

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100356 Analyst: Carlie Flaisters Start Date: 2/25/22
Tatiana Lee

- Diagnostic Test (attached)
- Adjust voltages, if needed
 - Lamp (2.6V Maximum)
 - Bias
 - Cooler (2.0V Maximum)
 - Chopper Frequency
 - Detector Voltage (-0.100V to 0.100V)
- Internal Standard value $\leq 3.00\%$
- 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 1.6 L (1.3L to 1.7L)

Linearity Test (attached)

0.020g/210L Mnf: Airgas Lot: At100401 Exp: 01/04/2023
0.040g/210L Mnf: Airgas Lot: At111710 Exp: 04/27/2023
0.080g/210L Mnf: Airgas Lot: At1018102 Exp: 06/29/2022
0.100g/210L Mnf: Airgas Lot: At108404 Exp: 03/25/2023
0.200g/210L Mnf: buth Lot: 20510 Exp: 12/03/2022
Simulator S/N: PR4161 Date Calibrated: 06/16/2021
0.300g/210L Mnf: buth Lot: 21030 Exp: 02/02/2023
Simulator S/N: SD1202 Date Calibrated: 06/15/2021

Functional Tests (attached)

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

Acetone Mnf: lifeloc Lot: 210P41158 Level: 0.100 Exp: 4/29/2023
Simulator S/N: SD1177 Date Calibrated: 6/15/2021
Isopropanol Mnf: lifeloc Lot: 210P41158 Level: 0.100 Exp: 04/29/2023
Simulator S/N: SD1198 Date Calibrated: 06/15/2021
Neg. Control Mnf: lifeloc Lot: 210P41172 Level: 0.100 Exp: 11/9/2023
Simulator S/N: SD1088 Date Calibrated: 6/15/2021

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

End Date: 2/25/2022

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 09:18:55

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

TEMPERATURES

Sample Chamber = 49.2°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.66 V PASSED
(0.95 V - 2.21 V)
Cooler Voltage = 1.62 V PASSED
(0.97 V - 2.27 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 521 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.3 in

PUMP INFO

Flow Rate = 4.318 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 PASSED
Xq = 0.103 2.73% (0.00% - 4.00%)

Technician Screen

DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 9:31 AM

Temperatures (°C)
Sample Cell: 48.9°C
Breath Tube: 47.4°C

Current Barometer 29.3 in
Volume (Ltr) 1.45

Settings
Lamp: 1.72 V
Bias: 79 V
Cooler: 1.59 V
Chopper: 520 Hz

Voltages (V)
Flow: 1.04 V
Detector: -0.025 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 12/13/2011
Time: 08:03:56

Ca = 0.1000
CAL = 0.987816 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0032 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.1063 0.0500 <= Xq < 0.2000
a21 = 1.207667 1.050 <= a21 < 1.300
a31 = 0.471870 0.300 <= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 09:42:42

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

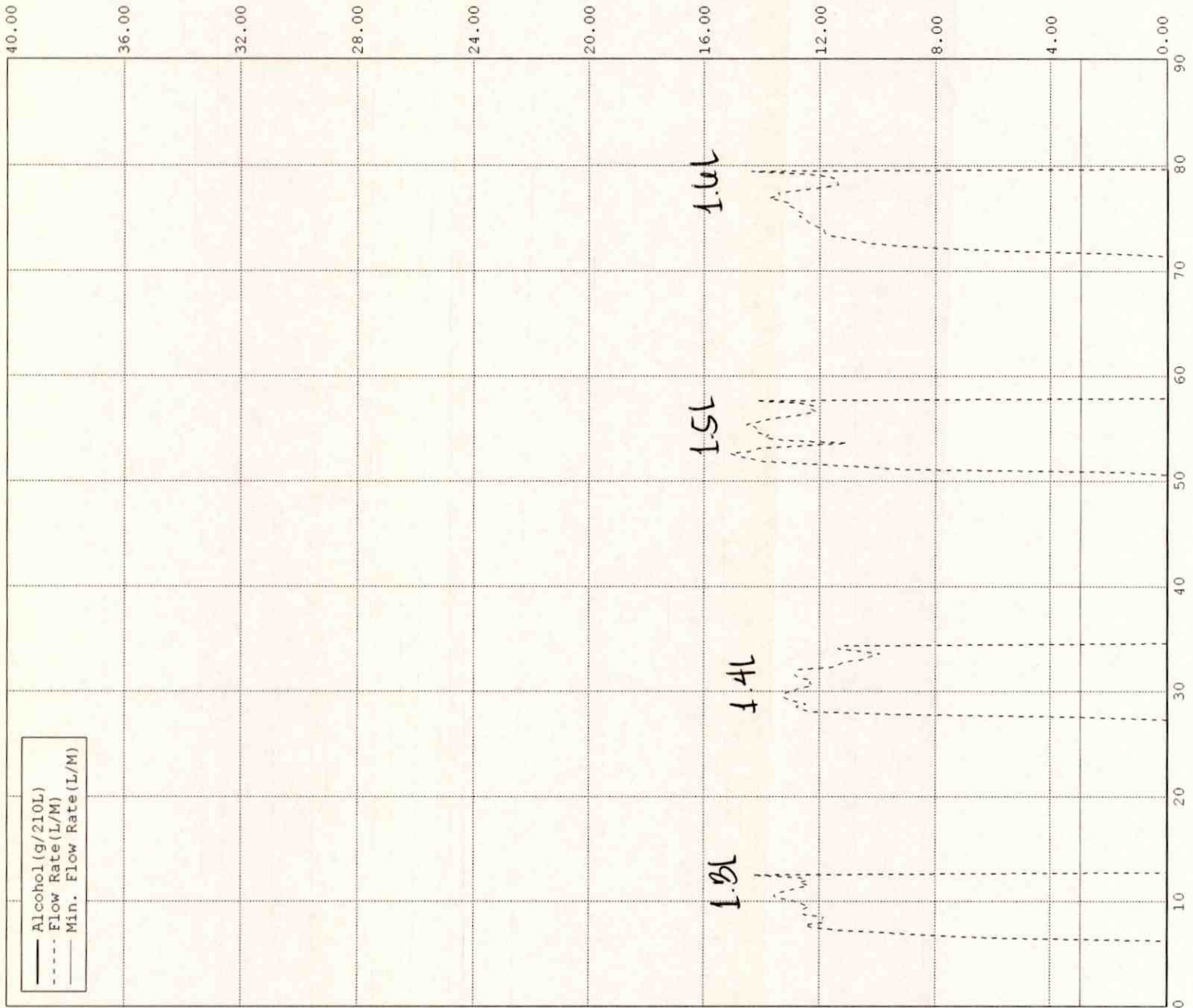
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.28: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	09:43
BLANK TEST	0.000	09:43
INTERNAL STANDARD	VERIFIED	09:43
EXTERNAL STANDARD	0.077	09:44
BLANK TEST	0.000	09:45
SUBJECT SAMPLE (Vol=1.54L)	0.000	09:46
BLANK TEST	0.000	09:47
EXTERNAL STANDARD	0.078	09:47
BLANK TEST	0.000	09:48

CKG

CKG 02/25/2022



LINEARITY CHECK

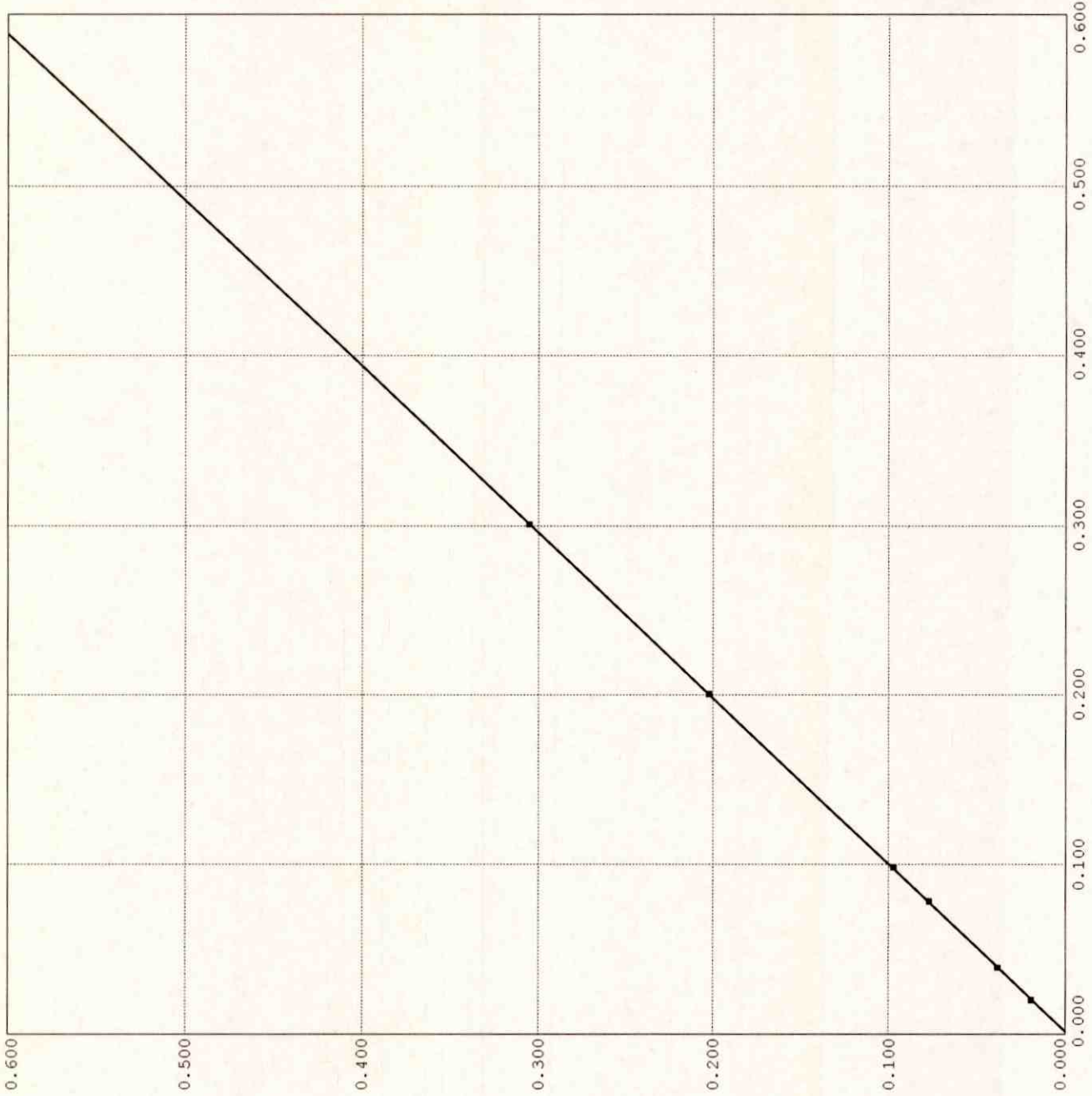
 Alaska Department of Public Safety
 DATAMASTER dmt: 100356

