

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Effective: 11/10/2021

Supervising Analyst: Carlie Glaister

Version: 2.0

Instrument #: 100086 Analyst: Tatiana Malnoske Start Date: July 20, 2022

- Diagnostic Test (attached)
 Internal Standard value \leq 3.00%
- Adjust voltages, if needed
- Lamp (2.6V Maximum)
 - Bias
 - Cooler (2.0V Maximum)
 - 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 1.6 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: At113402 Exp: 05/14/2023

0.100g/210L Mnf: Airgas Lot: At108404 Exp: 03/25/2023

0.200g/210L Mnf: tuth Lot: 20510 Exp: 12/03/2022

Simulator S/N: DK4177 Date Calibrated: 11/30/2021

0.300g/210L Mnf: tuth Lot: 21030 Exp: 02/02/2023

Simulator S/N: DD1176 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: DK4176 Date Calibrated: 11/30/2021
- Neg. Control Mnf: Lifeloc Lot: 21DP41158 Level: 0.100 Exp: 04/29/2023
- Simulator S/N: DK4162 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: July 20, 2022

DIAGNOSTIC RECORD

Supervised by Carlie Glaister CKG 07/21/2022

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 07:43:34

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 44.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.70 V PASSED
(1.04 V - 2.42 V)
Cooler Voltage = 1.62 V PASSED
(0.98 V - 2.30 V)
Bias Voltage = 79 V PASSED
(48 V - 112 V)
Chopper Freq = 527 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.610 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 = 0.094 1.03% (0.00% - 4.00%) PASSED

Technician Screen

Supervised by Carlie Glaister CKG 07/21/2022

DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 8:09 AM

Temperatures (°C)

Sample Cell: 48.8°C
Breath Tube: 44.0°C

Current Barometer 29.7 in
Volume (Ltr) 1.48

Settings

Lamp: 1.73 V
Bias: 79 V
Cooler: 1.64 V
Chopper: 527 Hz

Voltages (V)

Flow: 1.06 V
Detector: 0.073 V

CALIBRATION FACTORS

Supervised by Carlie Glaister CKG 07/21/2022

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 12/16/2019
Time: 10:44:41

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca = 0.1000
CAL = 0.964014 0.800 <= CAL < 1.200
b1 = 0.0001 0.0000 <= b1 < 0.0040
b2 = 0.0049 0.0010 <= b2 < 0.0100
b3 = 0.0006 0.0000 <= b3 < 0.0040
Xq = 0.0934 0.0500 <= Xq < 0.2000
a21 = 1.174809 1.050 <= a21 < 1.300
a31 = 0.400764 0.300 <= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 08:22:44

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

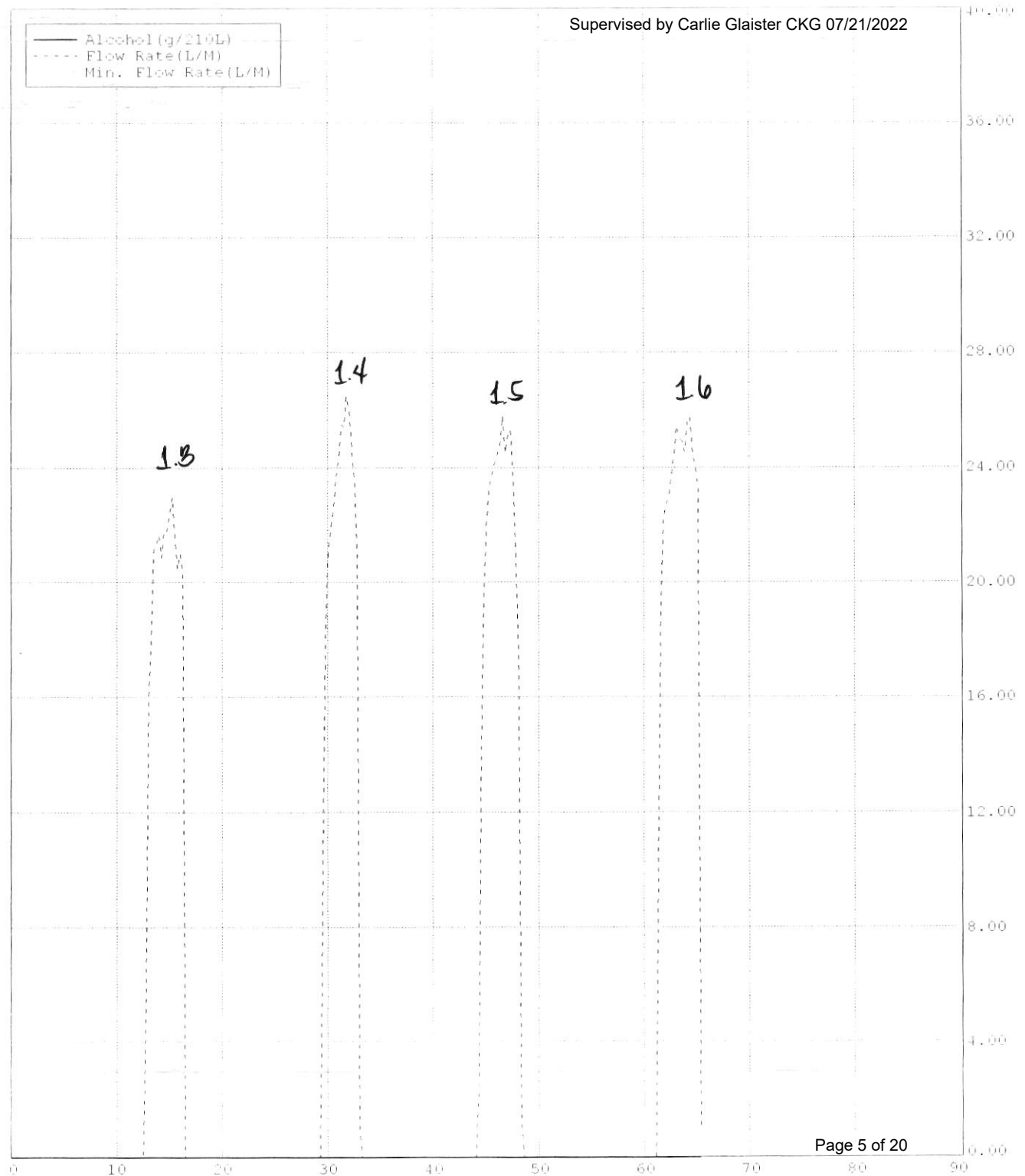
OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.65: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	08:23
BLANK TEST	0.000	08:23
INTERNAL STANDARD	VERIFIED	08:24
EXTERNAL STANDARD	0.077	08:24
BLANK TEST	0.000	08:25
SUBJECT SAMPLE (Vol=1.54L)	0.000	08:26
BLANK TEST	0.000	08:27
EXTERNAL STANDARD	0.077	08:27
BLANK TEST	0.000	08:28

TLM



LINEARITY CHECK

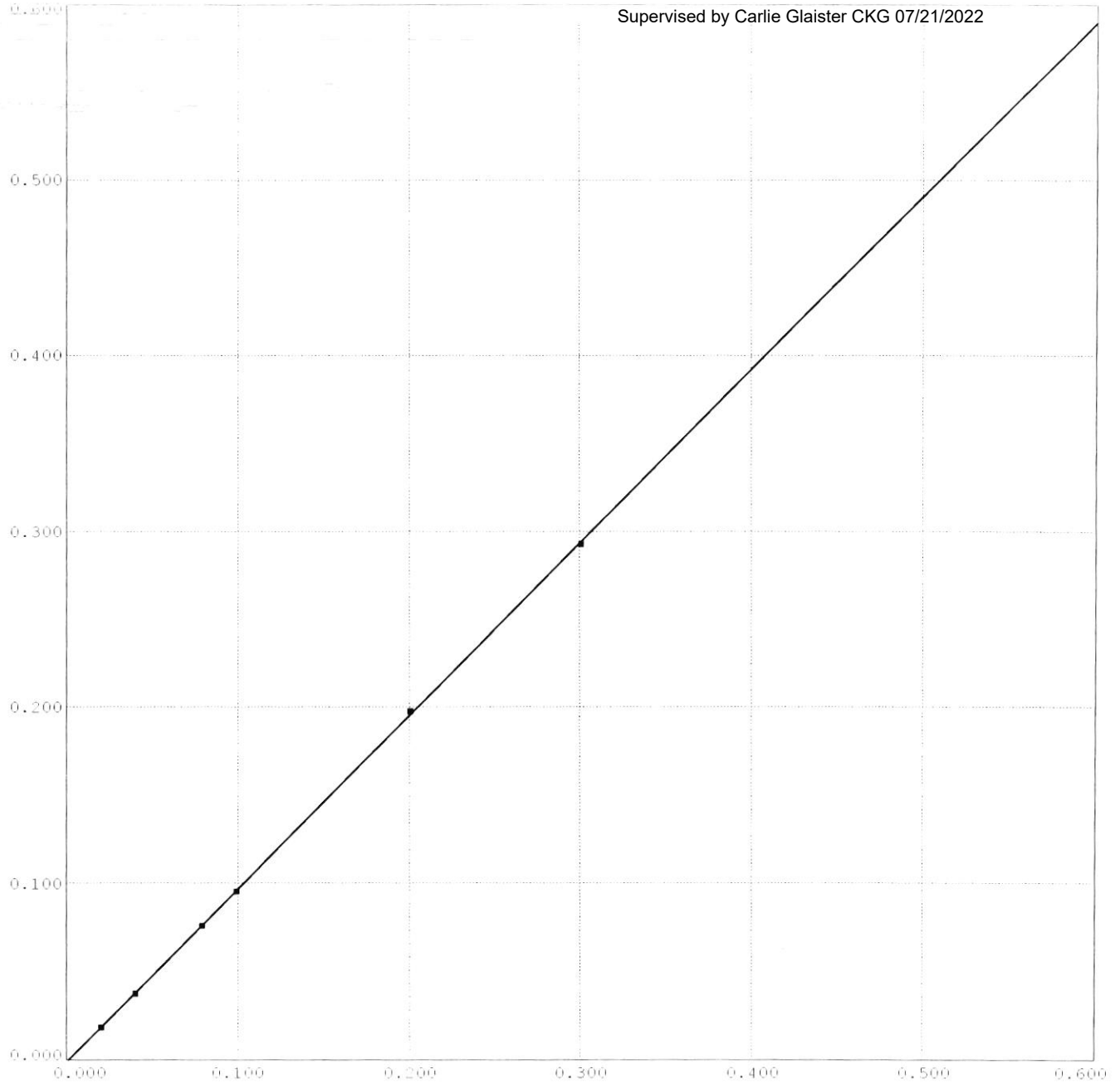
Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 08:32:04

