008) (0.0044)		
BLANK TEST	0.000	12:58
SUBJECT SAMPLE	XXX	12:59
X[1] = 0.1235 (-0.0282) (0.0040)		

Interference Detected

CKG



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100365

Date: 06/21/2022
 Time: 12:46:34

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

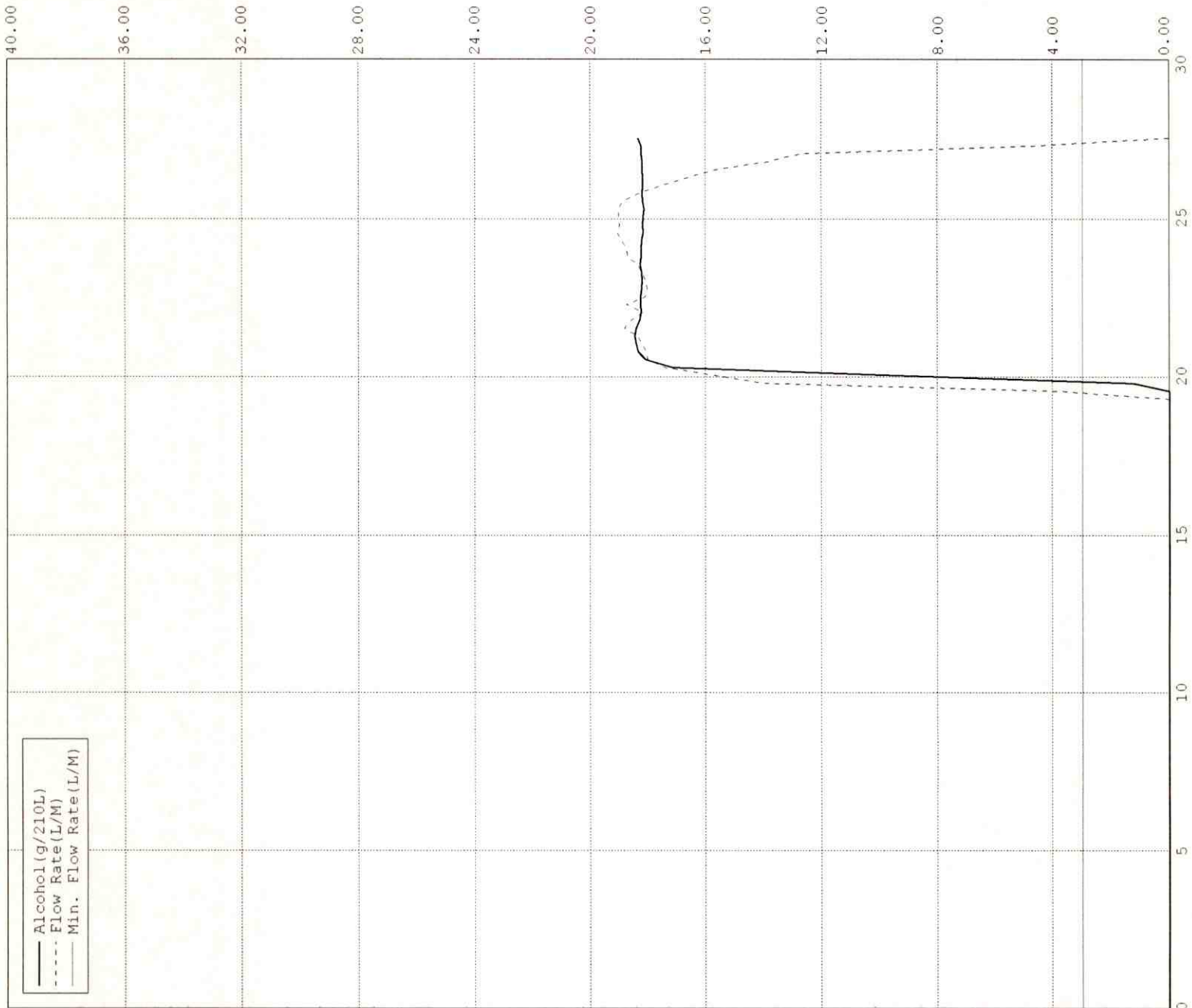
OPERATOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.86: 0.080
 LOT #: AG113402
 EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	12:47
BLANK TEST	0.000	12:47
INTERNAL STANDARD	VERIFIED	12:47
Xq = 0.101 (0.52%)		
EXTERNAL STANDARD	0.079	12:48
X[1] = 0.0786 (0.0020) (0.0021)		
BLANK TEST	0.000	12:49
SUBJECT SAMPLE (Vol=2.25L)	0.093	12:49
X[1] = 0.0931 (0.0005) (0.0022)		
BLANK TEST	0.000	12:50
EXTERNAL STANDARD	0.080	12:50
X[1] = 0.0800 (0.0018) (0.0023)		
BLANK TEST	0.000	12:51

OKG



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 06/21/2022
Time: 13:20:17

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 29.86: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	13:21
BLANK TEST	0.000	13:21
INTERNAL STANDARD	VERIFIED	13:21
EXTERNAL STANDARD	0.079	13:21
BLANK TEST	0.000	13:22
SUBJECT SAMPLE (Vol=1.96L)	0.000	13:23
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.079	13:24
BLANK TEST	0.000	13:25

CKG

100365 2022.06.21 Certification

