



Airgas USA LLC (LAB)
 3500 Bernard Street
 St. Louis, Mo. 63103
 Ph: (314) 533-3100
 Fax: (314) 533-7328

Certificate of Analysis

Customer Name
 Exclusive Supplier
 Intoximeters, Inc.
 2081 Craig Road
 St. Louis, Mo 63146

Test Date: 28-Jun-2022
Exp. Date: 28-Jun-2024

Lot # AG217902 **Tank No.** 004 **Cylinder Type** 108 **Model** 108cacc

| Component | Requested Concentration | Actual Concentration | Total Relative Uncertainty |
|-----------|-------------------------|-------------------------|----------------------------|
| Ethanol | 52 ppm (0.020 BrAC) | 51.6 ppm (0.0198 BrAC) | ±1.5% |
| Nitrogen | Balance | | |

Certification Traceable to N.I.S.T. RGM and to CRM Ethanol Standards:

| RGM Serial No. | Concentration | RGM Serial No. | Concentration |
|----------------|---------------|----------------|---------------|
| EB0010581 | 391.8 ppm | EB0010603 | 392.5 ppm |
| EB0010570 | 259.8 ppm | EB0010559 | 258.9 ppm |
| EB0010285 | 209.0 ppm | EB0010562 | 104.2 ppm |
| EB0010561 | 103.7 ppm | EB0010579 | 52.94 ppm |
| EB0010681 | 52.22 ppm | | |

| CRM Serial No. | Concentration | CRM Serial No. | Concentration |
|----------------|---------------|----------------|---------------|
| CC727481 | 800.0 ppm | CC727493 | 390.0 ppm |
| CC727496 | 253.0 ppm | CC727498 | 150.0 ppm |

Analytical Method: NDIR

This cylinder has been analytically certified as directly traceable to NIST with a total analytical uncertainty as stated above with a confidence level of 95%, in accordance with Airgas ISO procedures. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

Digitally signed by:Quality Control
 Reason:Dry gas standard certification of analysis
 Location:Airgas USA LLC (Lab)
 Date:06.29.2022 14:41

Approved for Release:

Rod Marsala

ISO 17025:2017 A2LA accredited. Certificate Number 3082.06
ISO 17034:2016 A2LA accredited. Certificate Number 3082.07

SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 07/12/2022
Time: 09:29:02

SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

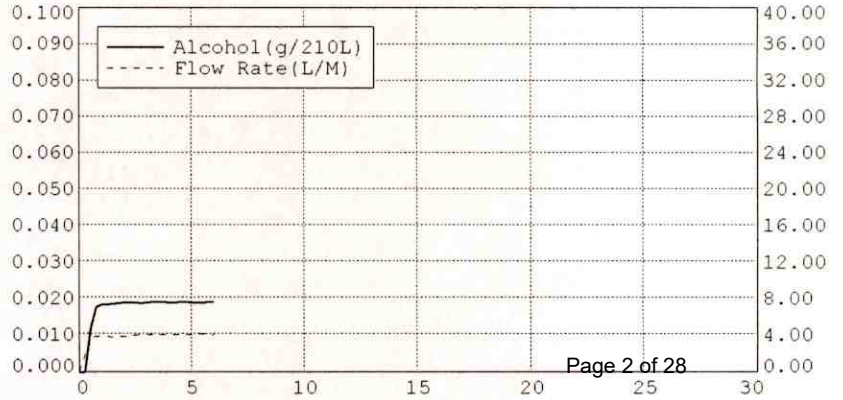
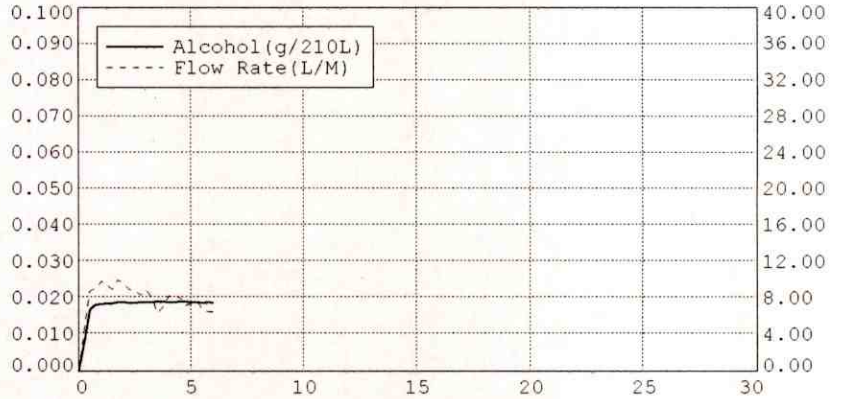
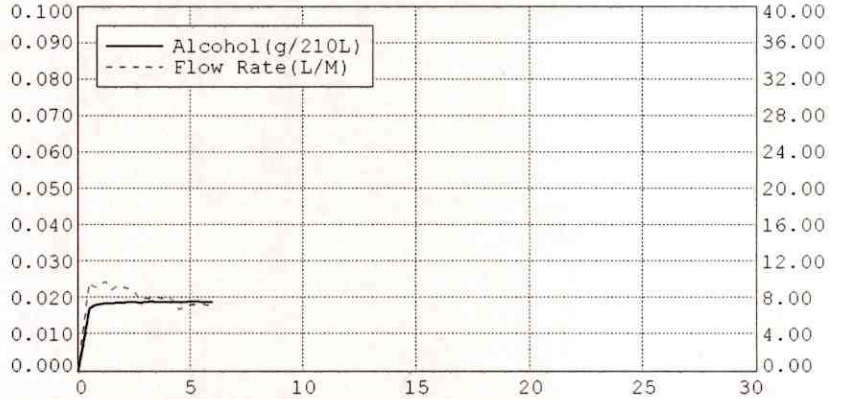
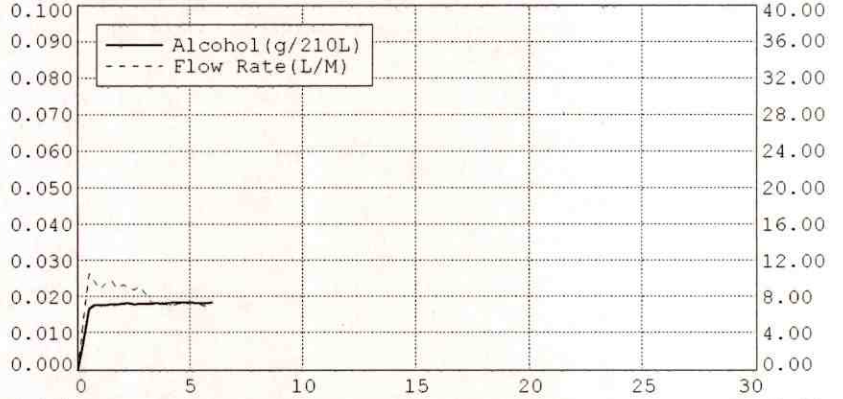
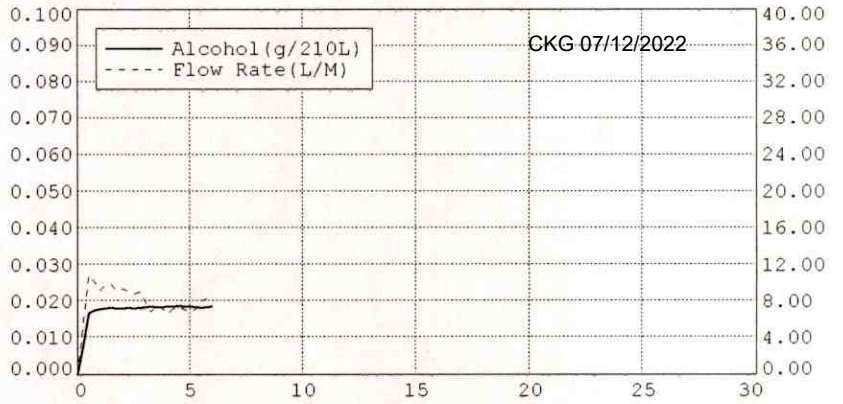
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.55: 0.020
TANK PRESSURE: 1193 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:30 |
| INTERNAL STANDARD | VERIFIED | 09:30 |
| EXTERNAL STANDARD | 0.020 | 09:31 |
| BLANK TEST | 0.000 | 09:31 |
| EXTERNAL STANDARD | 0.020 | 09:32 |
| BLANK TEST | 0.000 | 09:33 |
| EXTERNAL STANDARD | 0.021 | 09:33 |
| BLANK TEST | 0.000 | 09:34 |
| EXTERNAL STANDARD | 0.020 | 09:34 |
| BLANK TEST | 0.000 | 09:35 |
| EXTERNAL STANDARD | 0.020 | 09:35 |
| BLANK TEST | 0.000 | 09:36 |