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

TARGET	AVERAGE	STD. DEV.
0.020	0.0190	0.0000
0.040	0.0382	0.0004
0.079	0.0768	0.0004
0.099	0.0962	0.0004
0.200	0.1982	0.0004
0.300	0.2936	0.0005

SLOPE = 0.985070
R² = 0.999898



TEM

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100686

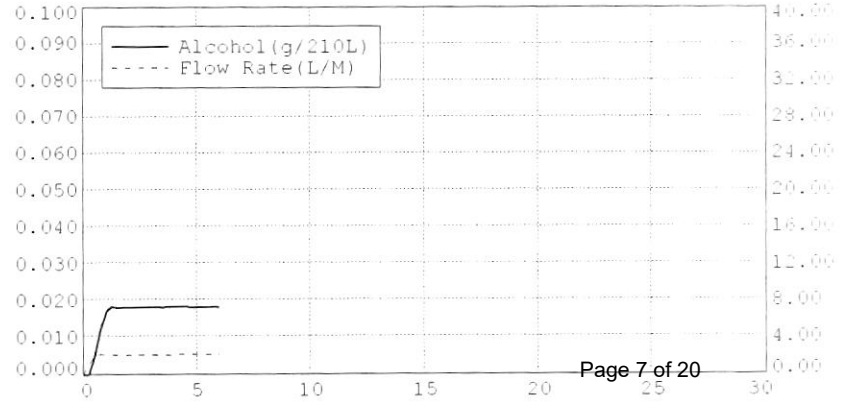
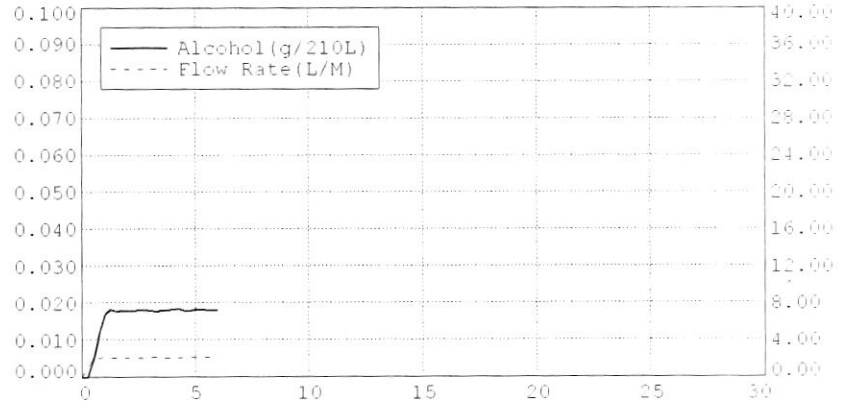
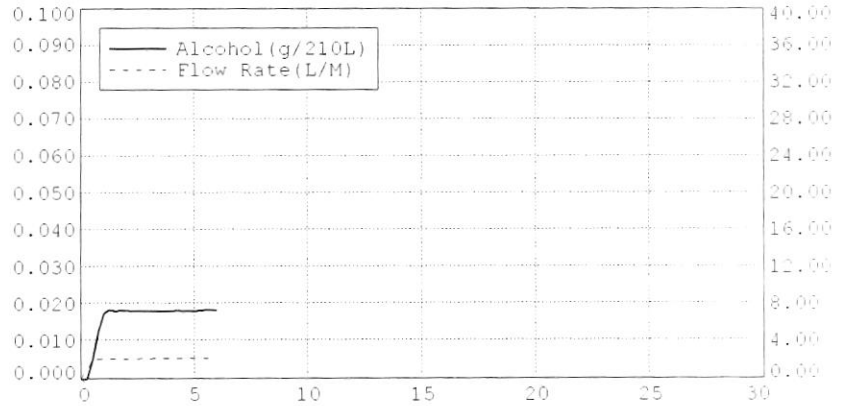
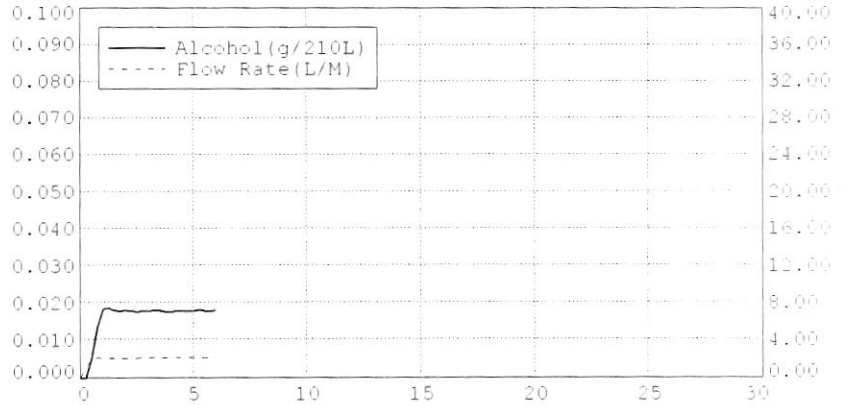
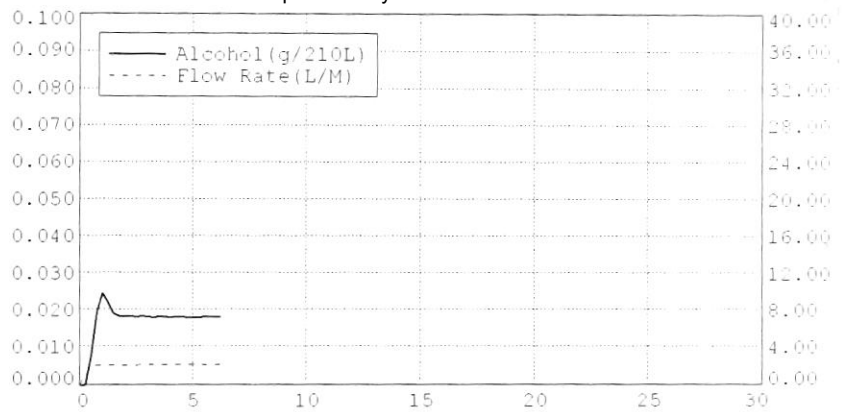
Date: 07/20/2022
 Time: 08:32:06

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.66: 0.020
 LOT #: AG100401
 EXPIRATION: 01/04/2023
 TANK PRESSURE: 614 psi

BLANK TEST	0.000	08:34
INTERNAL STANDARD	VERIFIED	08:34
EXTERNAL STANDARD	0.019	08:34
BLANK TEST	0.000	08:35
EXTERNAL STANDARD	0.019	08:35
BLANK TEST	0.000	08:36
EXTERNAL STANDARD	0.019	08:36
BLANK TEST	0.000	08:37
EXTERNAL STANDARD	0.019	08:38
BLANK TEST	0.000	08:38
EXTERNAL STANDARD	0.019	08:39
BLANK TEST	0.000	08:40