Date: 02/25/2022
 Time: 10:01:22

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.039	0.0392	0.0004
0.078	0.0780	0.0000
0.098	0.0982	0.0004
0.200	0.2032	0.0004
0.300	0.3060	0.0007

SLOPE = 1.022431
 R² = 0.999967



CKG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100356

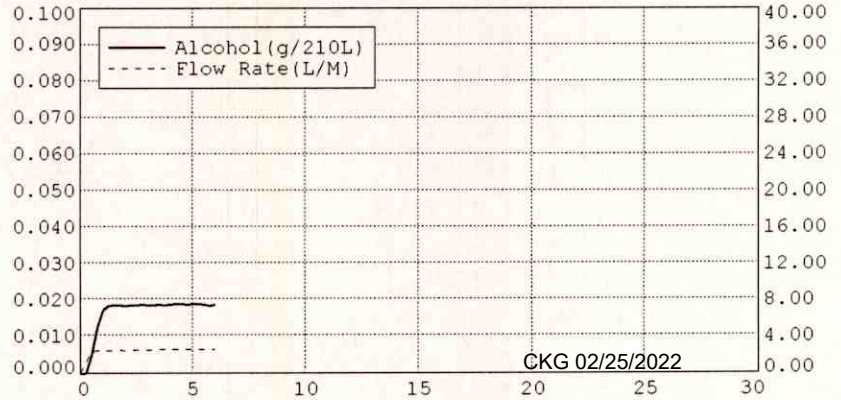
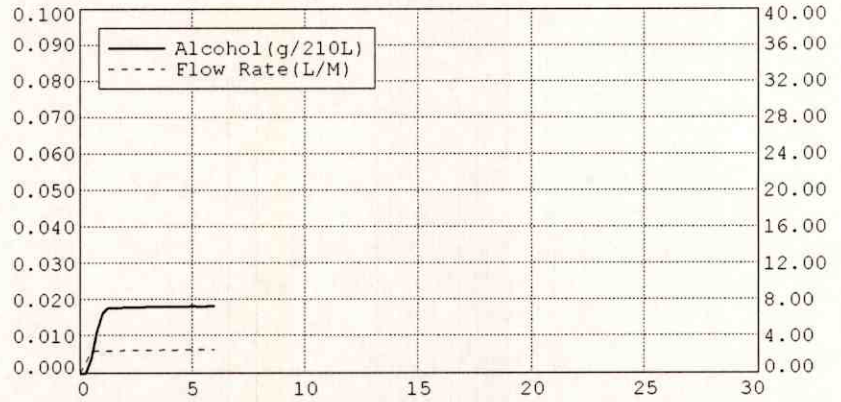
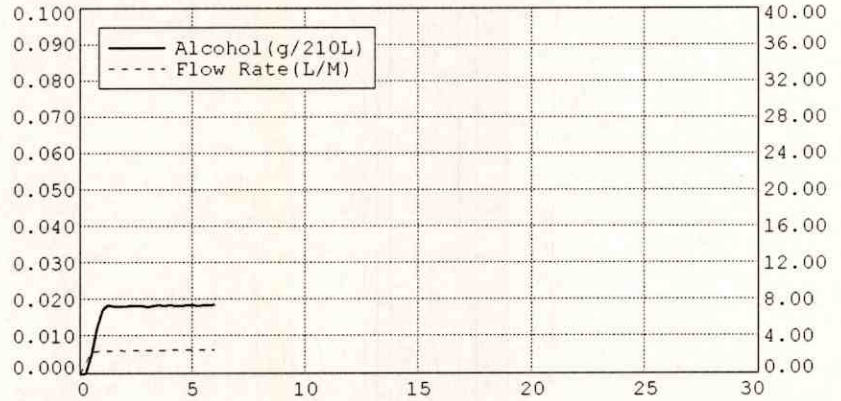
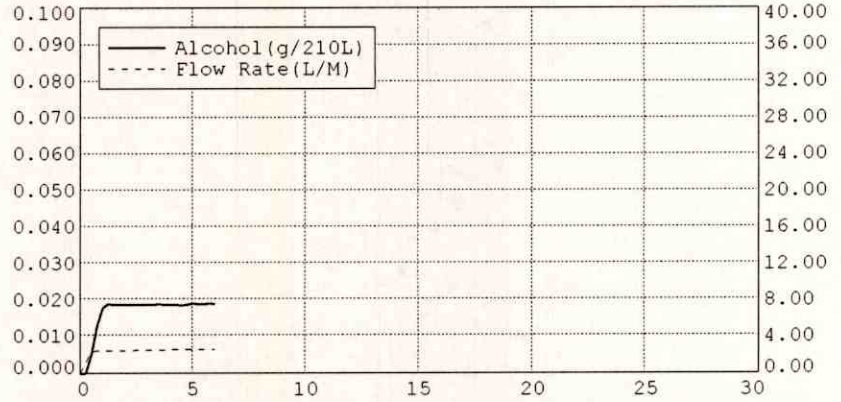
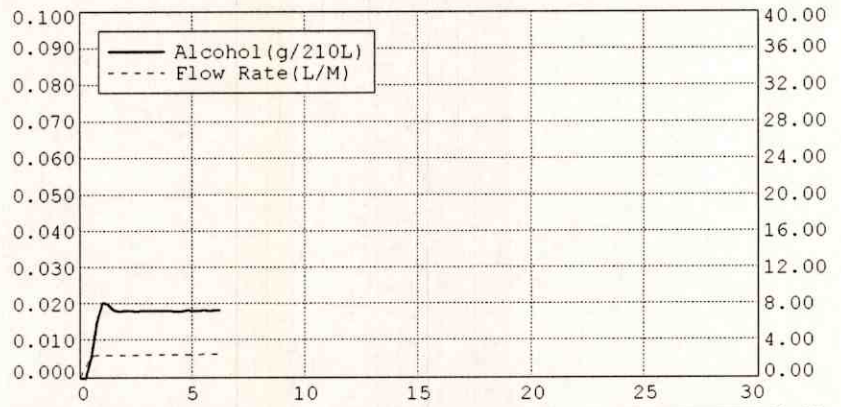
Date: 02/25/2022
 Time: 10:01:25

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.28: 0.020
 LOT #: AG100401
 EXPIRATION: 01/04/2023
 TANK PRESSURE: 997 psi

BLANK TEST	0.000	10:03
INTERNAL STANDARD	VERIFIED	10:03
EXTERNAL STANDARD	0.020	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.020	10:04
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.020	10:05
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.020	10:06
BLANK TEST	0.000	10:07
EXTERNAL STANDARD	0.020	10:07
BLANK TEST	0.000	10:08