Average = 0.0202
Std Dev = 0.0004

Lot # AG217902
Tank # 001
Exp. 28 Jun 2024
TAL 07/12/2022

Average : 0.020



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 07/12/2022
Time: 09:28:14

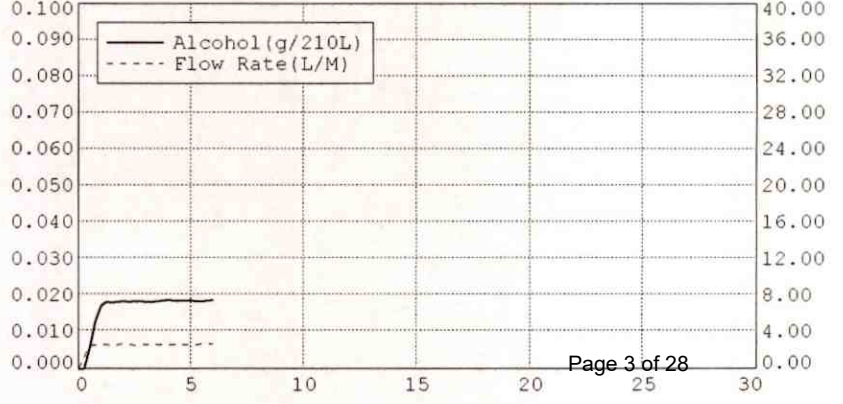
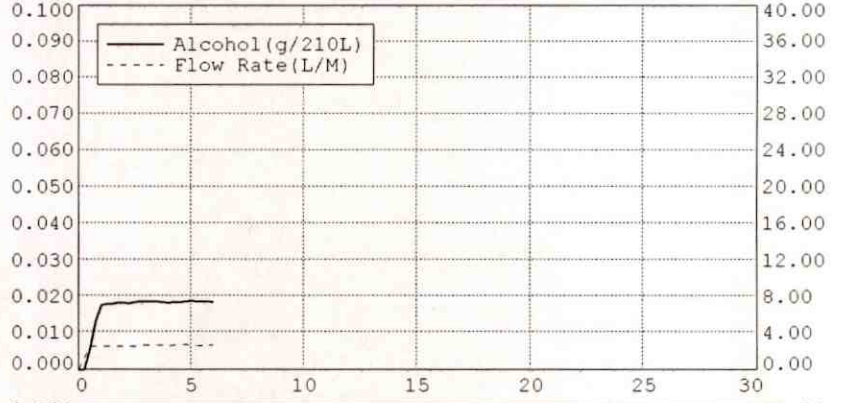
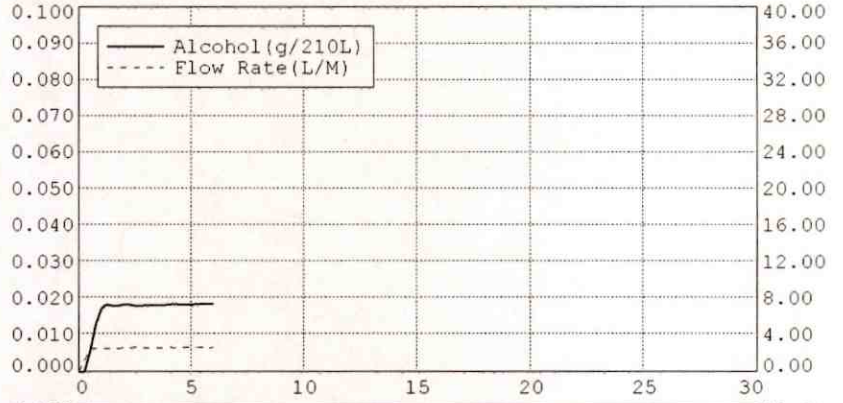
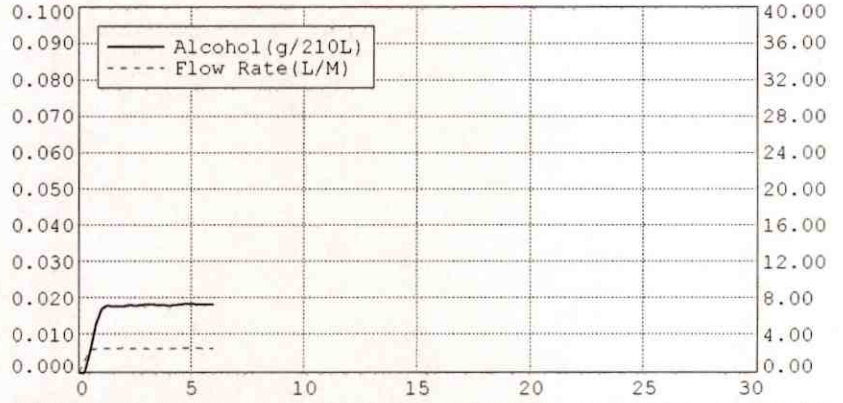
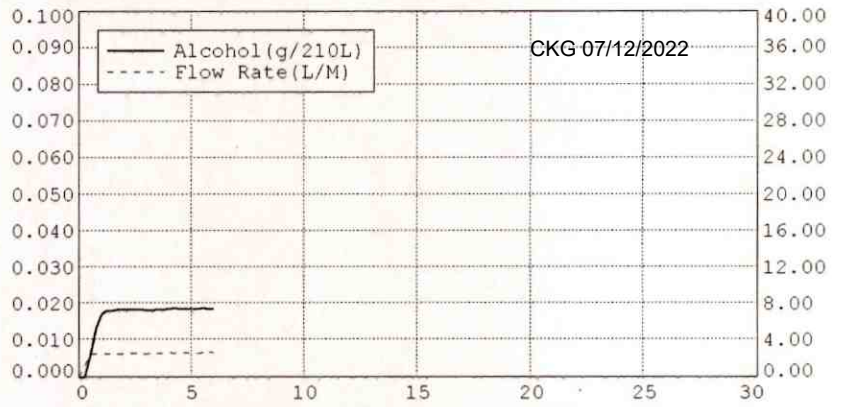
SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.54: 0.020
TANK PRESSURE: 1126 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:29 |
| INTERNAL STANDARD | VERIFIED | 09:29 |
| EXTERNAL STANDARD | 0.019 | 09:30 |
| BLANK TEST | 0.000 | 09:30 |
| EXTERNAL STANDARD | 0.019 | 09:31 |
| BLANK TEST | 0.000 | 09:32 |
| EXTERNAL STANDARD | 0.019 | 09:32 |
| BLANK TEST | 0.000 | 09:33 |
| EXTERNAL STANDARD | 0.019 | 09:33 |
| BLANK TEST | 0.000 | 09:34 |
| EXTERNAL STANDARD | 0.019 | 09:34 |
| BLANK TEST | 0.000 | 09:35 |