Average = 0.0190
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100686

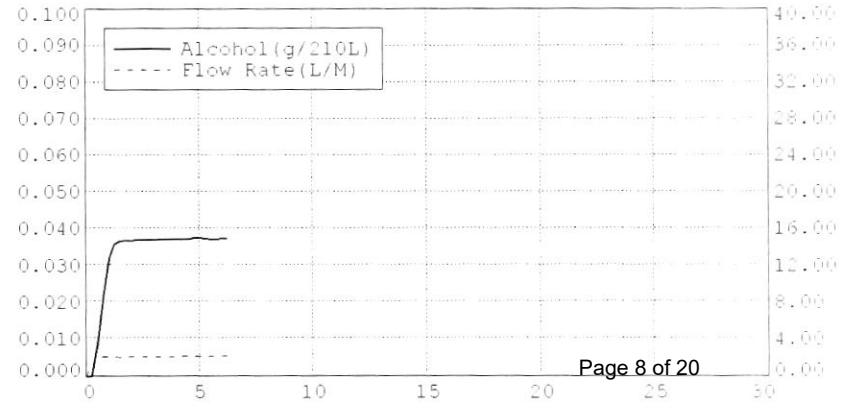
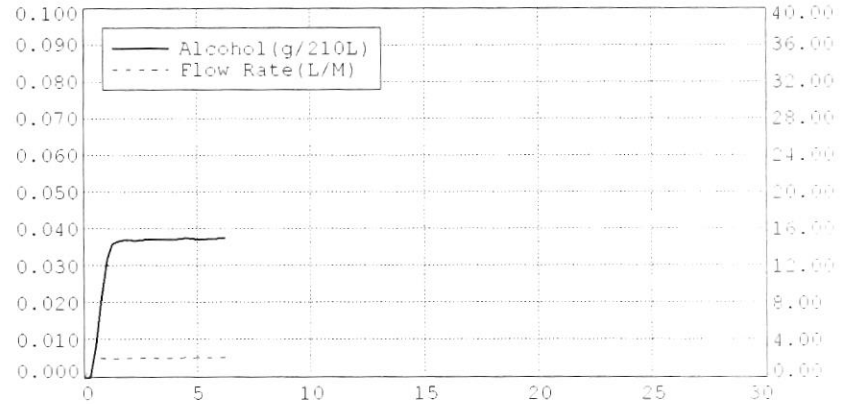
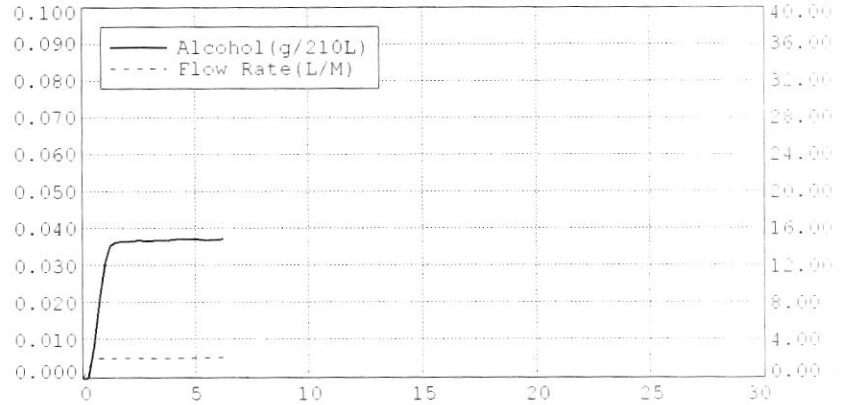
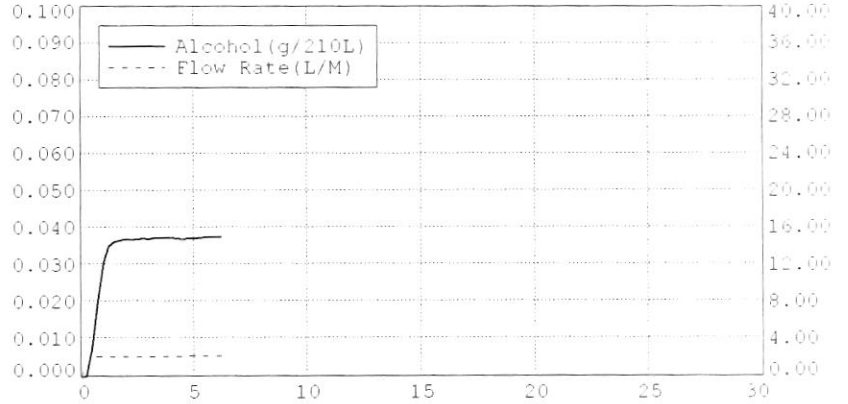
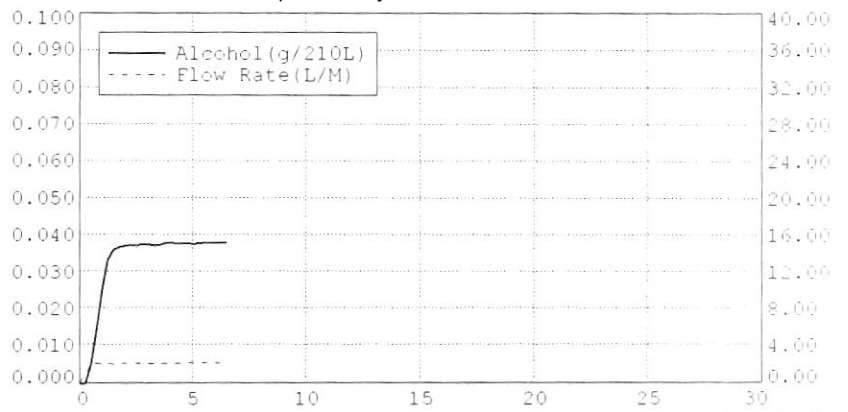
Date: 07/20/2022
 Time: 08:40:47

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.66: 0.040
 LOT #: AG111710
 EXPIRATION: 04/27/2023
 TANK PRESSURE: 533 psi

BLANK TEST	0.000	08:42
INTERNAL STANDARD	VERIFIED	08:42
EXTERNAL STANDARD	0.039	08:42
BLANK TEST	0.000	08:43
EXTERNAL STANDARD	0.038	08:43
BLANK TEST	0.000	08:44
EXTERNAL STANDARD	0.038	08:44
BLANK TEST	0.000	08:45
EXTERNAL STANDARD	0.038	08:45
BLANK TEST	0.000	08:46
EXTERNAL STANDARD	0.038	08:46
BLANK TEST	0.000	08:47

Average = 0.0382
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100686

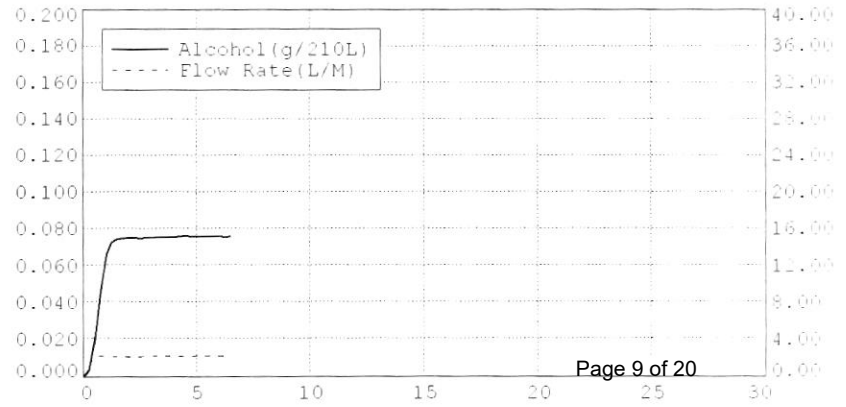
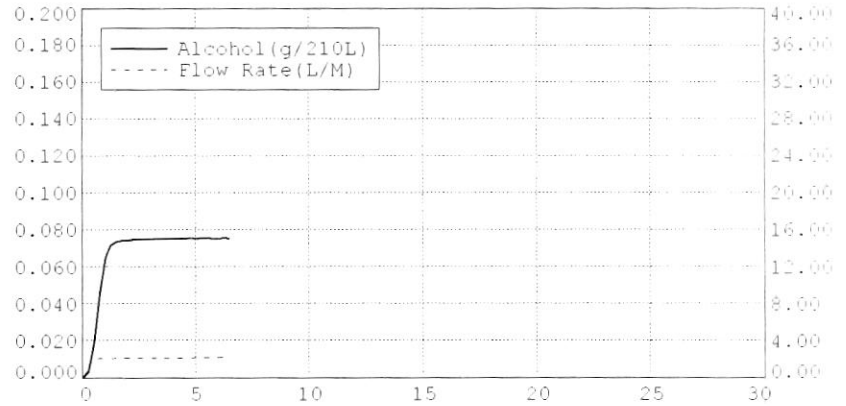
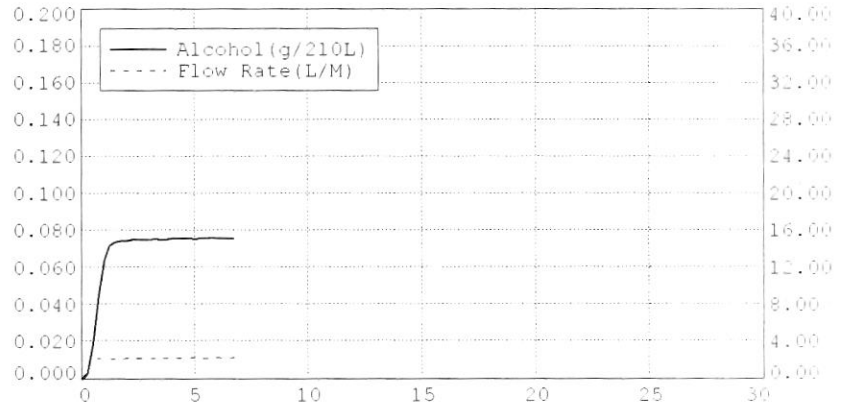
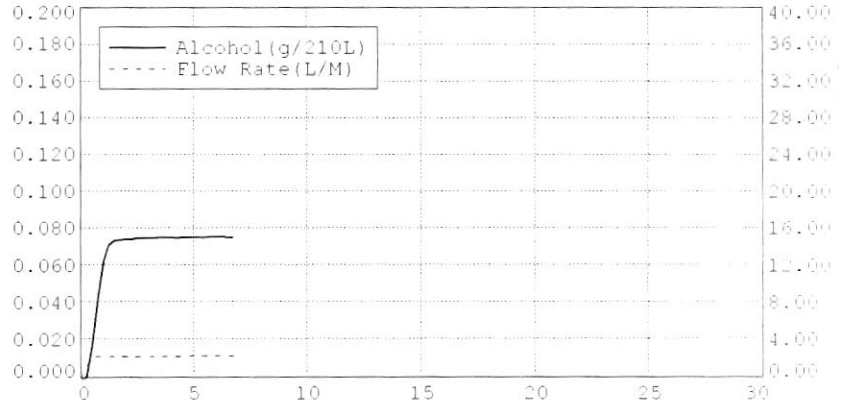
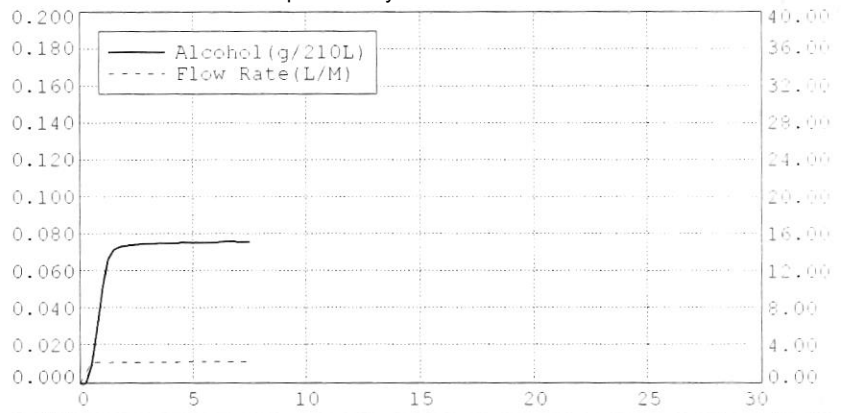
Date: 07/20/2022
 Time: 08:48:13

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.66: 0.079
 LOT #: AG113402
 EXPIRATION: 05/14/2023
 TANK PRESSURE: 1148 psi