Average = 0.0200
 Std Dev = 0.0000



CKG 02/25/2022

LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100356

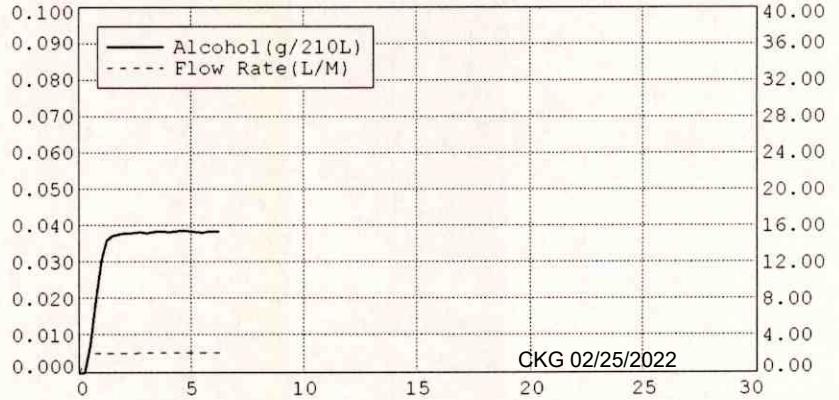
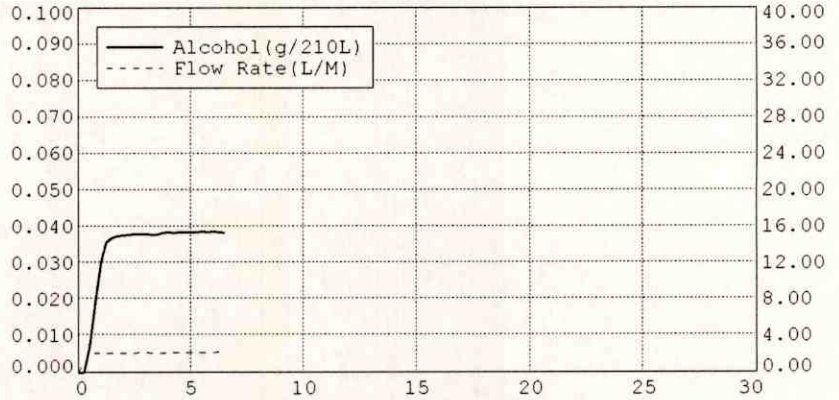
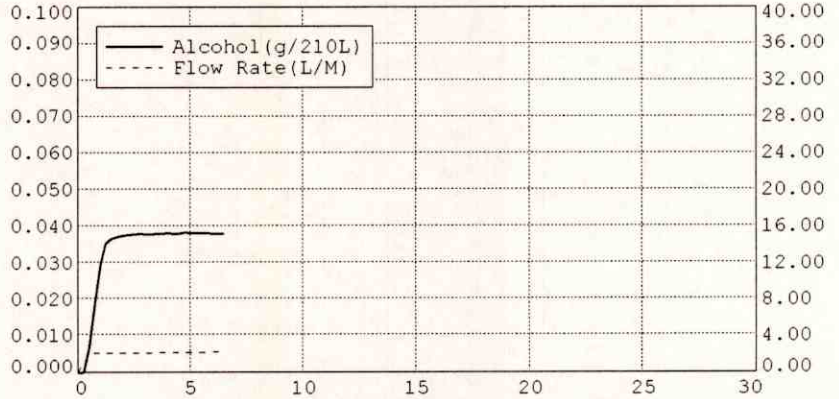
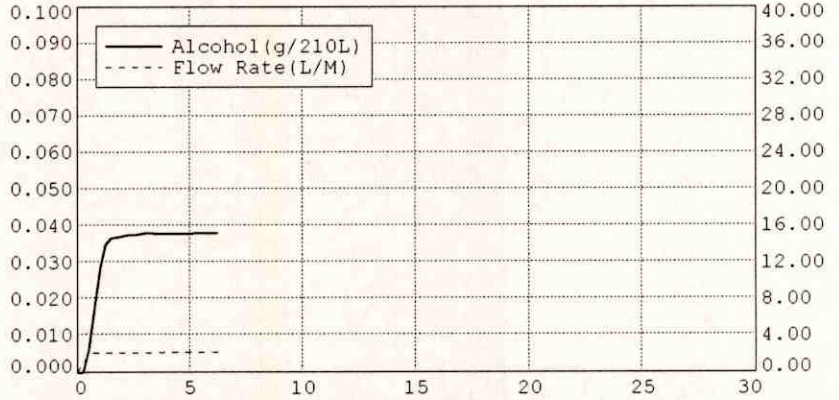
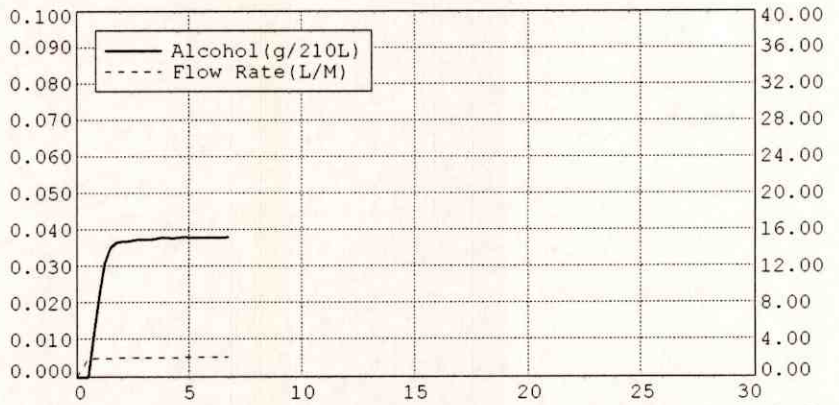
Date: 02/25/2022
Time: 10:10:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.27: 0.039
LOT #: AG111710
EXPIRATION: 04/27/2023
TANK PRESSURE: 431 psi

BLANK TEST	0.000	10:11
INTERNAL STANDARD	VERIFIED	10:12
EXTERNAL STANDARD	0.039	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.039	10:13
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.039	10:14
BLANK TEST	0.000	10:15
EXTERNAL STANDARD	0.039	10:15
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.040	10:16
BLANK TEST	0.000	10:17

Average = 0.0392
Std Dev = 0.0004



CKG 02/25/2022

LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100356

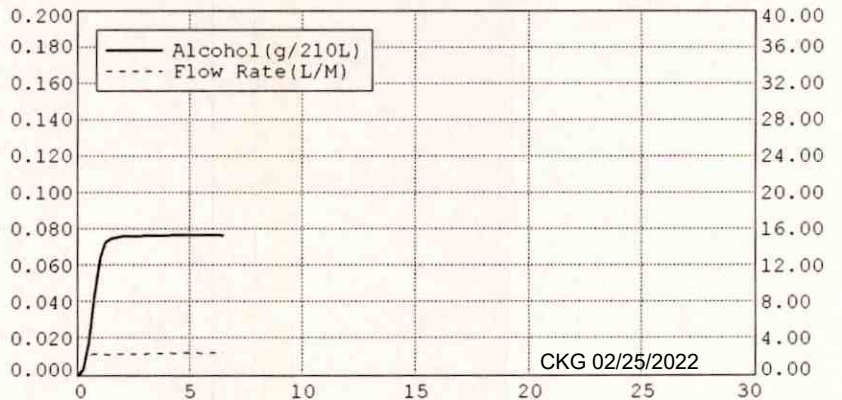
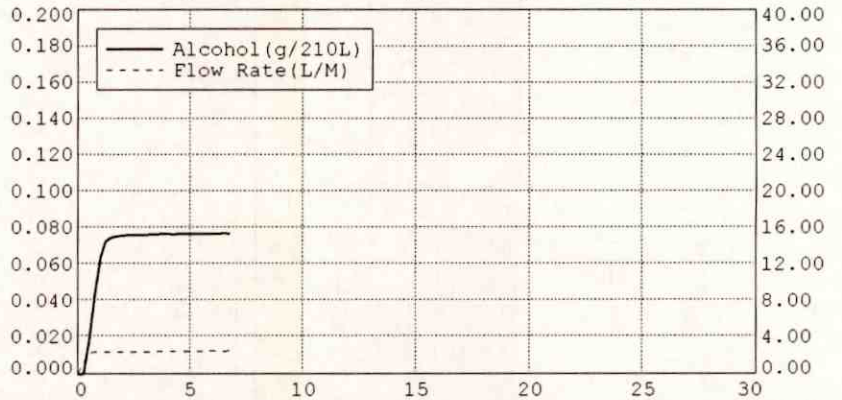
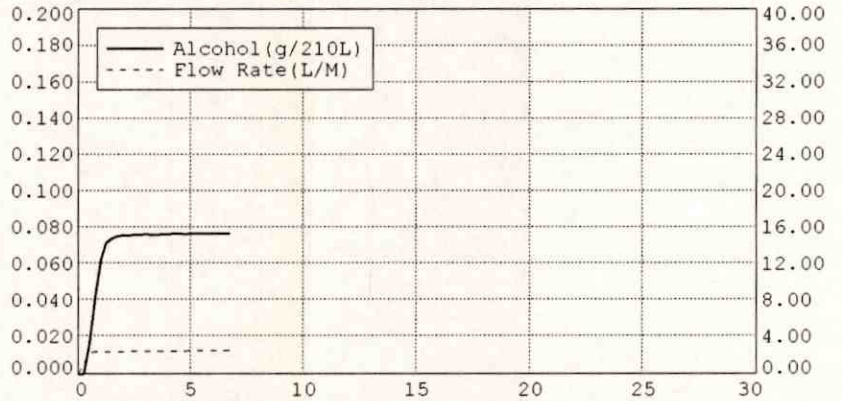
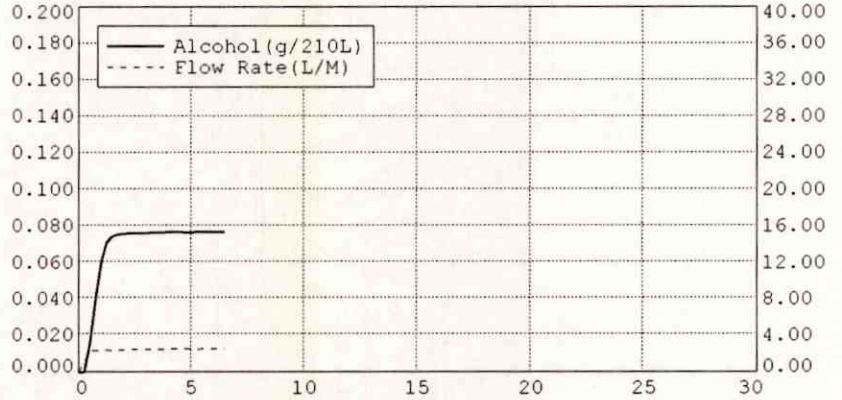
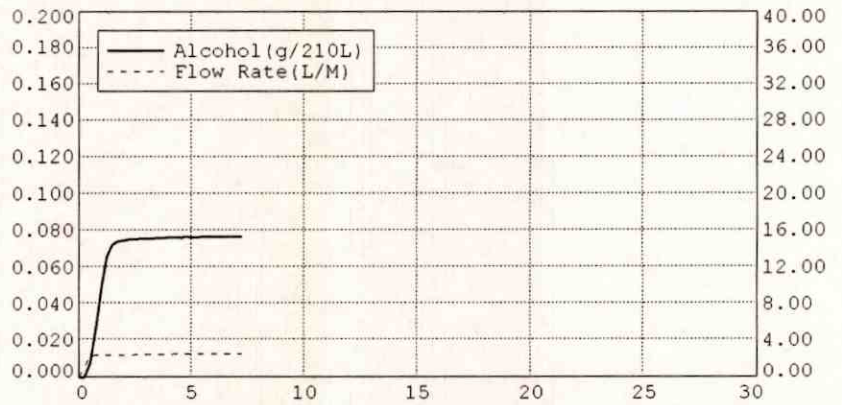
Date: 02/25/2022
Time: 10:18:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.27: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 834 psi