Average = 0.0190
Std Dev = 0.0000

Lot # AG217902
Tank # 001
Exp. 28 JUN 2024
Tank # 7/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 07/12/2022
 Time: 09:37:58

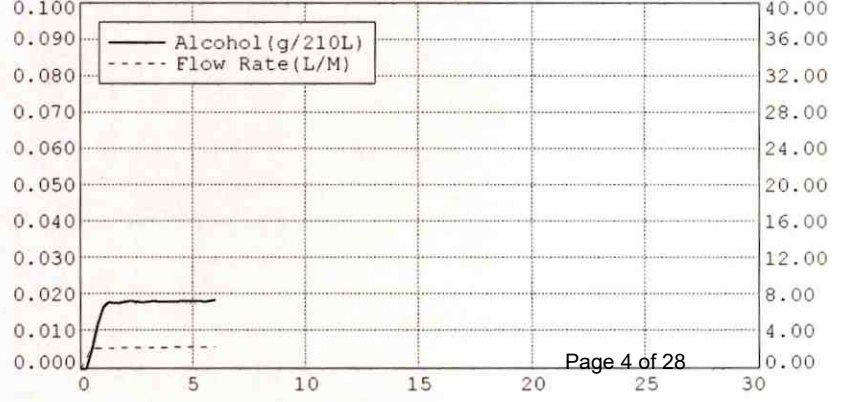
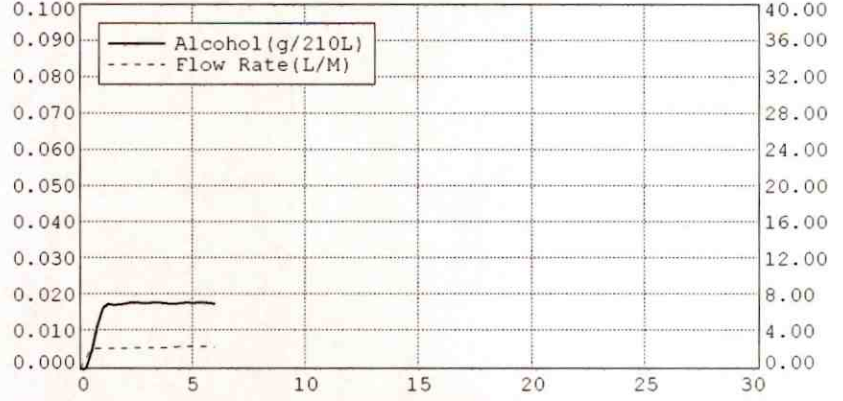
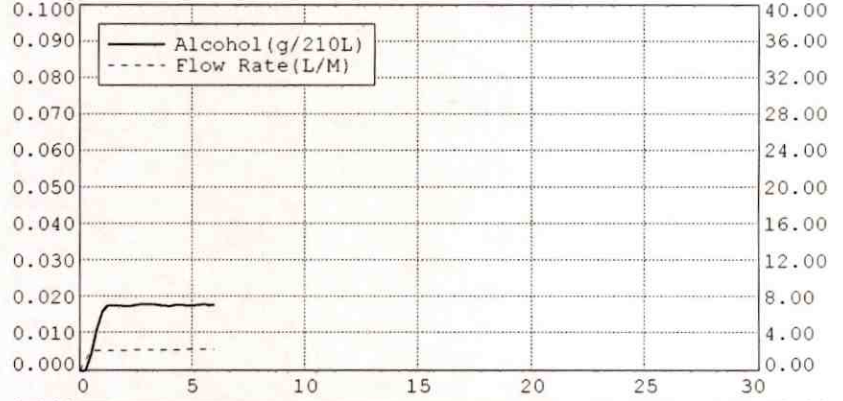
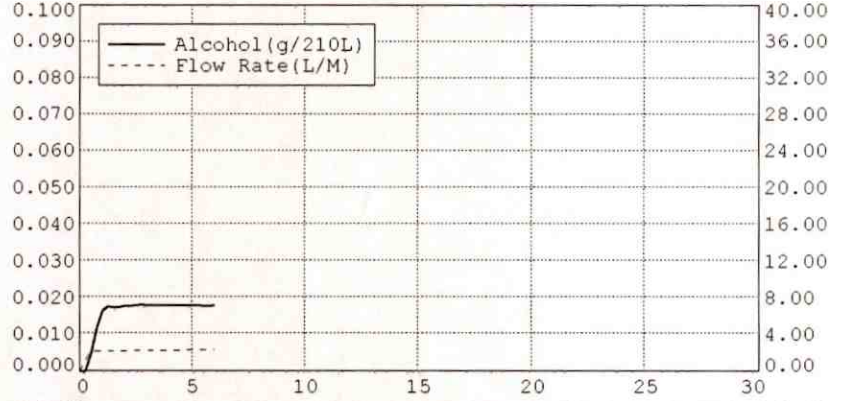
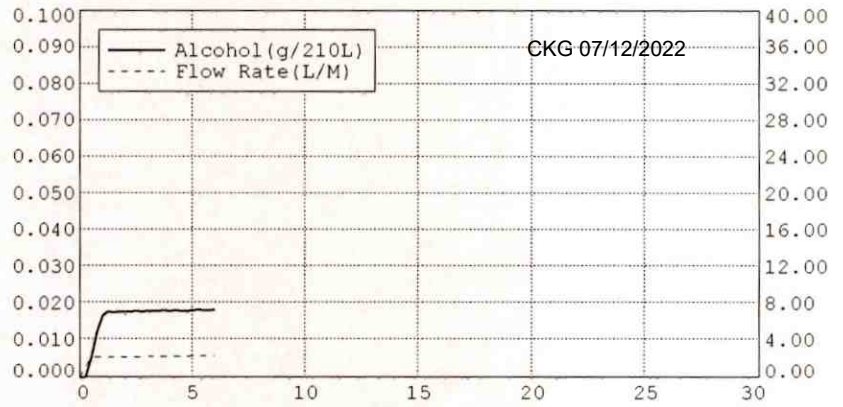
SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.55: 0.020
 TANK PRESSURE: 1118 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:39 |
| INTERNAL STANDARD | VERIFIED | 09:39 |
| EXTERNAL STANDARD | 0.019 | 09:39 |
| BLANK TEST | 0.000 | 09:40 |
| EXTERNAL STANDARD | 0.020 | 09:40 |
| BLANK TEST | 0.000 | 09:41 |
| EXTERNAL STANDARD | 0.020 | 09:42 |
| BLANK TEST | 0.000 | 09:42 |
| EXTERNAL STANDARD | 0.019 | 09:43 |
| BLANK TEST | 0.000 | 09:44 |
| EXTERNAL STANDARD | 0.019 | 09:44 |
| BLANK TEST | 0.000 | 09:45 |

Average = 0.0194
 Std Dev = 0.0005

Lot # AG217902
 Tank # 001
 Exp. 28 Jun 2024
 TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 07/12/2022
 Time: 09:38:16

SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

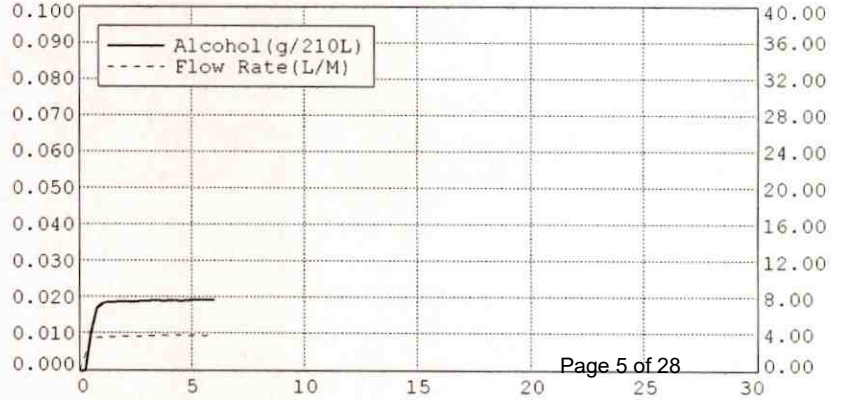
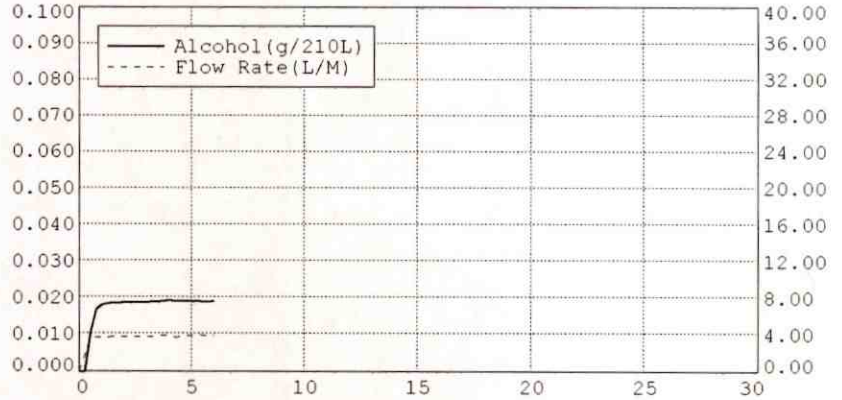
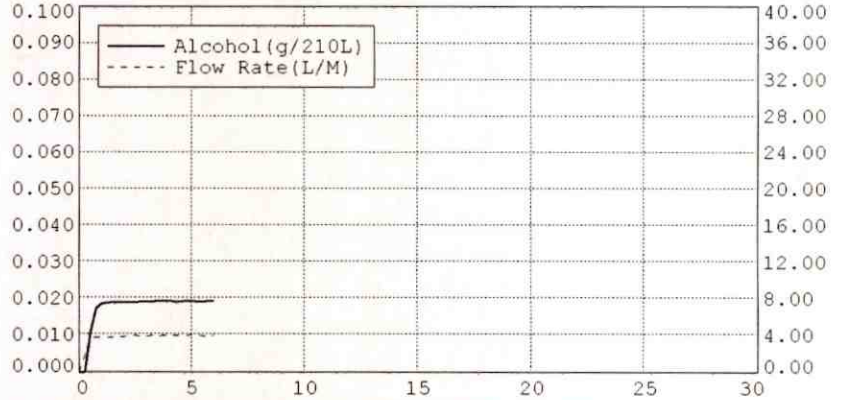
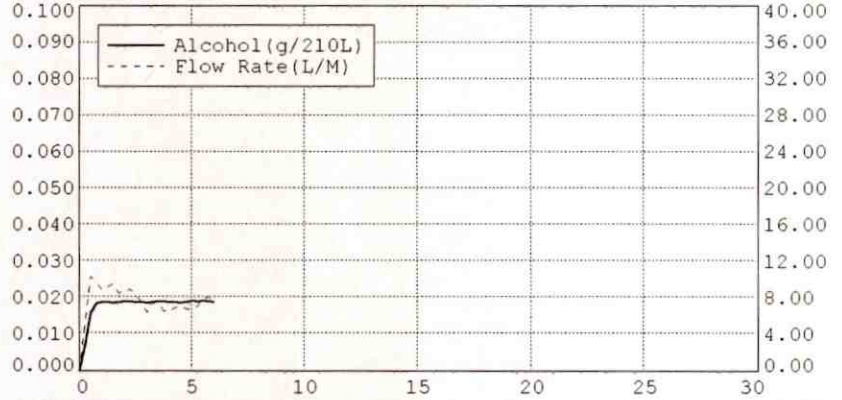
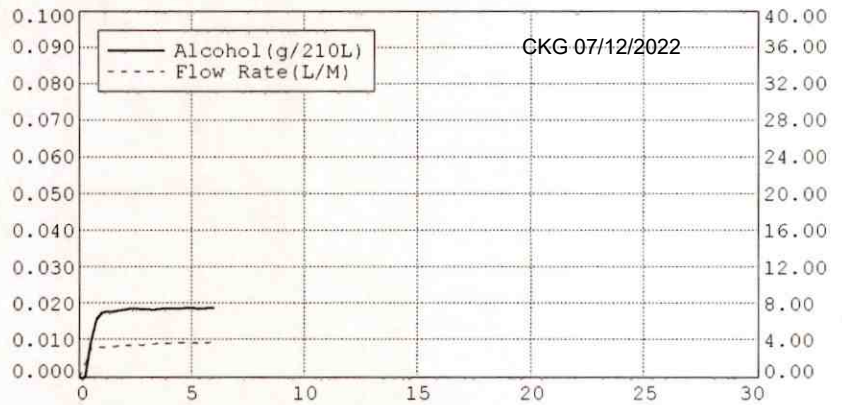
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.55: 0.020
 TANK PRESSURE: 1162 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:47 |
| INTERNAL STANDARD | VERIFIED | 09:47 |
| EXTERNAL STANDARD | 0.020 | 09:47 |
| BLANK TEST | 0.000 | 09:48 |
| EXTERNAL STANDARD | 0.021 | 09:48 |
| BLANK TEST | 0.000 | 09:49 |
| EXTERNAL STANDARD | 0.020 | 09:49 |
| BLANK TEST | 0.000 | 09:50 |
| EXTERNAL STANDARD | 0.020 | 09:50 |
| BLANK TEST | 0.000 | 09:51 |
| EXTERNAL STANDARD | 0.020 | 09:52 |
| BLANK TEST | 0.000 | 09:52 |