BLANK TEST	0.000	08:49
INTERNAL STANDARD	VERIFIED	08:49
EXTERNAL STANDARD	0.077	08:50
BLANK TEST	0.000	08:51
EXTERNAL STANDARD	0.076	08:51
BLANK TEST	0.000	08:52
EXTERNAL STANDARD	0.077	08:52
BLANK TEST	0.000	08:53
EXTERNAL STANDARD	0.077	08:53
BLANK TEST	0.000	08:54
EXTERNAL STANDARD	0.077	08:54
BLANK TEST	0.000	08:55

Average = 0.0768
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dmt: 100686

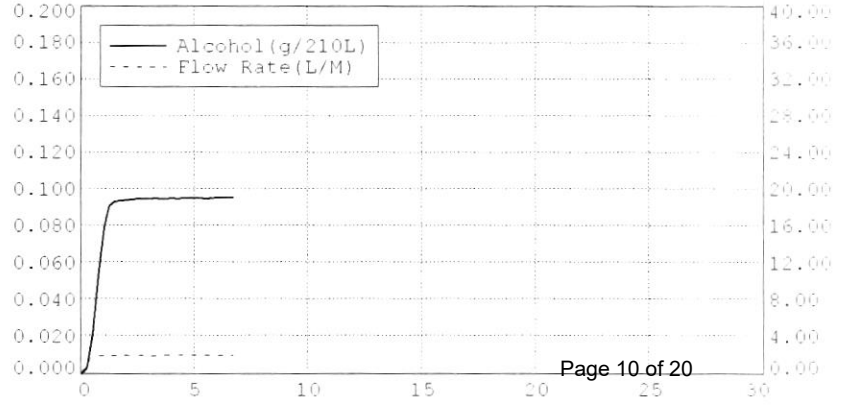
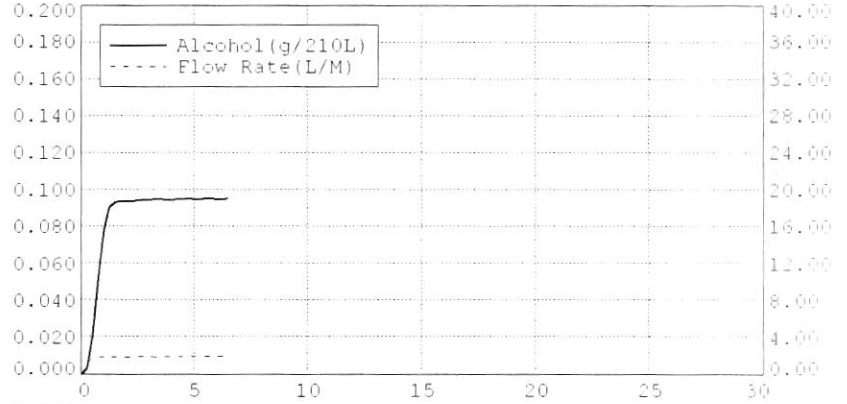
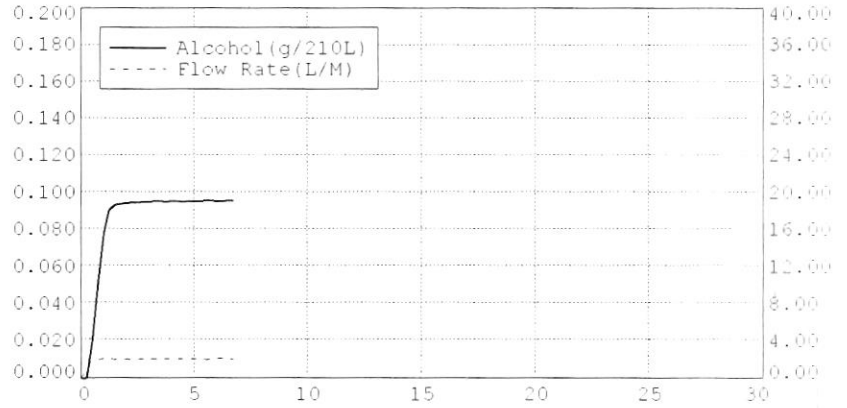
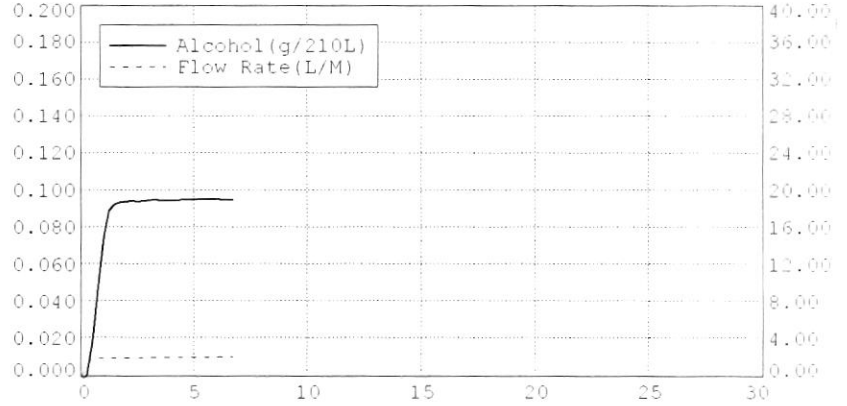
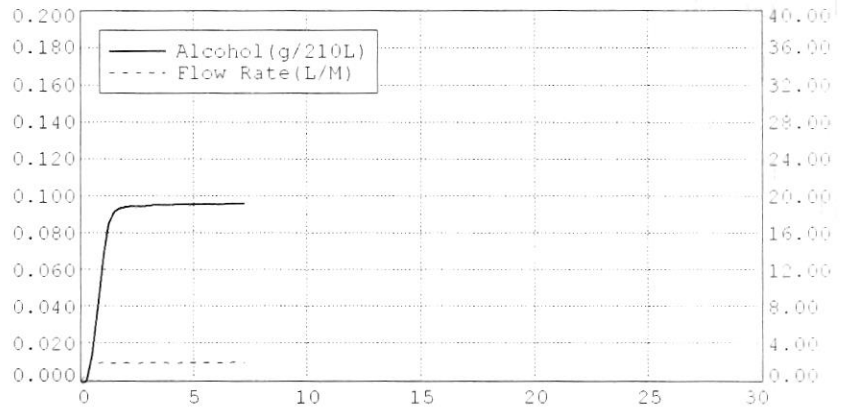
Date: 07/20/2022
 Time: 08:55:53

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.65: 0.099
 LOT #: AG108404
 EXPIRATION: 03/25/2023
 TANK PRESSURE: 299 psi

BLANK TEST	0.000	08:57
INTERNAL STANDARD	VERIFIED	08:57
EXTERNAL STANDARD	0.097	08:57
BLANK TEST	0.000	08:58
EXTERNAL STANDARD	0.096	08:58
BLANK TEST	0.000	08:59
EXTERNAL STANDARD	0.096	09:00
BLANK TEST	0.000	09:00
EXTERNAL STANDARD	0.096	09:01
BLANK TEST	0.000	09:02
EXTERNAL STANDARD	0.096	09:02
BLANK TEST	0.000	09:03

Average = 0.0962
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

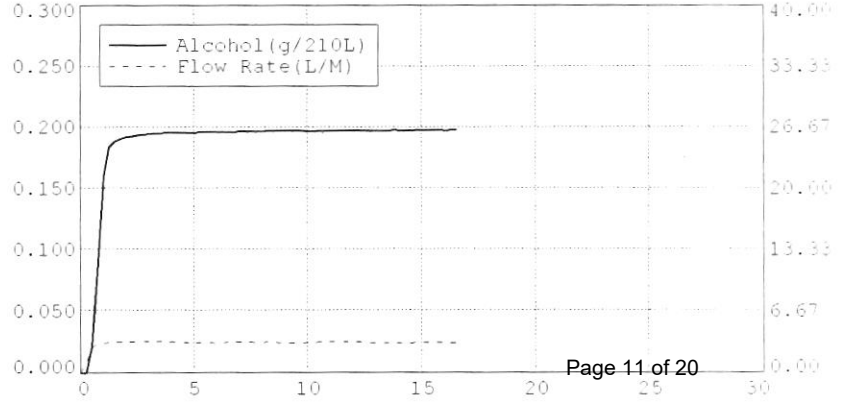
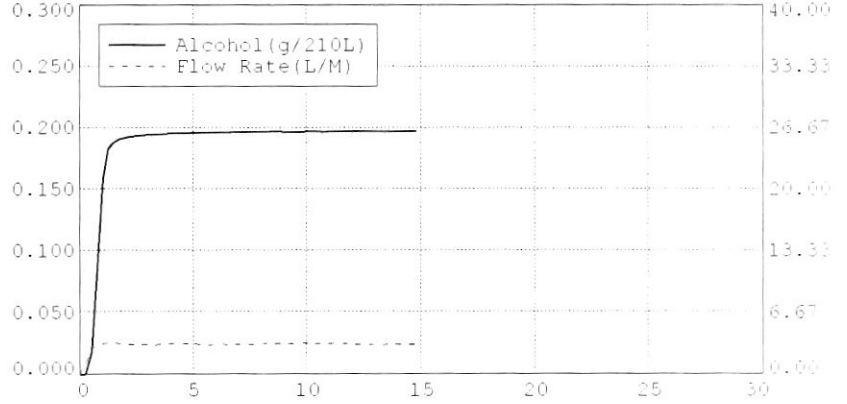
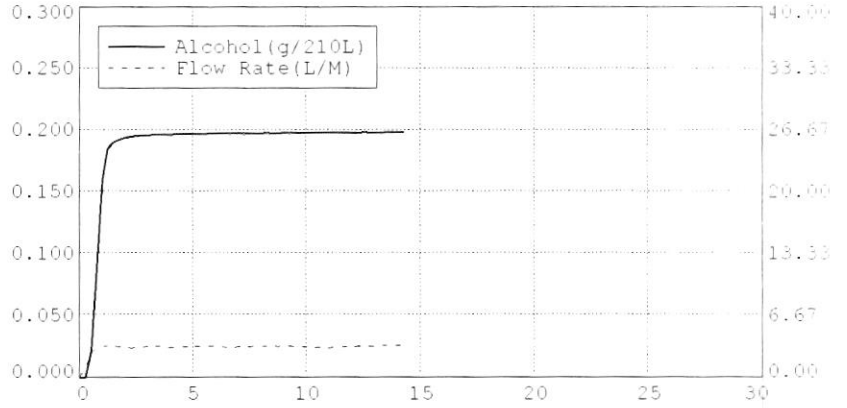
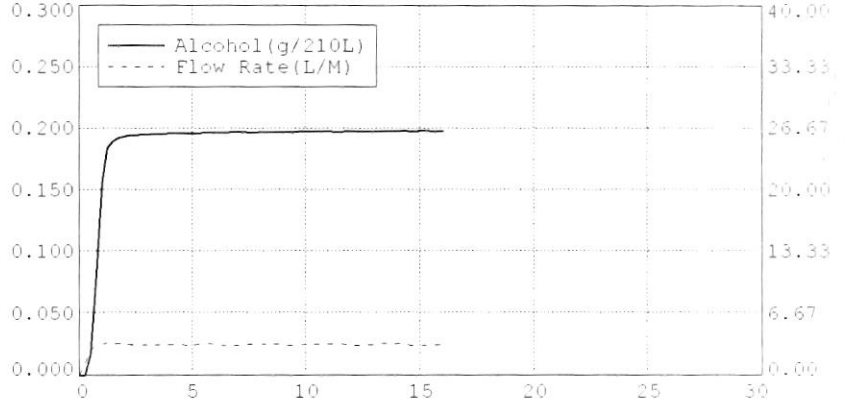
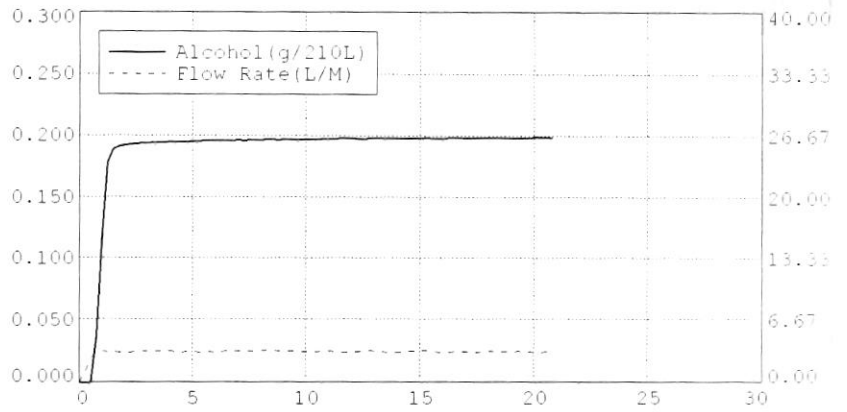
Alaska Department of Public Safety
 DATAMASTER dmt: 100686