BLANK TEST	0.000	10:20
INTERNAL STANDARD	VERIFIED	10:20
EXTERNAL STANDARD	0.078	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.078	10:21
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.078	10:23
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.078	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.078	10:25
BLANK TEST	0.000	10:26

Average = 0.0780
Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dmt: 100356

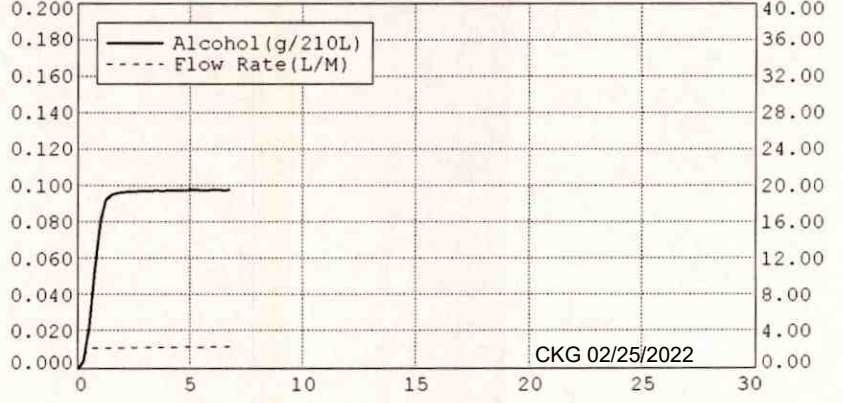
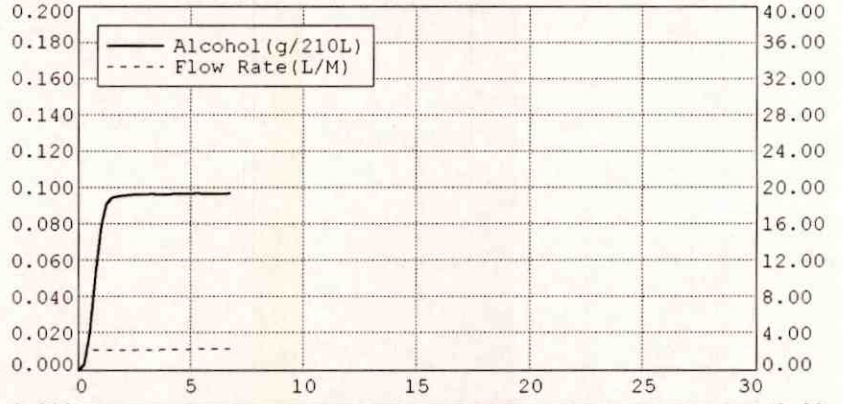
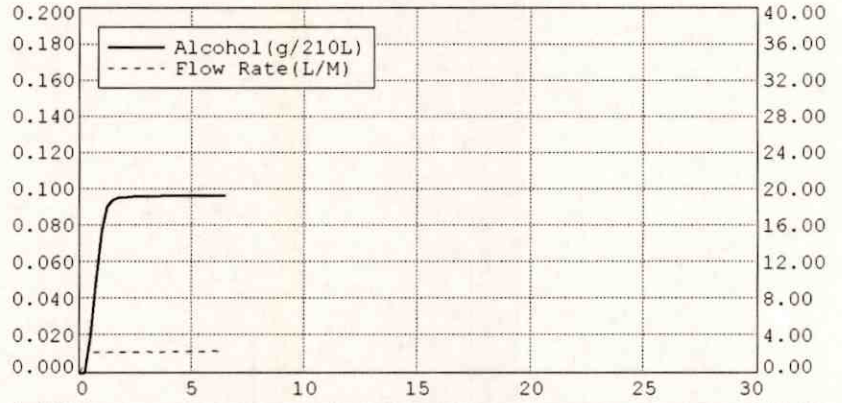
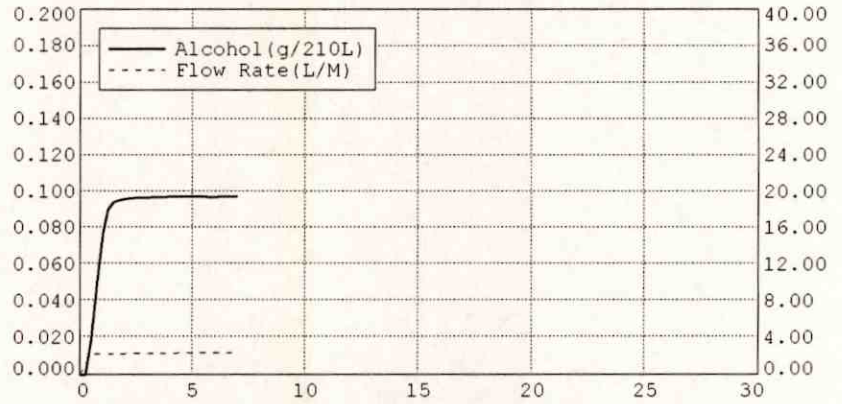
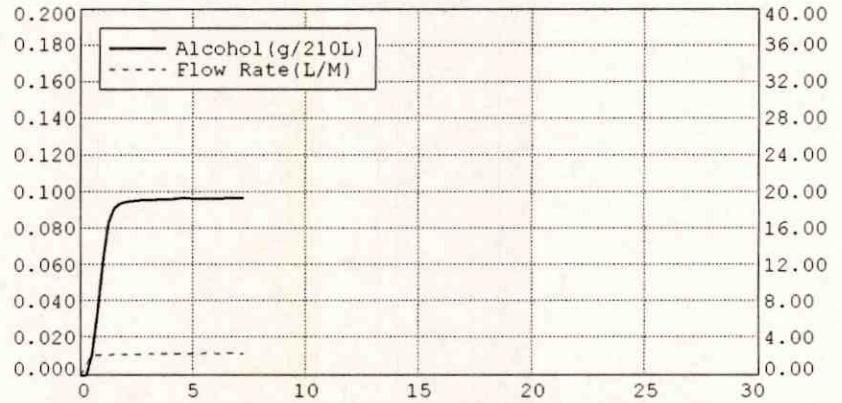
Date: 02/25/2022
 Time: 10:34:43

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.27: 0.098
 LOT #: AG108404
 EXPIRATION: 03/25/2023
 TANK PRESSURE: 658 psi

BLANK TEST	0.000	10:35
INTERNAL STANDARD	VERIFIED	10:35
EXTERNAL STANDARD	0.098	10:36
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.098	10:37
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.098	10:38
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.098	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.099	10:40
BLANK TEST	0.000	10:41

Average = 0.0982
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dmt: 100356

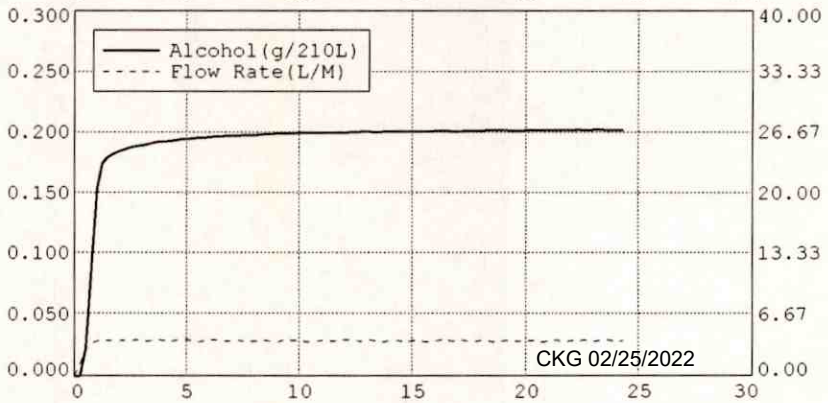
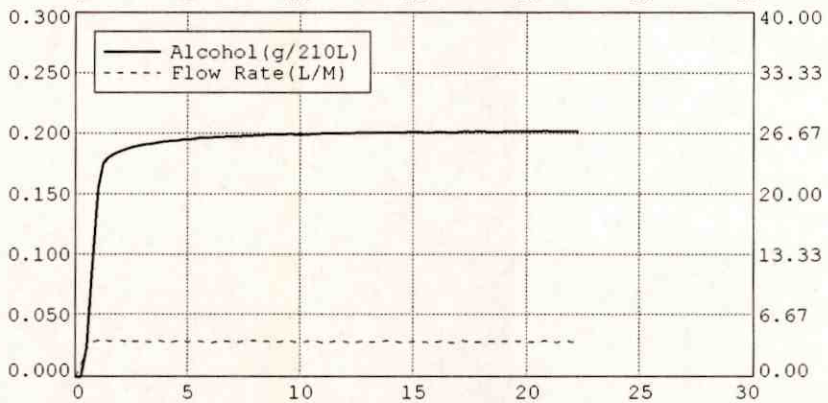
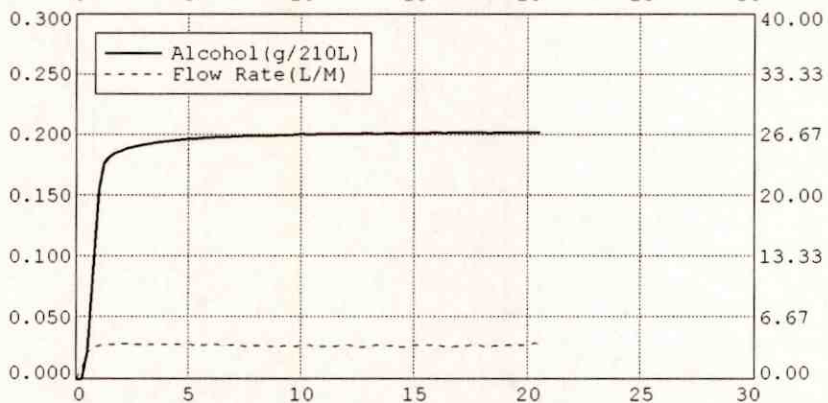
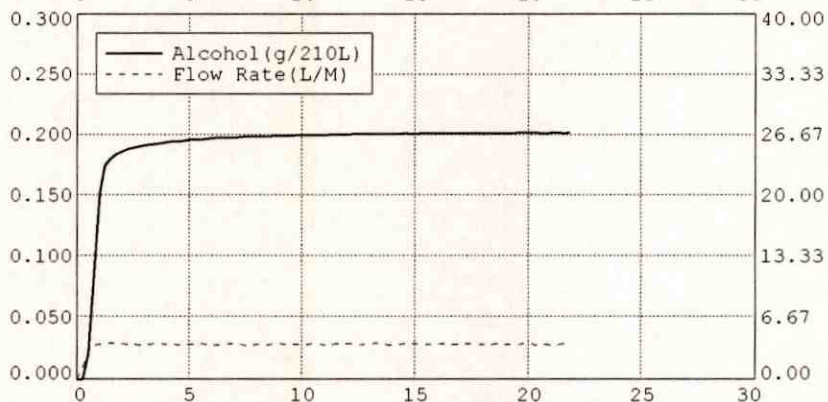
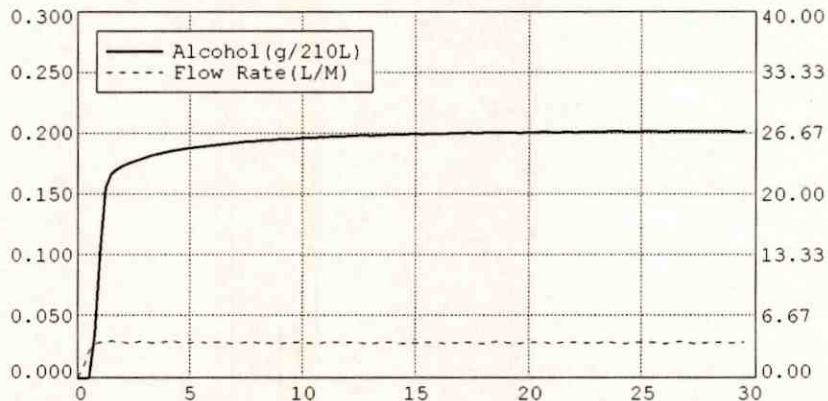
Date: 02/25/2022
 Time: 11:03:18