Average = 0.0202
 Std Dev = 0.0004

Lot # AG217902
 Tank # 002
 Exp. 28 Jun ~~2022~~ 2024
 TAL 07/12/2022

Average: 0.019



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 07/12/2022
 Time: 09:36:27

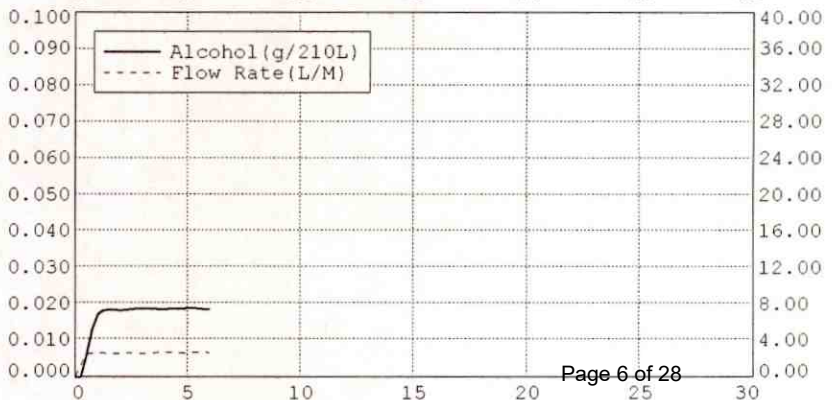
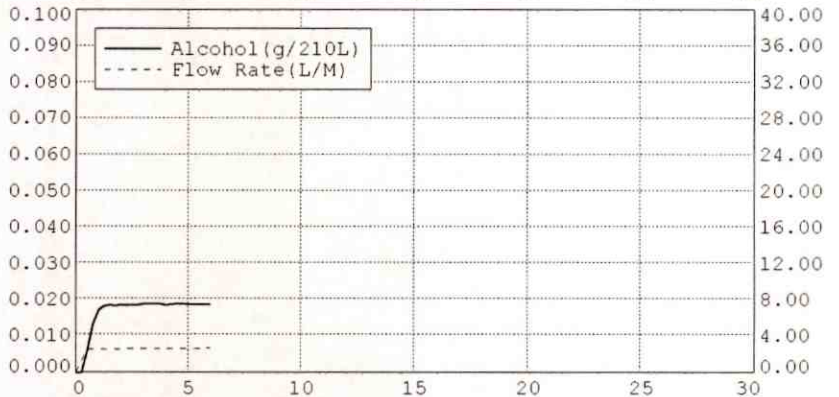
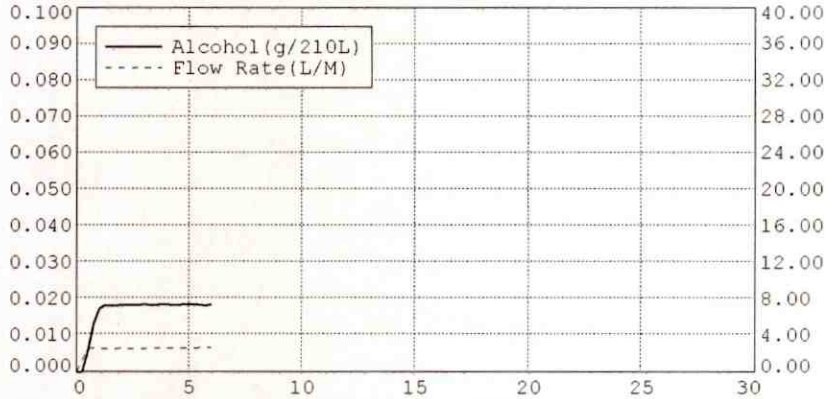
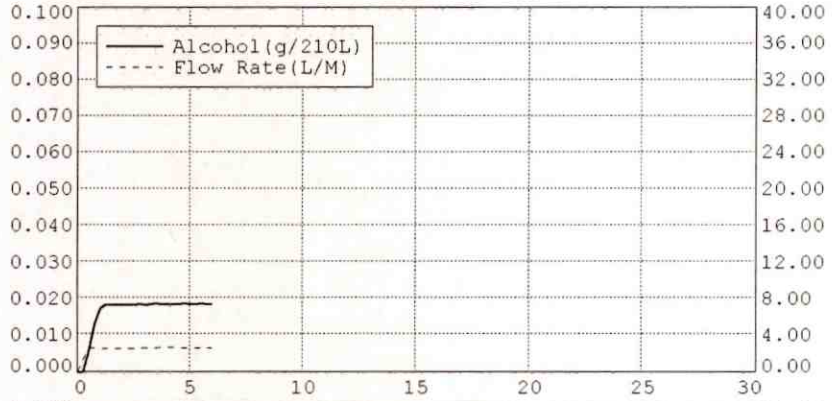
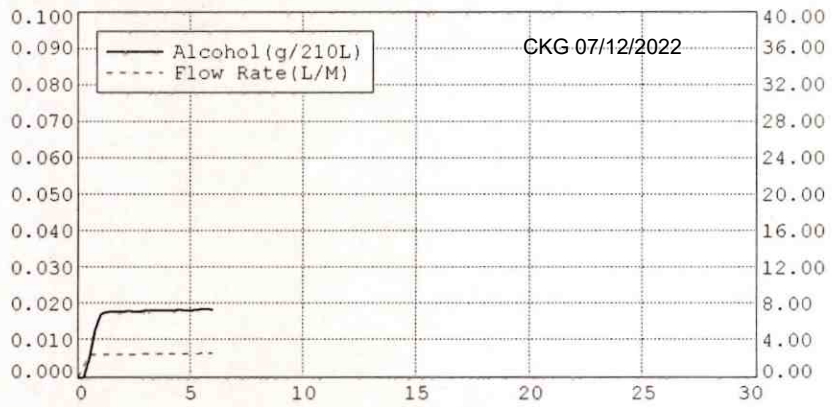
SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.55: 0.020
 TANK PRESSURE: 1121 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:41 |
| INTERNAL STANDARD | VERIFIED | 09:42 |
| EXTERNAL STANDARD | 0.019 | 09:42 |
| BLANK TEST | 0.000 | 09:43 |
| EXTERNAL STANDARD | 0.019 | 09:43 |
| BLANK TEST | 0.000 | 09:44 |
| EXTERNAL STANDARD | 0.019 | 09:44 |
| BLANK TEST | 0.000 | 09:45 |
| EXTERNAL STANDARD | 0.019 | 09:45 |
| BLANK TEST | 0.000 | 09:46 |
| EXTERNAL STANDARD | 0.019 | 09:46 |
| BLANK TEST | 0.000 | 09:47 |

Average = 0.0190
 Std Dev = 0.0000

Lot # A6217902
 Tank # 002
 Exp. 28 Jun 2024
 TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 07/12/2022
Time: 09:21:27

SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

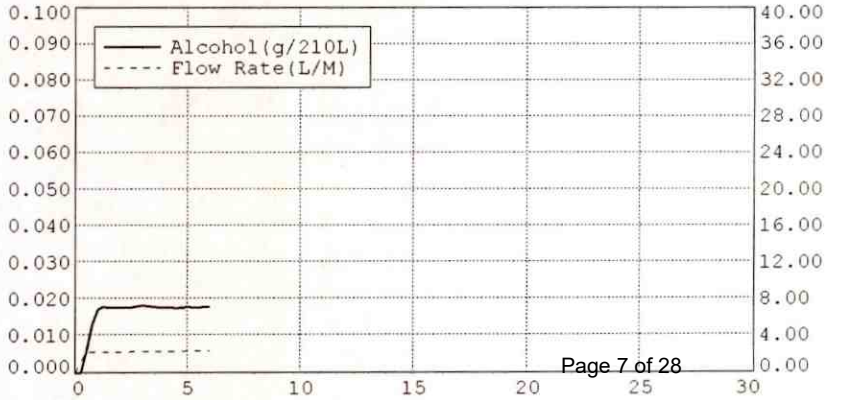
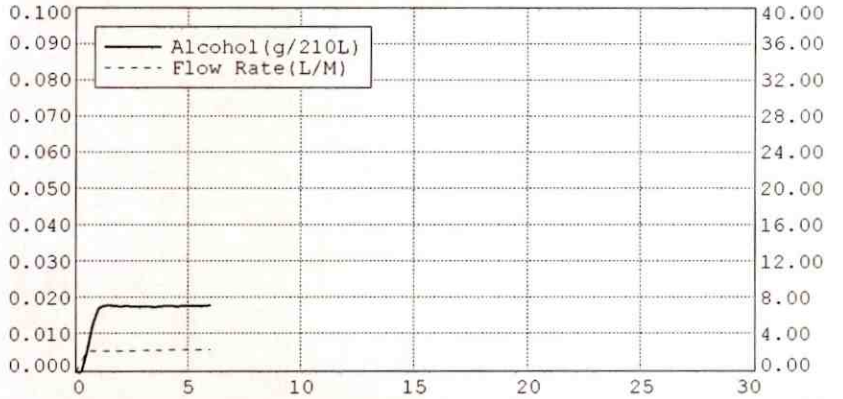
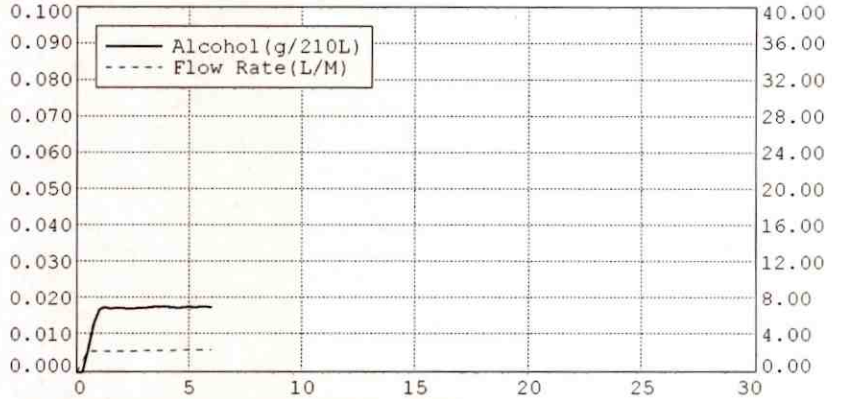
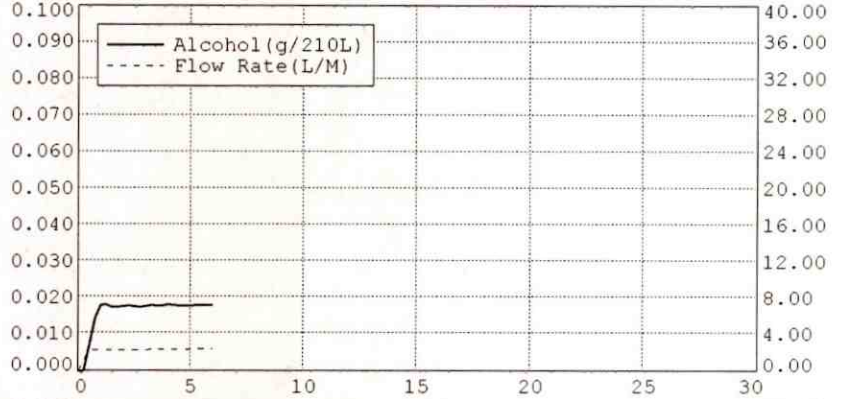
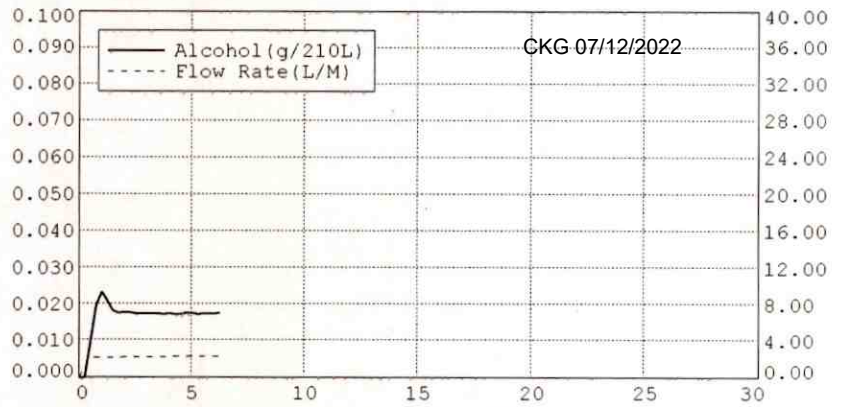
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.55: 0.020
TANK PRESSURE: 1173 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:22 |
| INTERNAL STANDARD | VERIFIED | 09:23 |
| EXTERNAL STANDARD | 0.019 | 09:23 |
| BLANK TEST | 0.000 | 09:24 |
| EXTERNAL STANDARD | 0.019 | 09:24 |
| BLANK TEST | 0.000 | 09:25 |
| EXTERNAL STANDARD | 0.019 | 09:25 |
| BLANK TEST | 0.000 | 09:26 |
| EXTERNAL STANDARD | 0.020 | 09:26 |
| BLANK TEST | 0.000 | 09:27 |
| EXTERNAL STANDARD | 0.019 | 09:27 |
| BLANK TEST | 0.000 | 09:28 |