Date: 07/20/2022
 Time: 09:03:48

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

BLANK TEST	0.000	09:06
INTERNAL STANDARD	VERIFIED	09:06
EXTERNAL STANDARD	0.199	09:06
BLANK TEST	0.000	09:08
EXTERNAL STANDARD	0.198	09:08
BLANK TEST	0.000	09:09
EXTERNAL STANDARD	0.198	09:09
BLANK TEST	0.000	09:11
EXTERNAL STANDARD	0.198	09:11
BLANK TEST	0.000	09:12
EXTERNAL STANDARD	0.198	09:12
BLANK TEST	0.000	09:13

Average = 0.1982
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 6

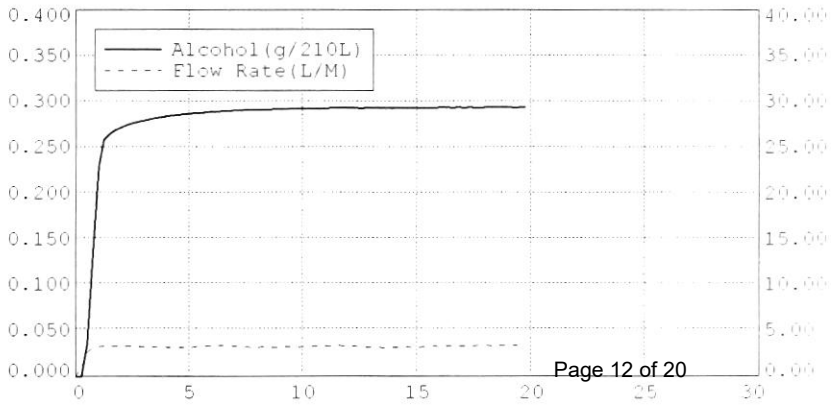
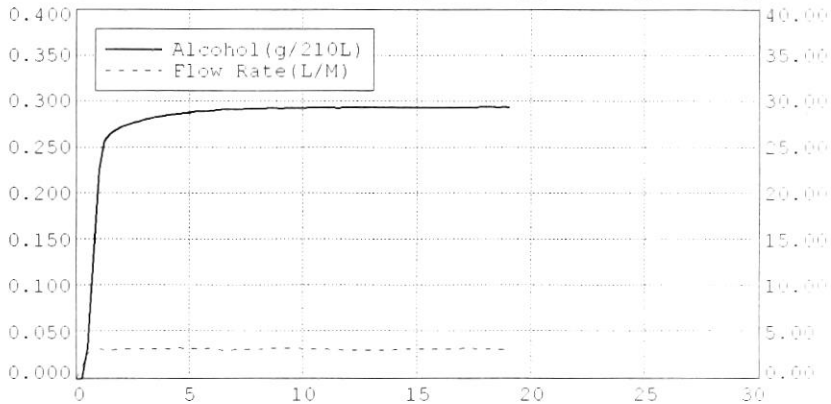
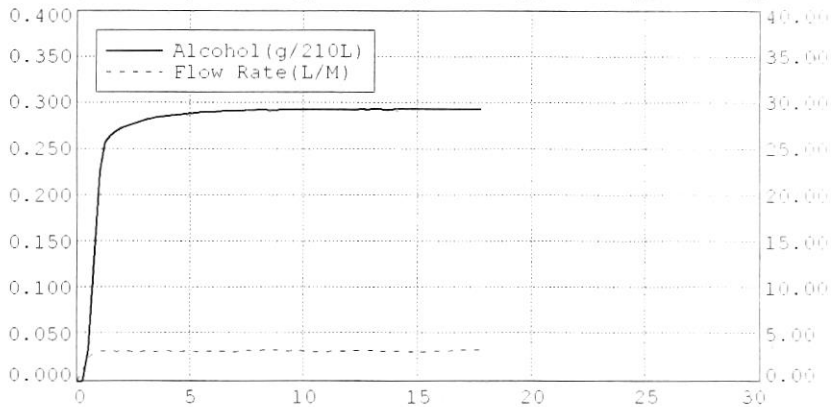
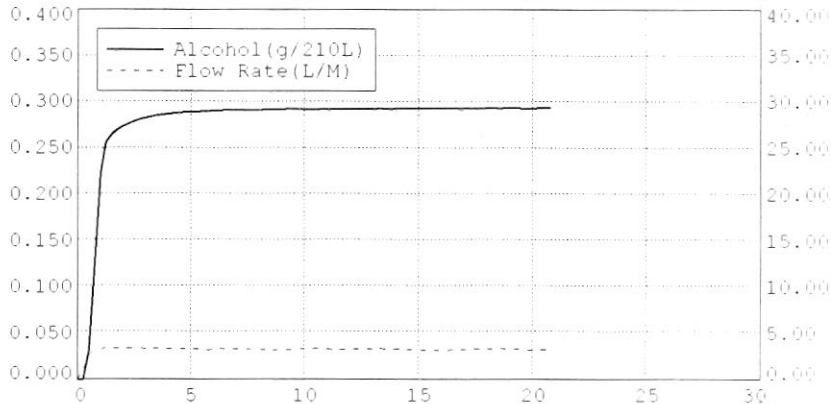
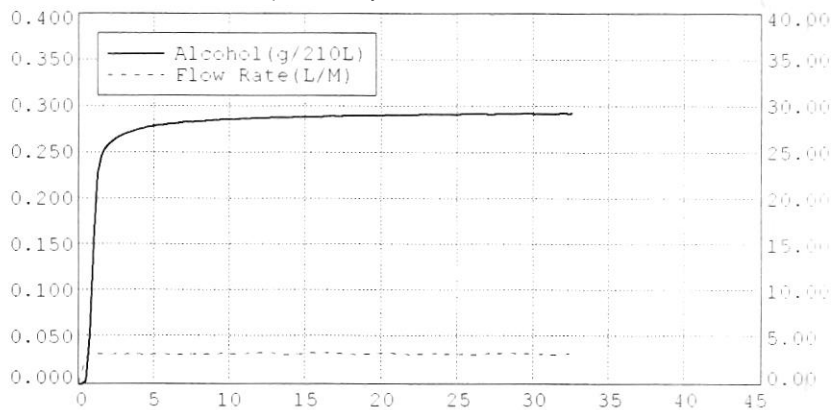
Alaska Department of Public Safety
 DATAMASTER dmt: 100686

Date: 07/20/2022
 Time: 09:15:05

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

BLANK TEST	0.000	09:16
INTERNAL STANDARD	VERIFIED	09:16
EXTERNAL STANDARD	0.293	09:17
BLANK TEST	0.000	09:18
EXTERNAL STANDARD	0.293	09:18
BLANK TEST	0.000	09:19
EXTERNAL STANDARD	0.294	09:19
BLANK TEST	0.000	09:20
EXTERNAL STANDARD	0.294	09:21
BLANK TEST	0.000	09:22
EXTERNAL STANDARD	0.294	09:22
BLANK TEST	0.000	09:23