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 LOT #: 20510
 EXPIRATION: 12/03/2022

BLANK TEST	0.000	11:04
INTERNAL STANDARD	VERIFIED	11:04
EXTERNAL STANDARD	0.203	11:05
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.203	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.203	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.203	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.204	11:10
BLANK TEST	0.000	11:11

Average = 0.2032
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 6

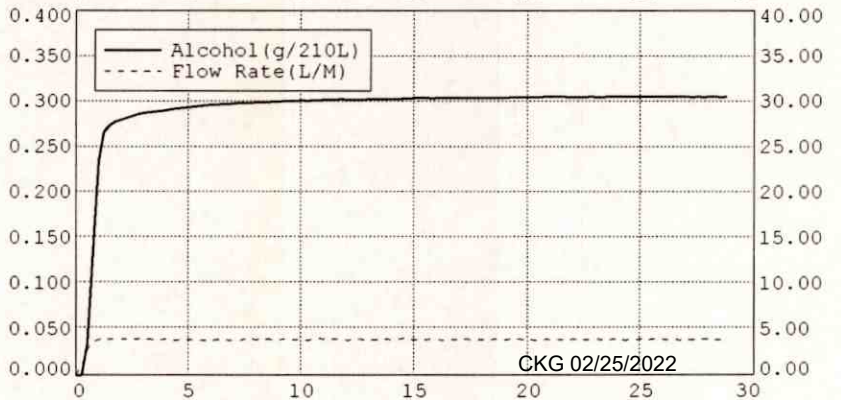
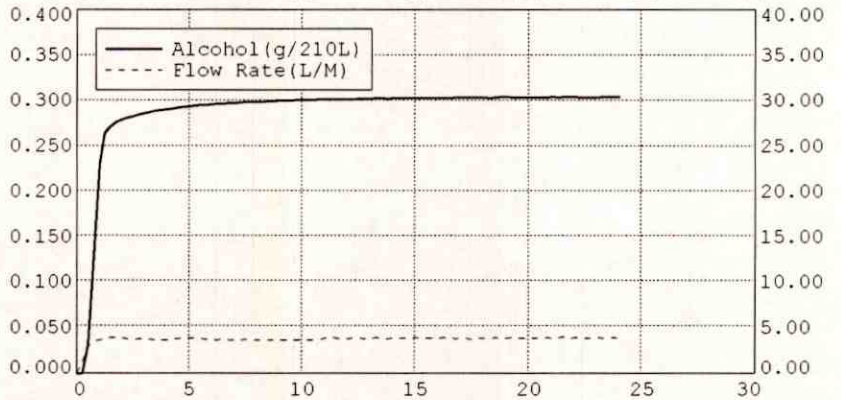
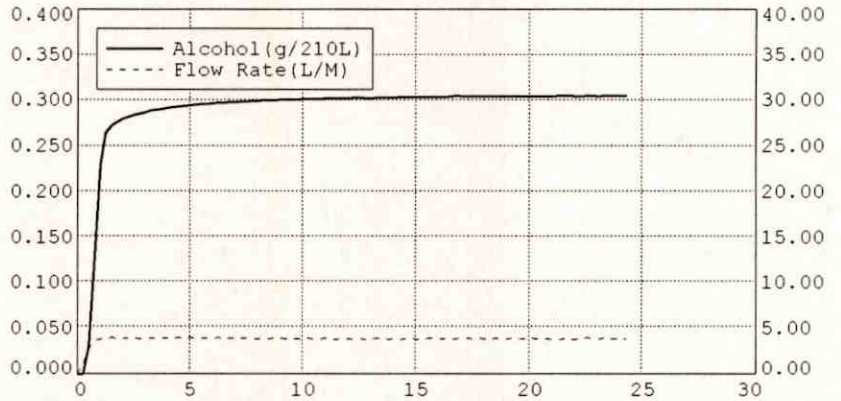
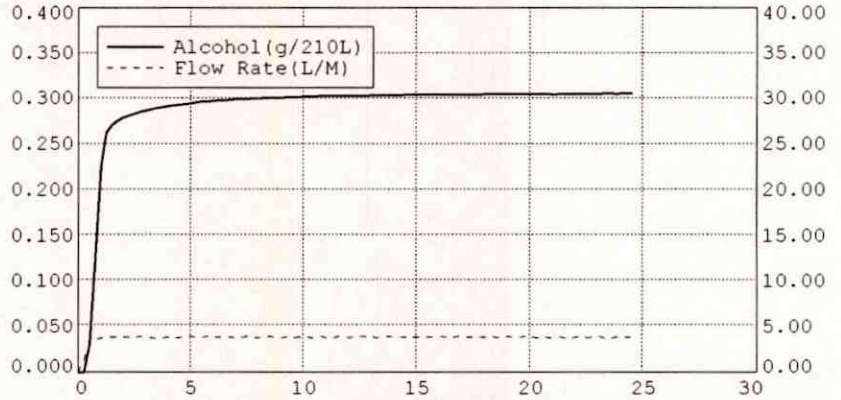
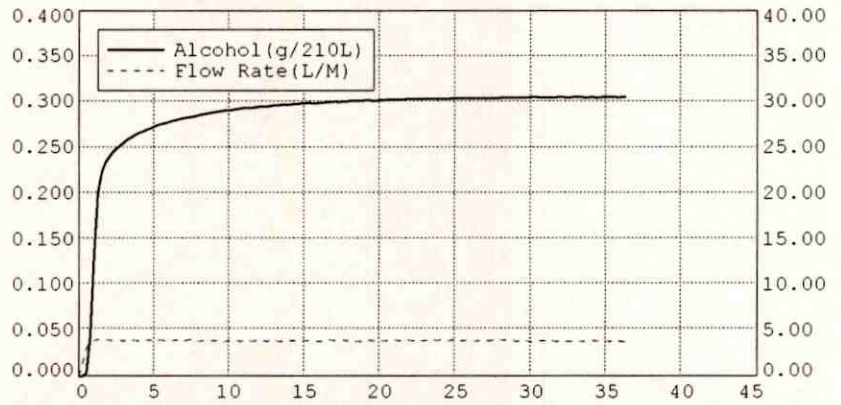
Alaska Department of Public Safety
 DATAMASTER dmt: 100356

Date: 02/25/2022
 Time: 11:14:42

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

BLANK TEST	0.000	11:15
INTERNAL STANDARD	VERIFIED	11:15
EXTERNAL STANDARD	0.306	11:16
BLANK TEST	0.000	11:17
EXTERNAL STANDARD	0.306	11:18
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.306	11:19
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.305	11:20
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.307	11:22
BLANK TEST	0.000	11:23