Average = 0.0192
Std Dev = 0.0004

Lot # A6217902
Tank # 002
Exp. 28 Jun 2024
TAL 07/12/2022

AG217902 EXP 06282024



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 07/12/2022
Time: 09:54:45

SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

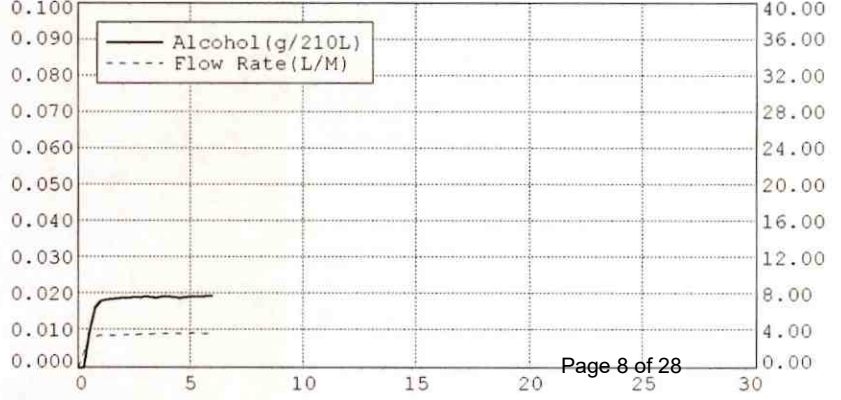
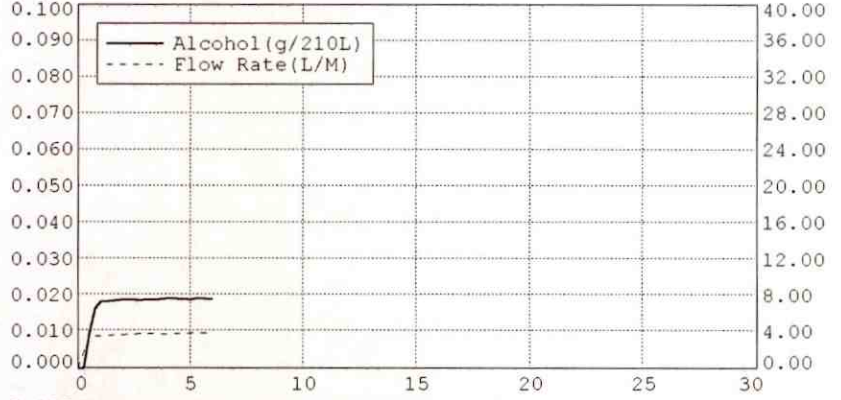
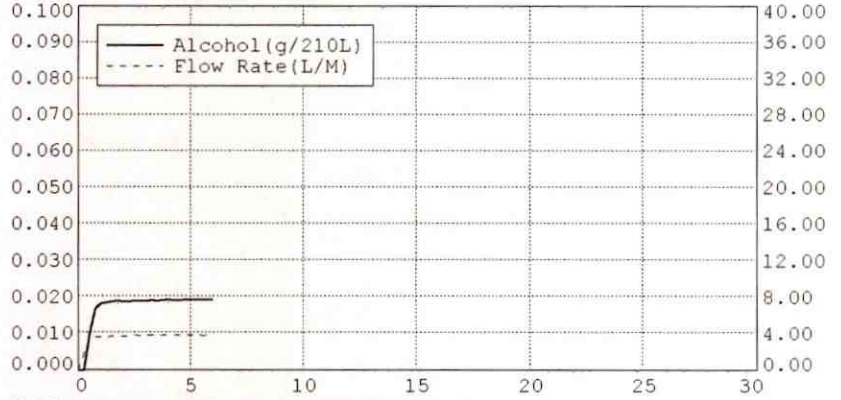
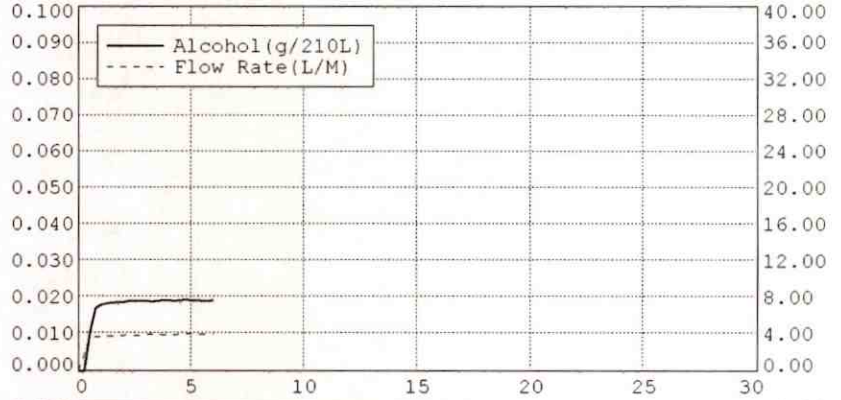
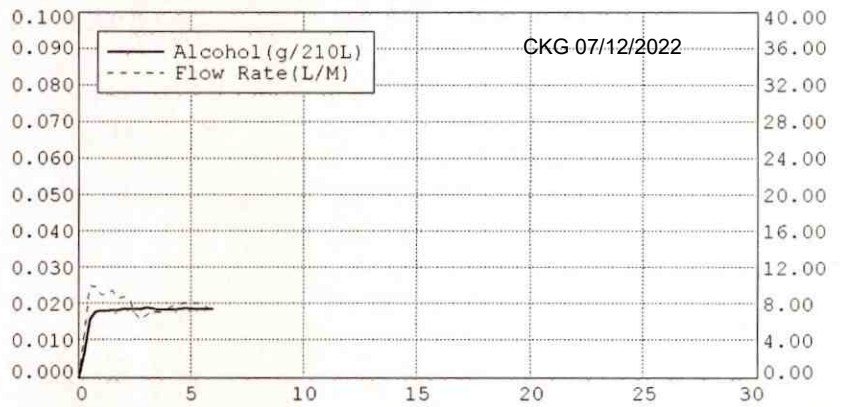
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.55: 0.020
TANK PRESSURE: 1157 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:56 |
| INTERNAL STANDARD | VERIFIED | 09:56 |
| EXTERNAL STANDARD | 0.020 | 09:56 |
| BLANK TEST | 0.000 | 09:57 |
| EXTERNAL STANDARD | 0.020 | 09:57 |
| BLANK TEST | 0.000 | 09:58 |
| EXTERNAL STANDARD | 0.020 | 09:58 |
| BLANK TEST | 0.000 | 09:59 |
| EXTERNAL STANDARD | 0.020 | 09:59 |
| BLANK TEST | 0.000 | 10:00 |
| EXTERNAL STANDARD | 0.020 | 10:00 |
| BLANK TEST | 0.000 | 10:01 |

Average = 0.0200
Std Dev = 0.0000

Lot # A61217902
Tank # 004
Exp. 28 JUN 2024
TAL 07/12/2022

Average: 0.019



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 07/12/2022
Time: 09:20:21

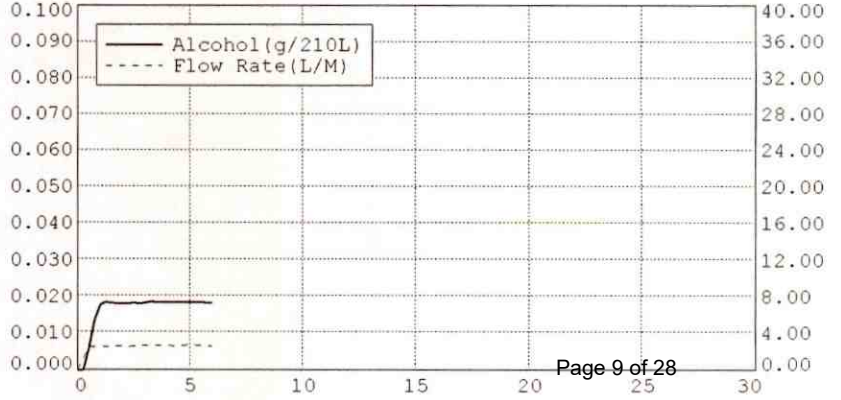
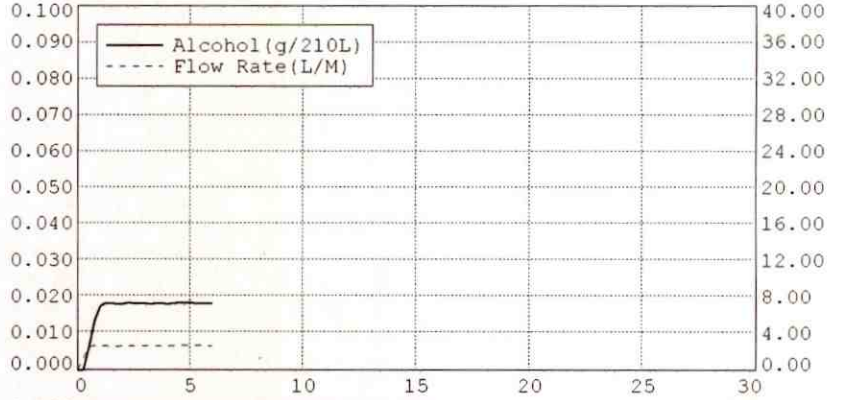
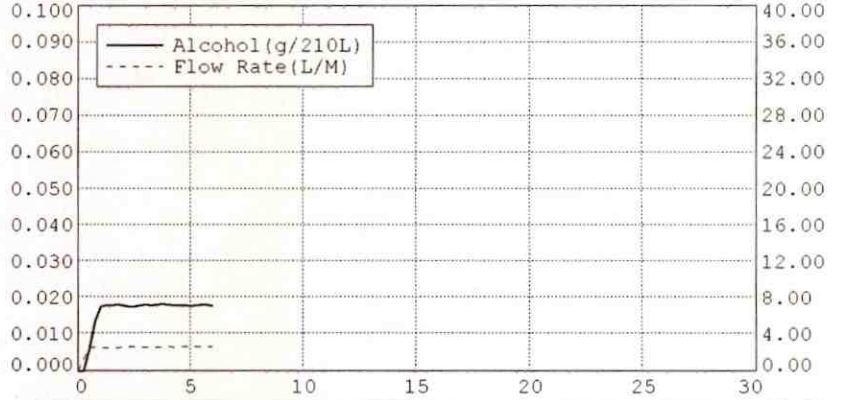
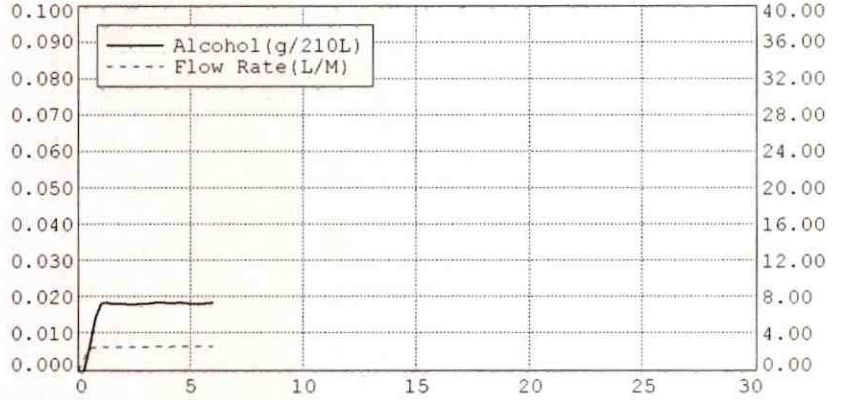
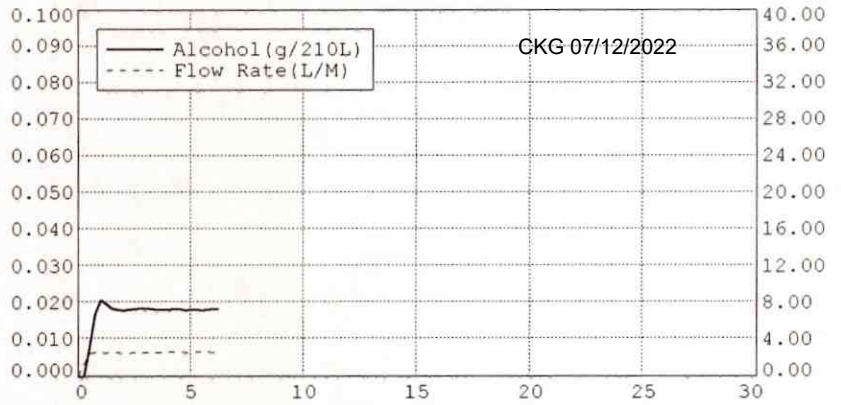
SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.55: 0.020
TANK PRESSURE: 1182 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:21 |
| INTERNAL STANDARD | VERIFIED | 09:21 |
| EXTERNAL STANDARD | 0.019 | 09:21 |
| BLANK TEST | 0.000 | 09:22 |
| EXTERNAL STANDARD | 0.019 | 09:22 |
| BLANK TEST | 0.000 | 09:23 |
| EXTERNAL STANDARD | 0.019 | 09:24 |
| BLANK TEST | 0.000 | 09:24 |
| EXTERNAL STANDARD | 0.019 | 09:25 |
| BLANK TEST | 0.000 | 09:26 |
| EXTERNAL STANDARD | 0.019 | 09:26 |
| BLANK TEST | 0.000 | 09:27 |