Average = 0.2936
 Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 09:48:36

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

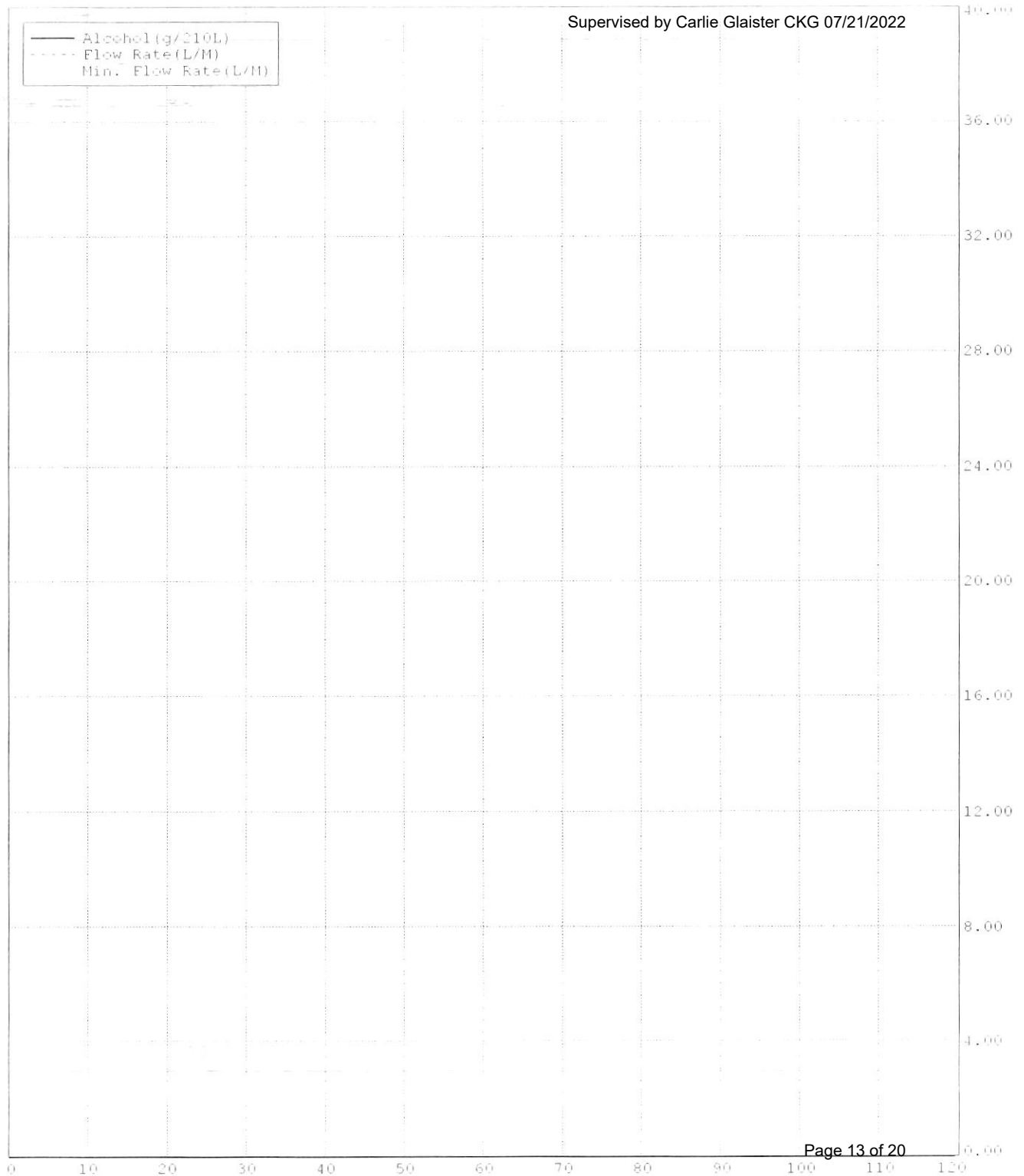
OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	09:49
BLANK TEST	0.000	09:49
INTERNAL STANDARD	VERIFIED	09:49
EXTERNAL STANDARD	0.075	09:50
BLANK TEST	0.000	09:50
SUBJECT SAMPLE	INCOMPLETE	09:53

TLM



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 09:55:02

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

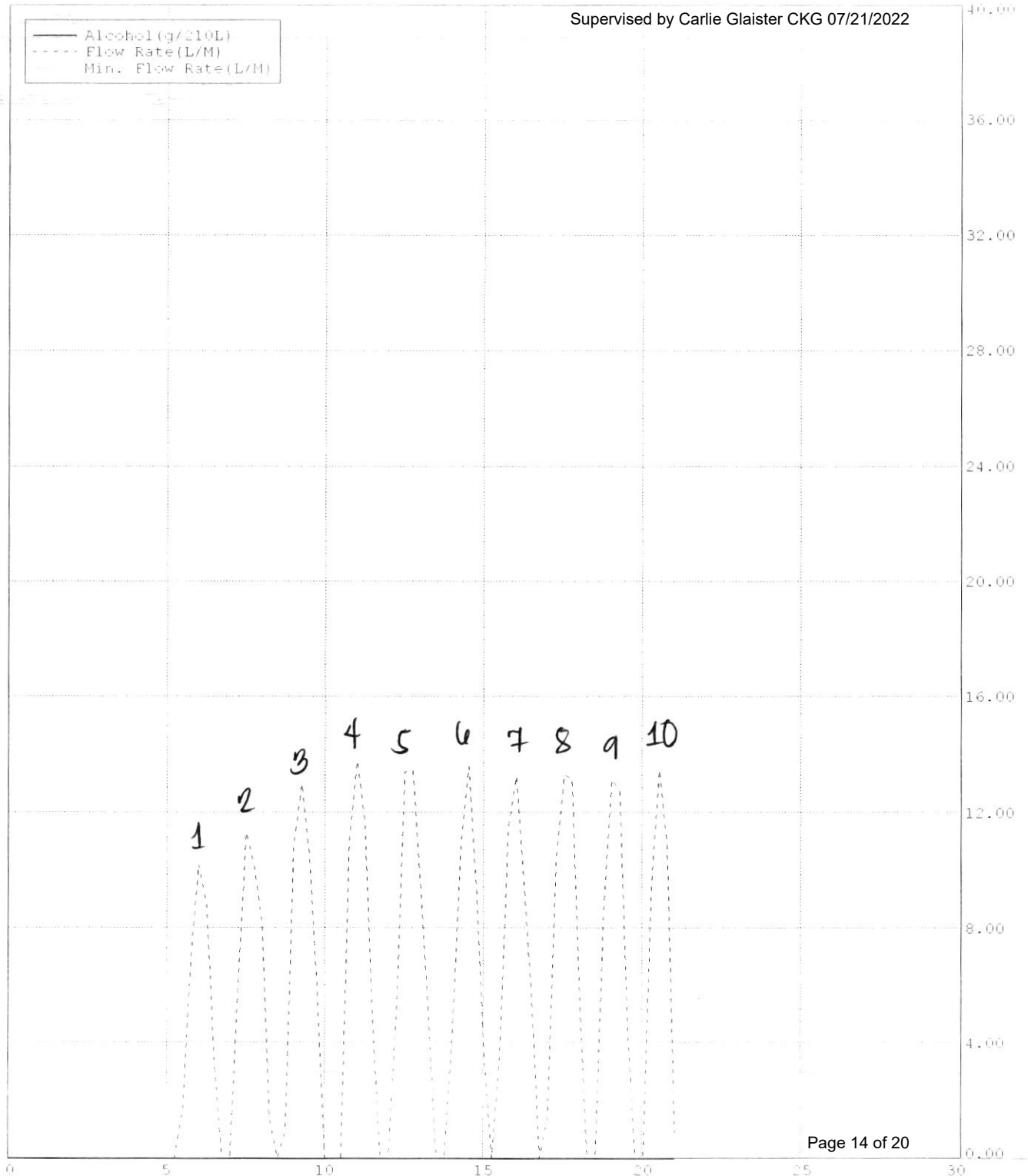
DEPT/AGENCY:
MAXIMUM ATTEMPTS EXCEEDED
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	09:56
BLANK TEST	0.000	09:56
INTERNAL STANDARD	VERIFIED	09:56
EXTERNAL STANDARD	0.077	09:56
BLANK TEST	0.000	09:57
SUBJECT SAMPLE	XXX	09:57