Average = 0.3060
 Std Dev = 0.0007



CKG 02/25/2022

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 11:29:54

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

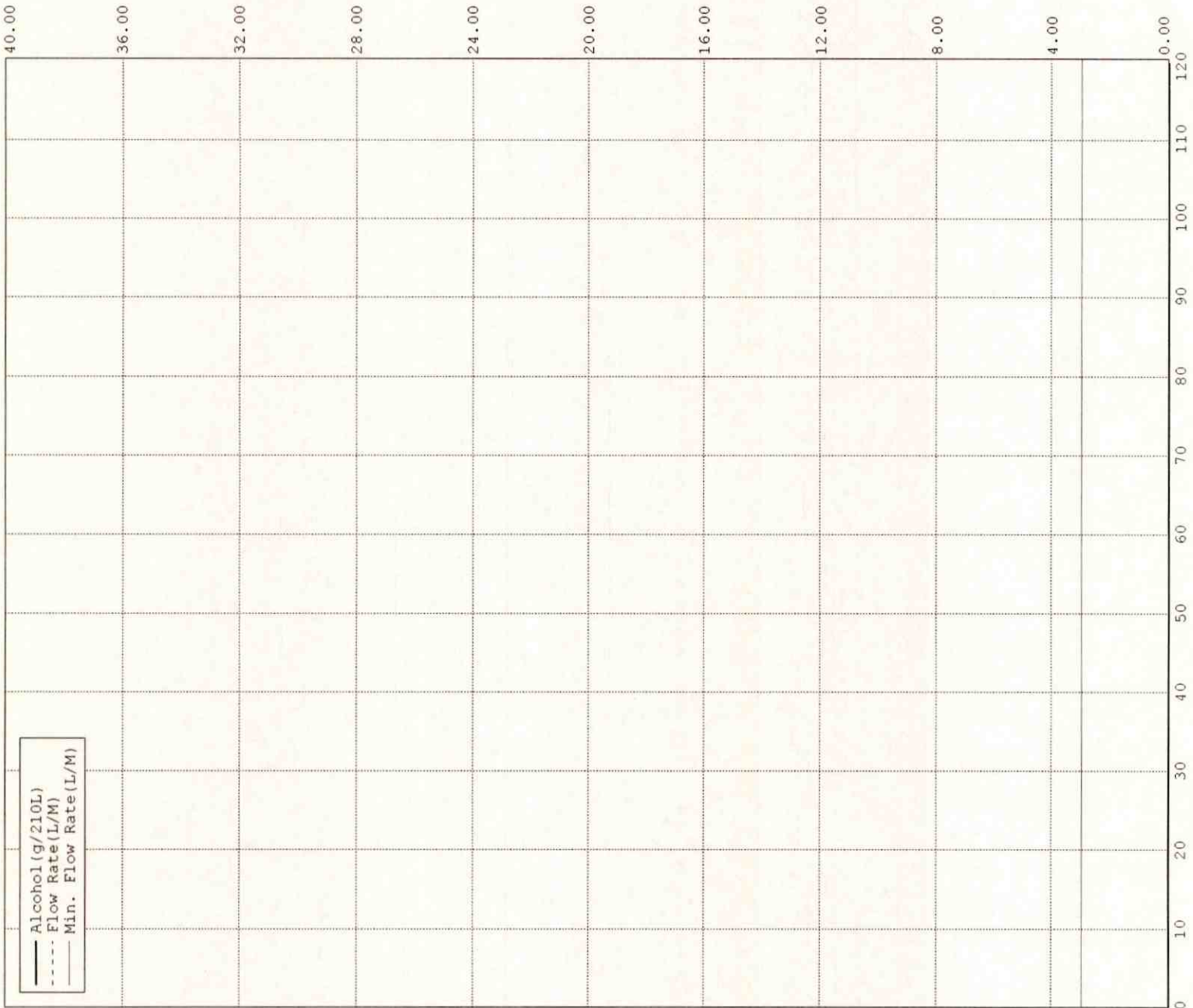
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.27: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK PASSED 11:31
BLANK TEST 0.000 11:31
INTERNAL STANDARD VERIFIED 11:31
EXTERNAL STANDARD 0.077 11:32
BLANK TEST 0.000 11:32
SUBJECT SAMPLE INCOMPLETE 11:35

CKG 02/25/2022

CKG



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 11:37:51

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

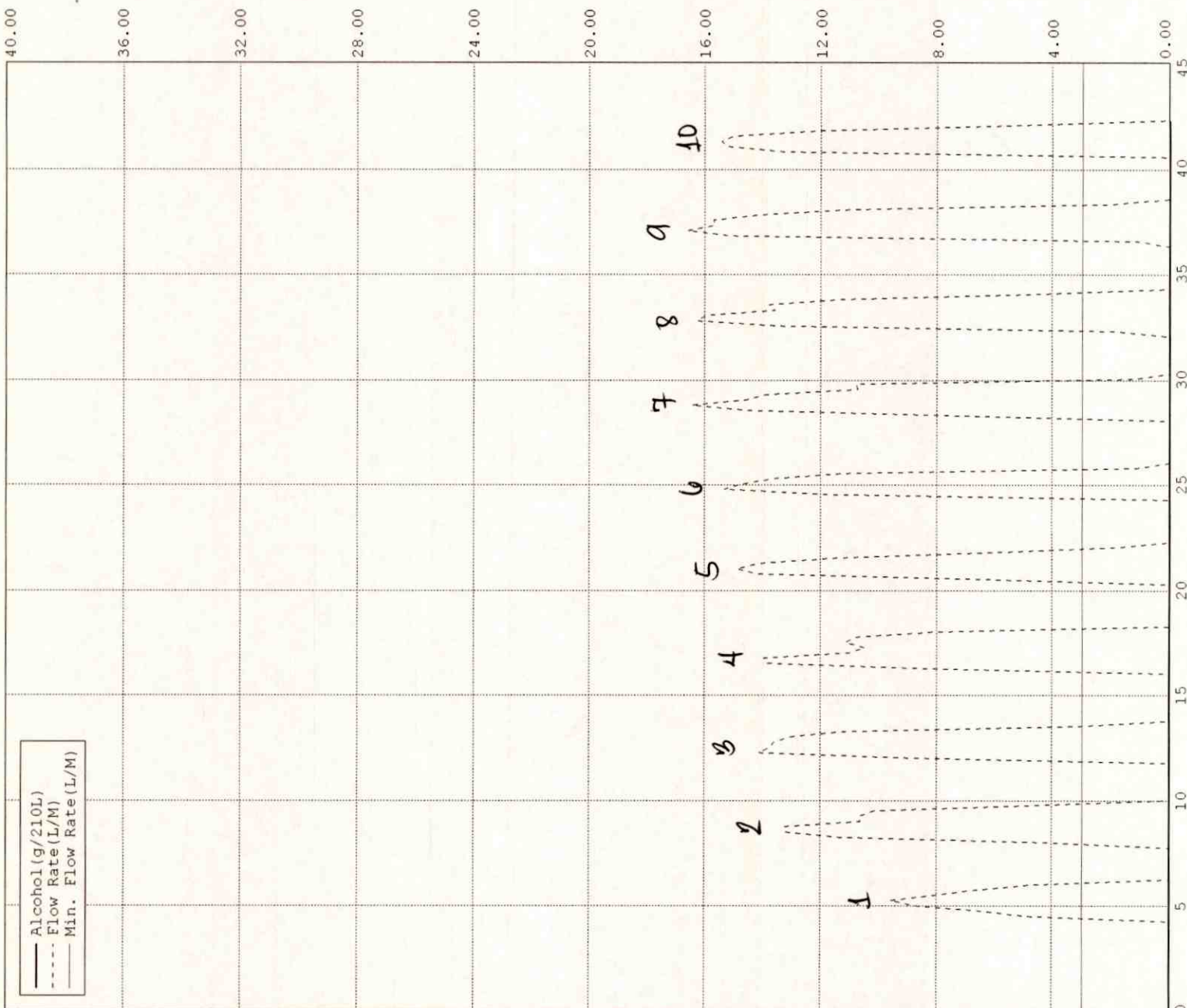
DEPT/AGENCY:
MAXIMUM ATTEMPTS EXCEEDED
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.26: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK PASSED 11:38
BLANK TEST 0.000 11:39
INTERNAL STANDARD VERIFIED 11:39
EXTERNAL STANDARD 0.078 11:39
BLANK TEST 0.000 11:40
SUBJECT SAMPLE XXX 11:41

Maximum Attempts Exceeded

CKGT



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 12:57:12

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

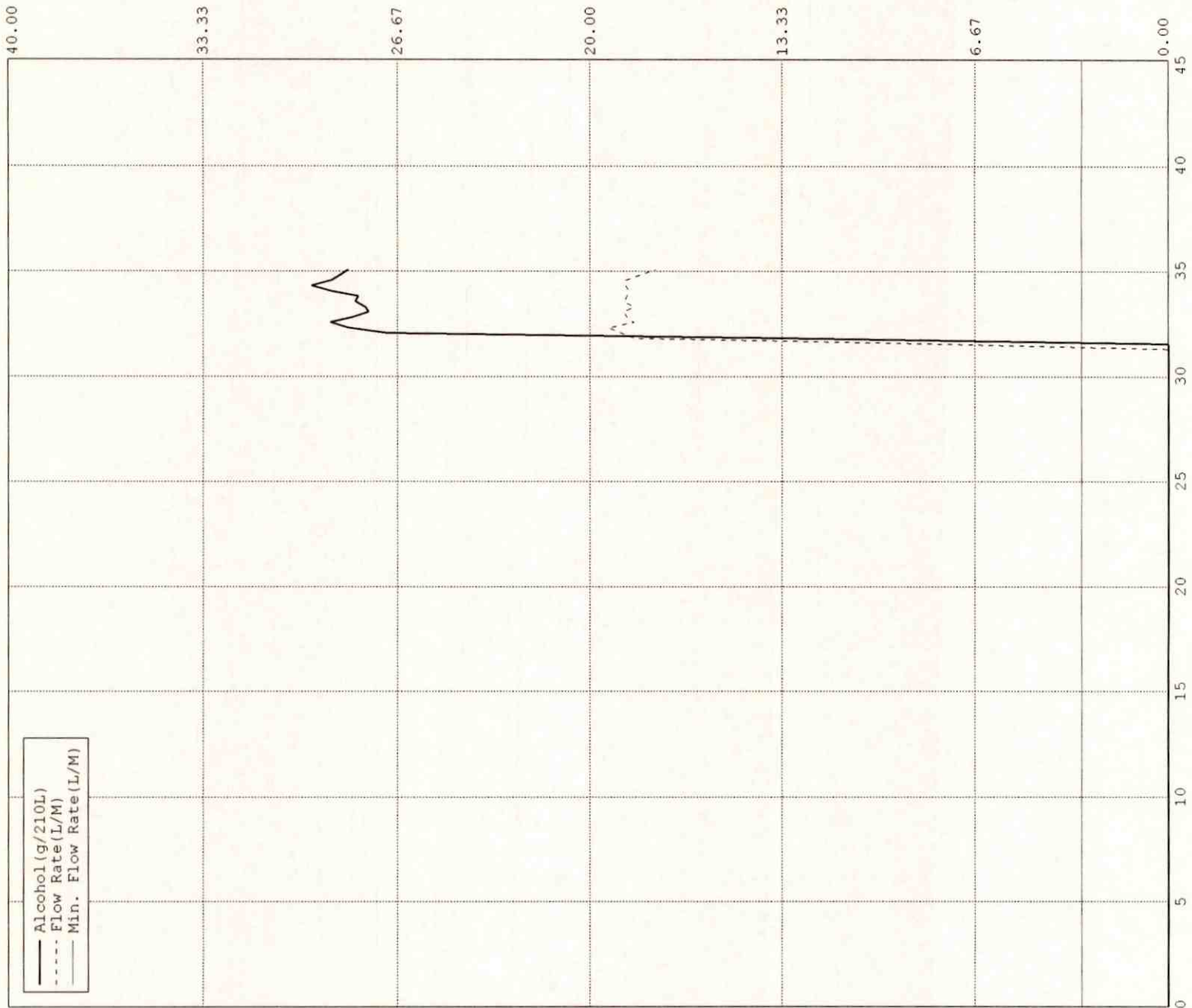
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.26: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK
BLANK TEST PASSED 12:58
INTERNAL STANDARD VERIFIED 12:58
EXTERNAL STANDARD 0.078 12:58
BLANK TEST 0.000 12:59
SUBJECT SAMPLE INVALID 13:00

CKG

CKG 02/25/2022



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100356

Date: 02/25/2022

Time: 13:03:29

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 29.25: 0.078

LOT #: AG018102

EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK

BLANK TEST

INTERNAL STANDARD

EXTERNAL STANDARD

BLANK TEST

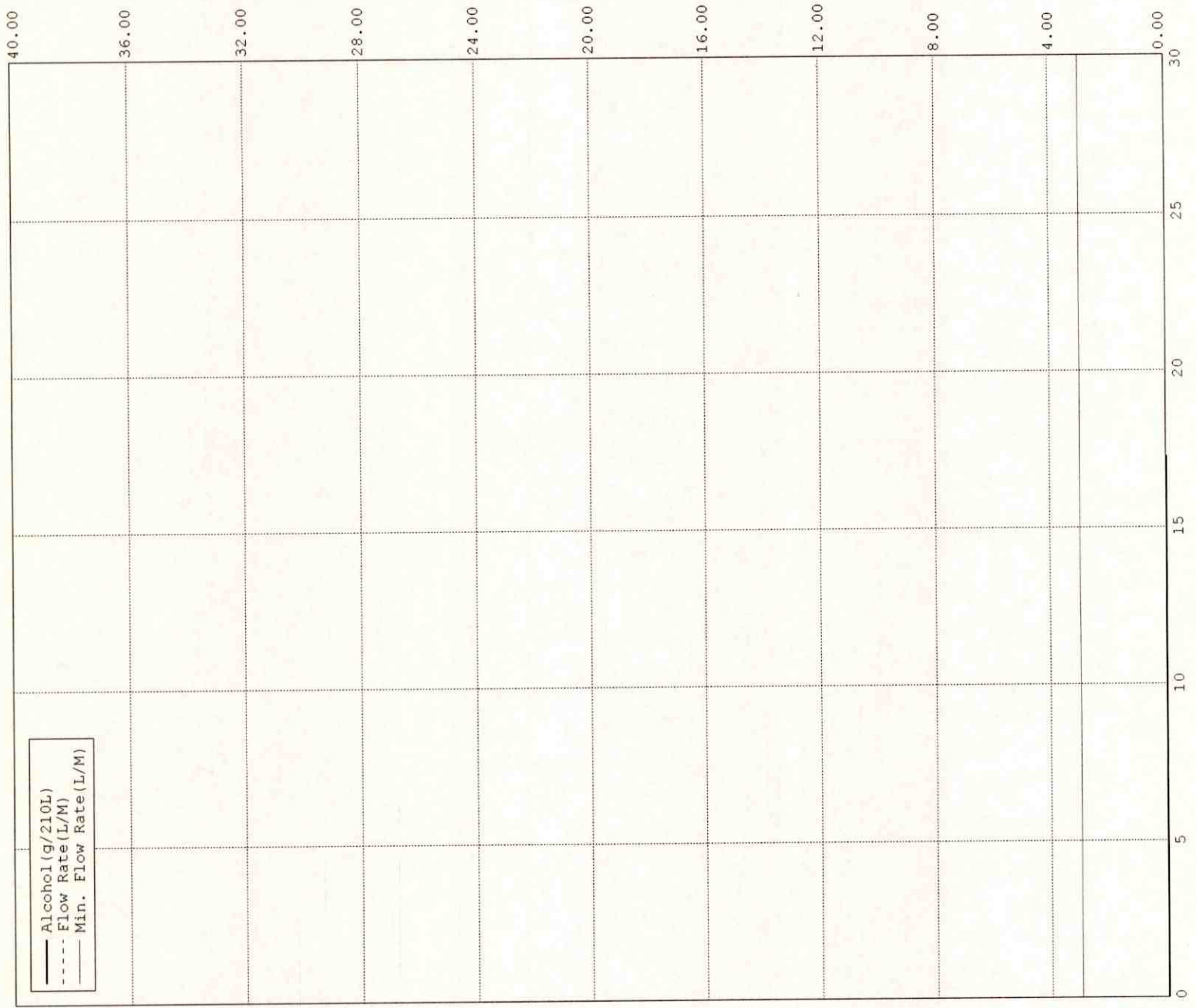
PASSED 13:04
0.000 13:04
VERIFIED 13:04
0.077 13:05
0.000 13:05

RFI DETECTED

CKG 02/25/2022

CKG

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



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 13:26:13

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 29.23: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

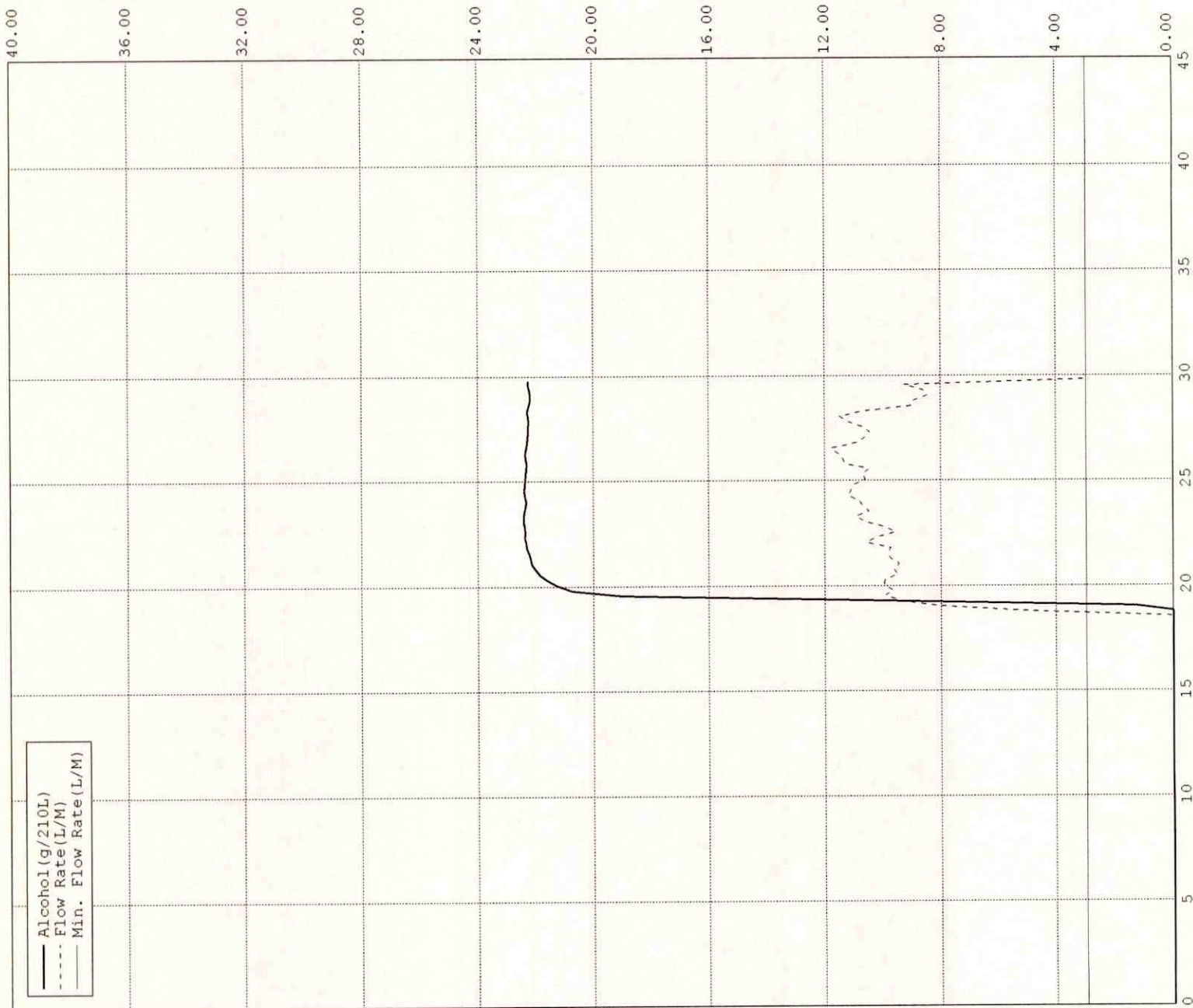
DIAGNOSTIC CHECK PASSED 13:27
BLANK TEST 0.000 13:27
INTERNAL STANDARD VERIFIED 13:27
Xg = 0.104 (2.15%)
EXTERNAL STANDARD 0.077 13:28
X[1] = 0.0773 (0.0010) (0.0019)
BLANK TEST 0.000 13:28
SUBJECT SAMPLE XXX 13:29
X[1] = 0.1122 (-0.0202) (0.0013)