Maximum Attempts Exceeded

TLM



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 10:25:06

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

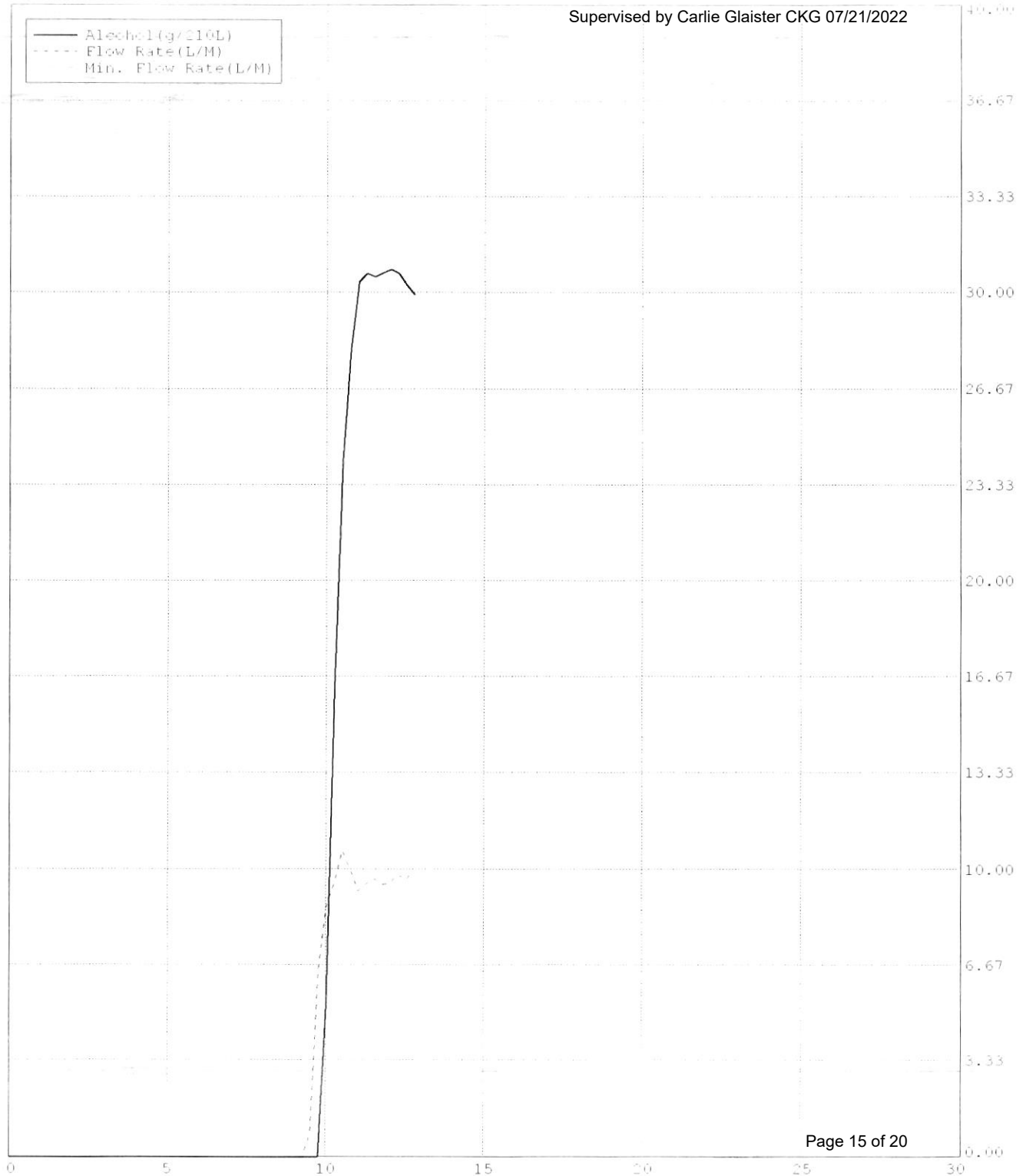
OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	10:26
BLANK TEST	0.000	10:26
INTERNAL STANDARD	VERIFIED	10:26
EXTERNAL STANDARD	0.076	10:26
BLANK TEST	0.000	10:27
SUBJECT SAMPLE	INVALID	10:27

TML



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 10:36:41

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

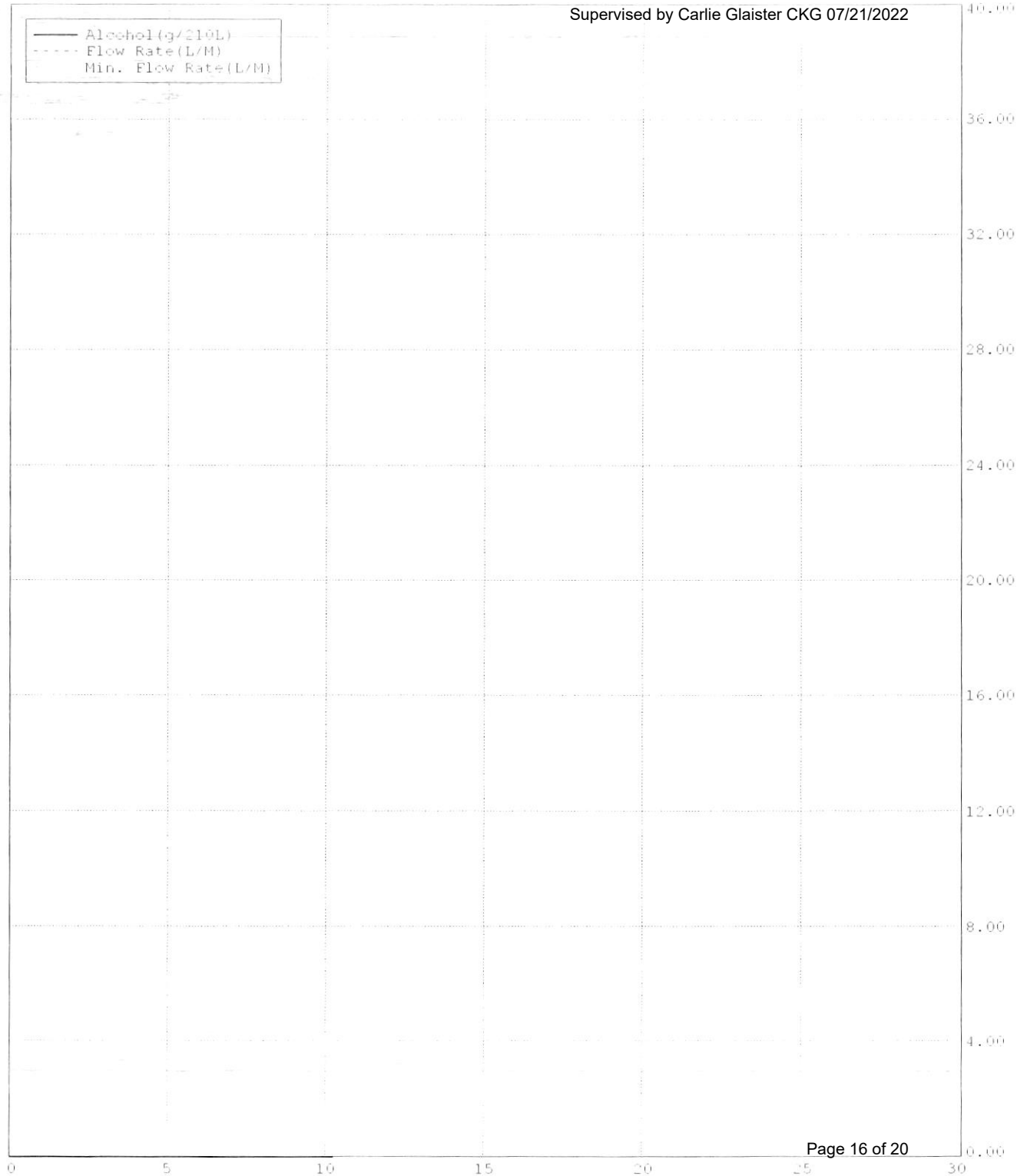
DEPT/AGENCY:
RFI
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.64: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	10:37
BLANK TEST	0.000	10:37
INTERNAL STANDARD	VERIFIED	10:37
EXTERNAL STANDARD	0.076	10:38
BLANK TEST	0.000	10:39

RFI DETECTED

TML



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 11:05:57

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

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

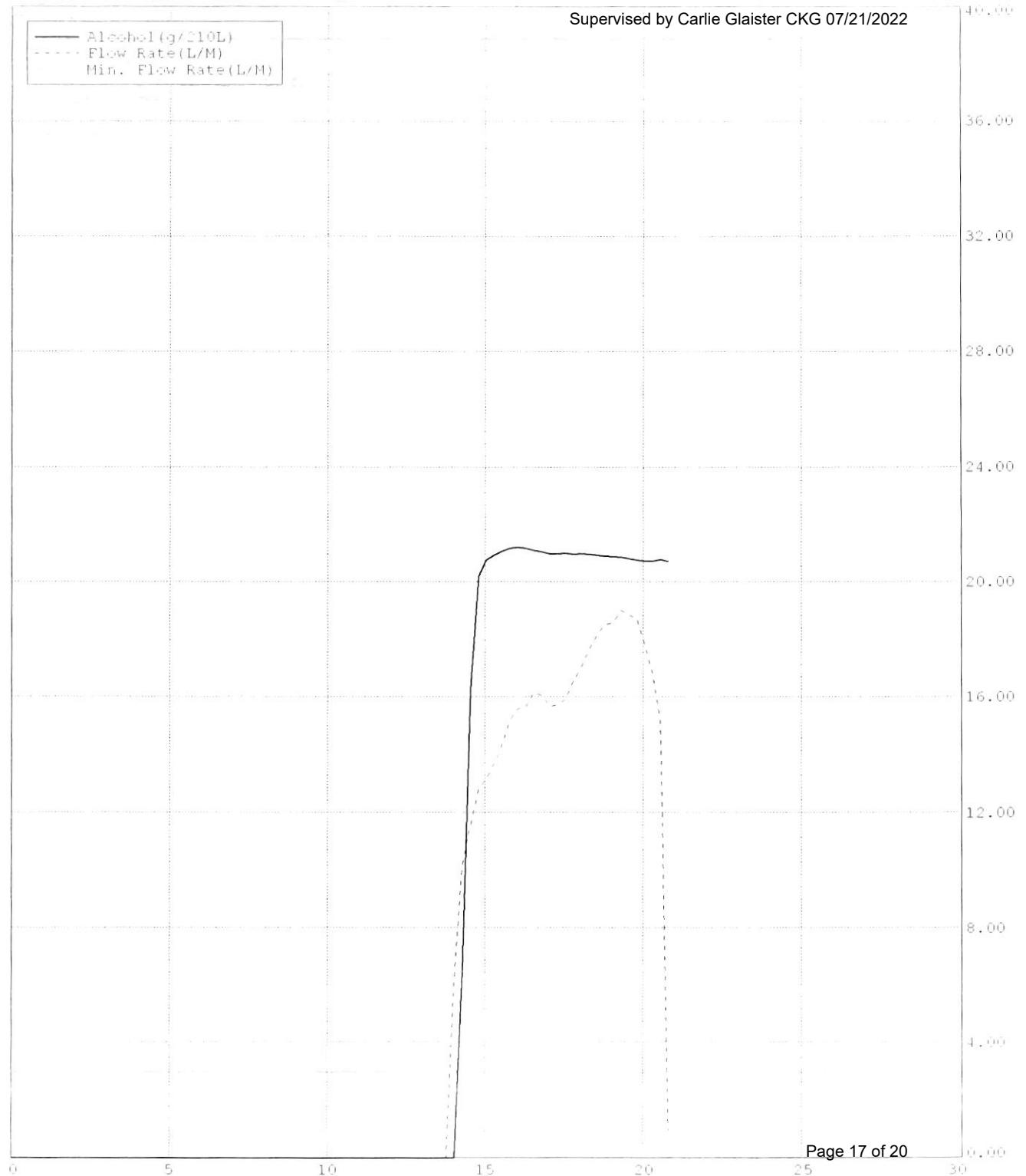
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	11:06
BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:07
Xq = 0.095 (1.78%)		
EXTERNAL STANDARD	0.077	11:07
X[1] = 0.0772 (-0.0001) (0.0024)		
BLANK TEST	0.000	11:08
SUBJECT SAMPLE	XXX	11:09
X[1] = 0.1035 (-0.0170) (0.0003)		