Interference Detected

Filter 2 Average: 0.0012
Filter 3 Average: 0.0018
OUG-2/25/2022

CKG

CKG 02/25/2022



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 13:12:53

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

DEPT/AGENCY:
INTERFERENCE ISOPROPANOL
CASE/REPORT: XXXX
TEST TYPE: TEST

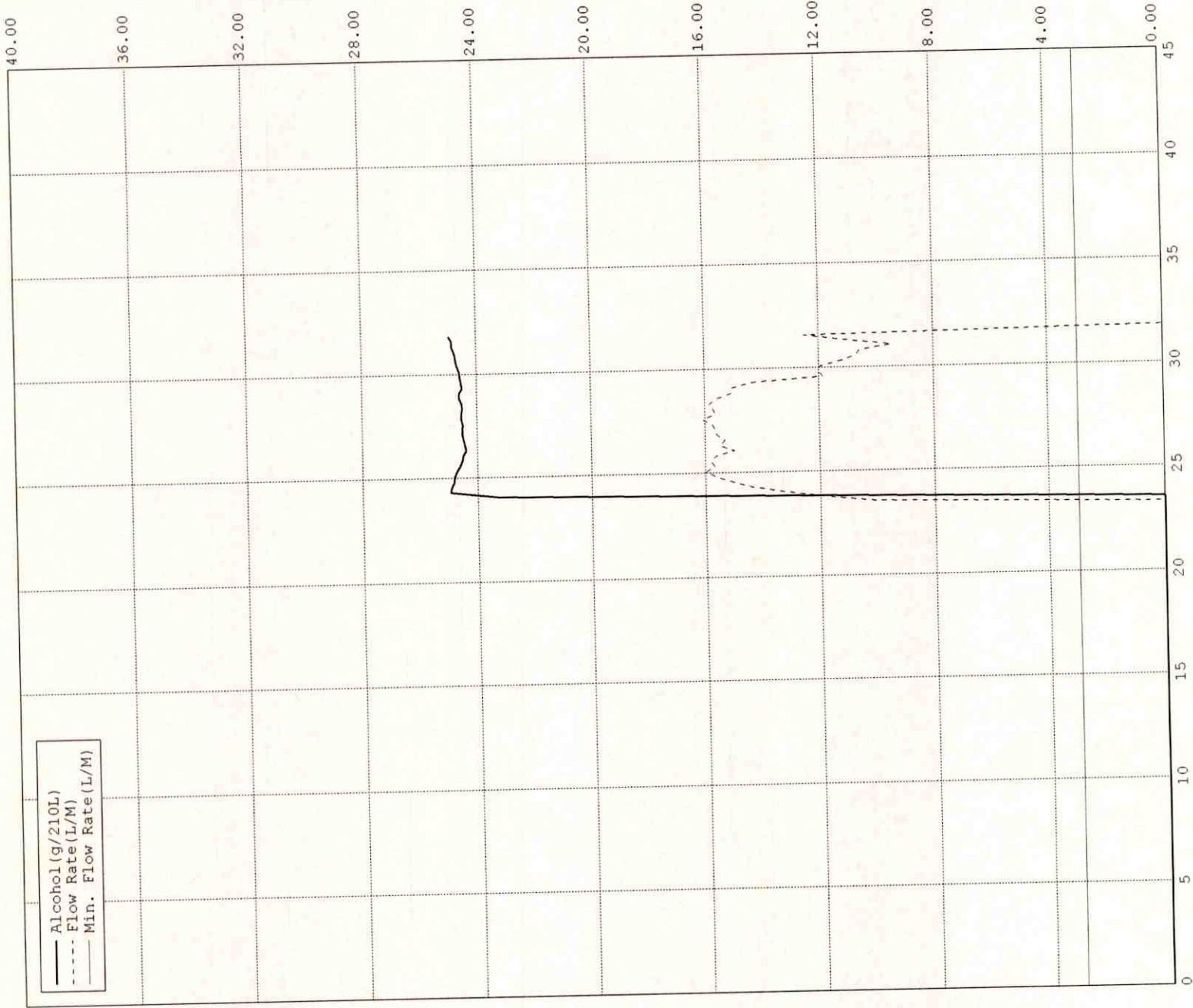
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.25: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK PASSED 13:14
BLANK TEST 0.000 13:14
INTERNAL STANDARD VERIFIED 13:14
Xq = 0.103 (2.65%)
EXTERNAL STANDARD 0.077 13:14
X[1] = 0.0772 (0.0010) (0.0021)
BLANK TEST 0.000 13:15
SUBJECT SAMPLE XXX 13:16
X[1] = 0.1257 (-0.0316) (0.0017)

Interference Detected

CKG

CKG 02/25/2022



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 13:18:59

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

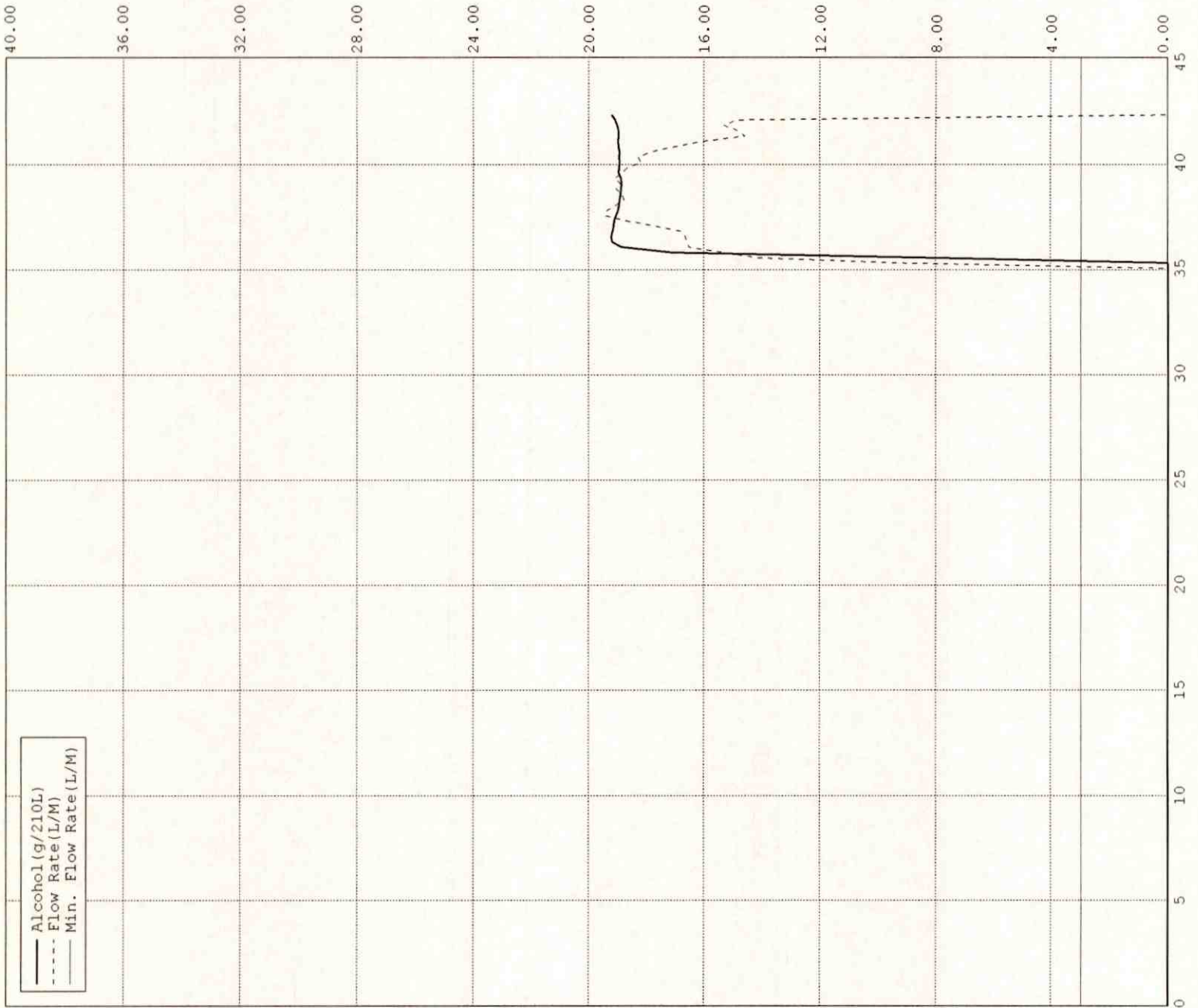
DEPT/AGENCY:
INTERFERENCE NEGATIVE CONTROL
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.25: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	13:19
BLANK TEST	0.000	13:20
INTERNAL STANDARD	VERIFIED	13:20
Xg = 0.105 (1.32%)		
EXTERNAL STANDARD	0.078	13:20
X[1] = 0.0778 (0.0015) (0.0019)		
BLANK TEST	0.000	13:21
SUBJECT SAMPLE (Vol=2.00L)	0.095	13:22
X[1] = 0.0957 (-0.0019) (0.0002)		
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.077	13:23
X[1] = 0.0772 (0.0012) (0.0011)		
BLANK TEST	0.000	13:24

CKG

CKG 02/25/2022



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/25/2022
Time: 13:56:08

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 29.22: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	13:57
BLANK TEST	0.000	13:57
INTERNAL STANDARD	VERIFIED	13:57
EXTERNAL STANDARD	0.078	13:57
BLANK TEST	0.000	13:58
SUBJECT SAMPLE (Vol=1.61L)	0.000	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.078	14:00
BLANK TEST	0.000	14:01

CKG

CKG 02/25/2022