Interference Detected

Filter 2 Avg: -0.0001
Filter 3 Avg: 0.0023
TAM 07/20/2022

TML



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 11:20:42

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

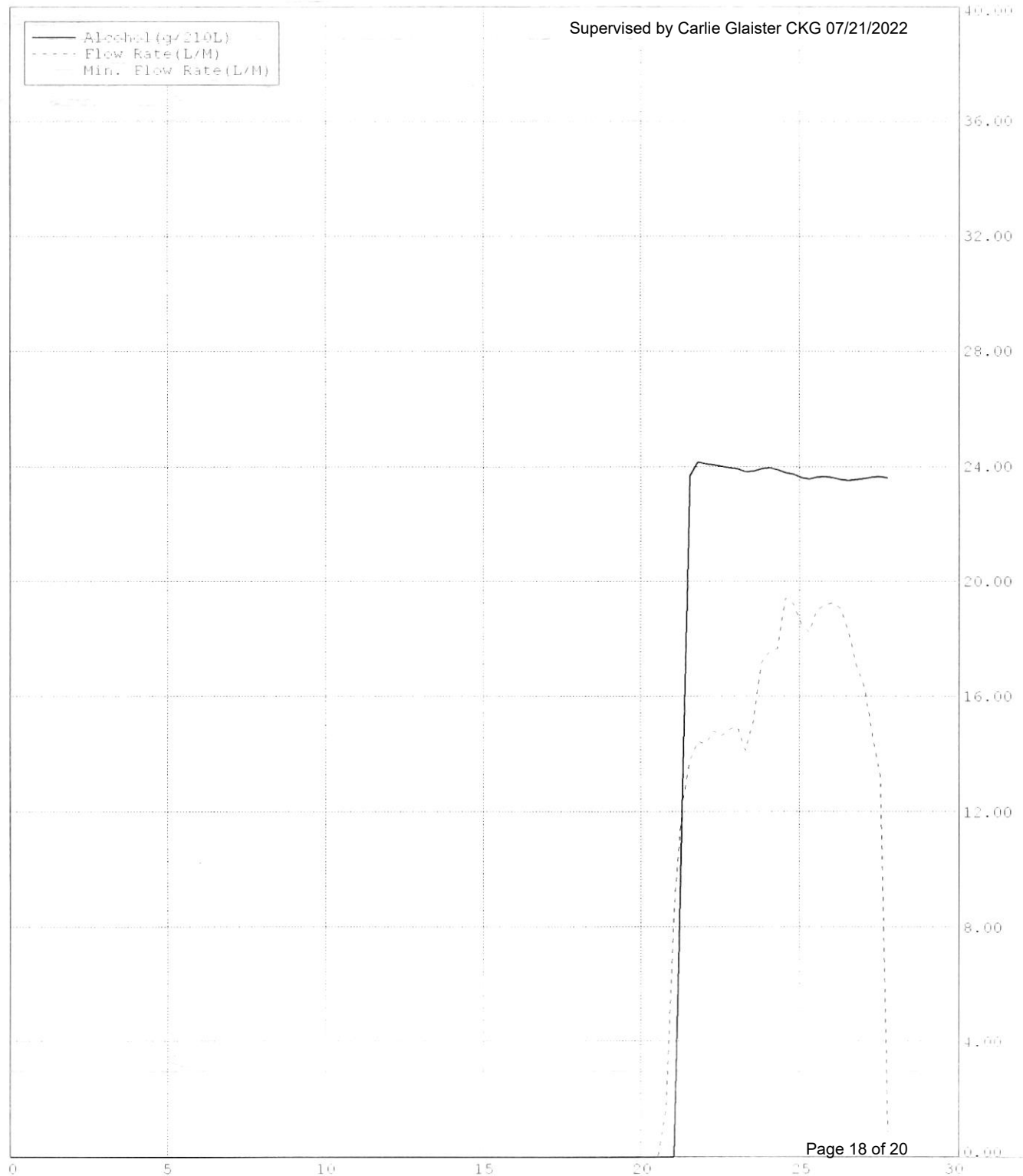
DEPT/AGENCY:
INTERFERENCE IPA
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.65: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	11:21
BLANK TEST	0.000	11:21
INTERNAL STANDARD	VERIFIED	11:21
Xq = 0.096 (2.53%)		
EXTERNAL STANDARD	0.076	11:22
X[1] = 0.0762 (-0.0007) (0.0024)		
BLANK TEST	0.000	11:23
SUBJECT SAMPLE	XXX	11:23
X[1] = 0.1181 (-0.0287) (0.0024)		

Interference Detected

TML



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 11:12:44

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

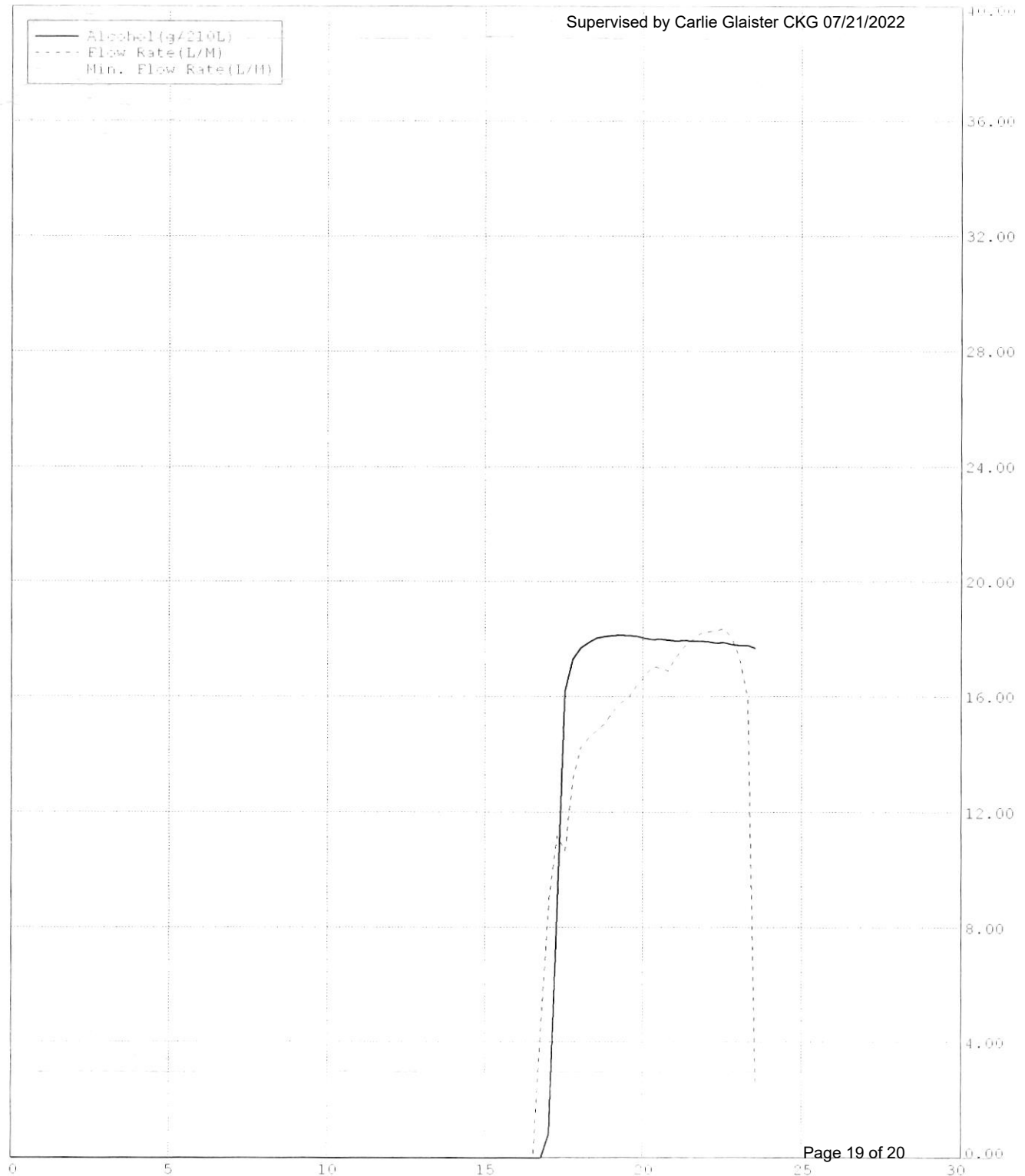
OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.64: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	11:13
BLANK TEST	0.000	11:13
INTERNAL STANDARD	VERIFIED	11:14
Xq = 0.095 (1.69%)		
EXTERNAL STANDARD	0.077	11:14
X[1] = 0.0765 (0.0000) (0.0023)		
BLANK TEST	0.000	11:15
SUBJECT SAMPLE (Vol=1.74L)	0.088	11:15
X[1] = 0.0888 (0.0000) (0.0010)		
BLANK TEST	0.000	11:16
EXTERNAL STANDARD	0.076	11:16
X[1] = 0.0764 (0.0003) (0.0020)		
BLANK TEST	0.000	11:17

TMM



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/20/2022
Time: 13:46:23

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.62: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	13:47
BLANK TEST	0.000	13:47
INTERNAL STANDARD	VERIFIED	13:47
EXTERNAL STANDARD	0.076	13:47
BLANK TEST	0.000	13:48
SUBJECT SAMPLE (Vol=1.64L)	0.000	13:49
BLANK TEST	0.000	13:49
EXTERNAL STANDARD	0.076	13:50
BLANK TEST	0.000	13:51

TLM