Average = 0.0190
Std Dev = 0.0000

Lot # AG217902
Tank # 004
Exp. 28 Jun 2024
TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 07/12/2022
Time: 09:29:45

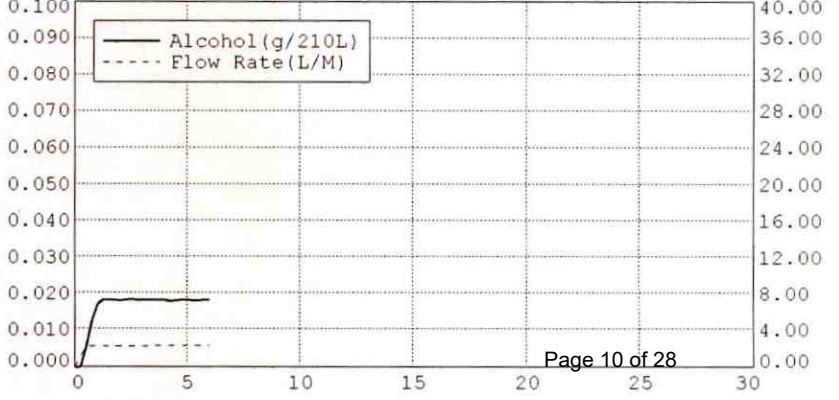
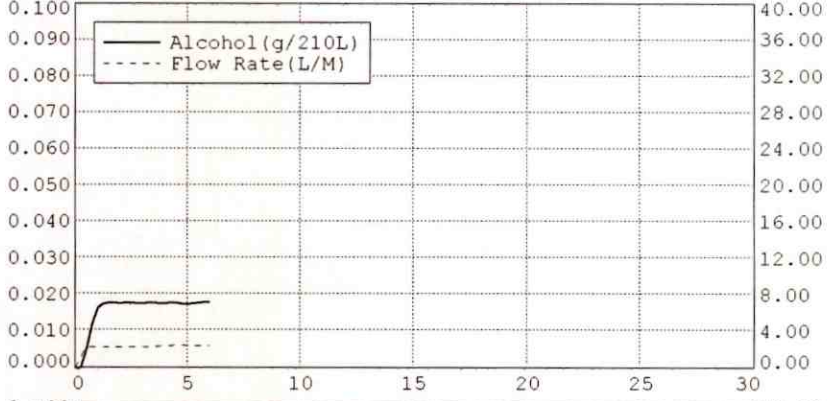
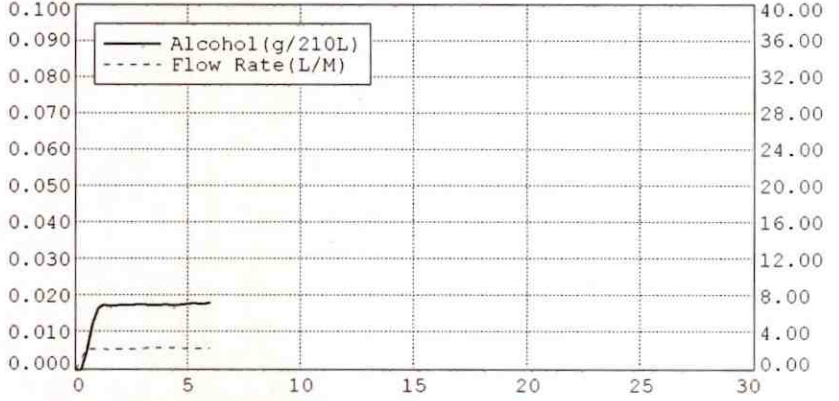
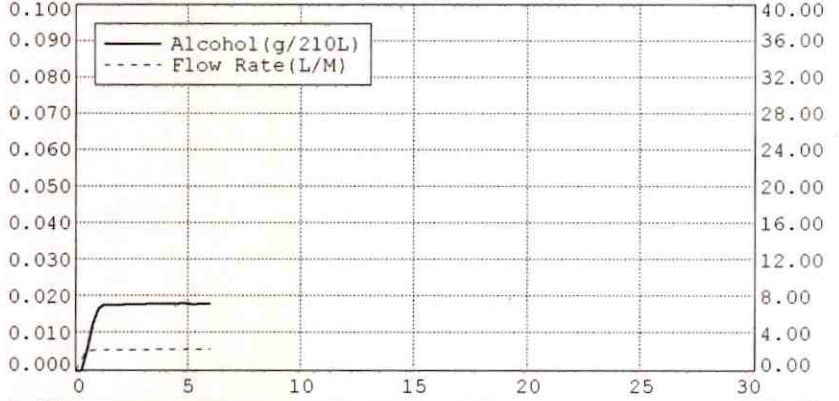
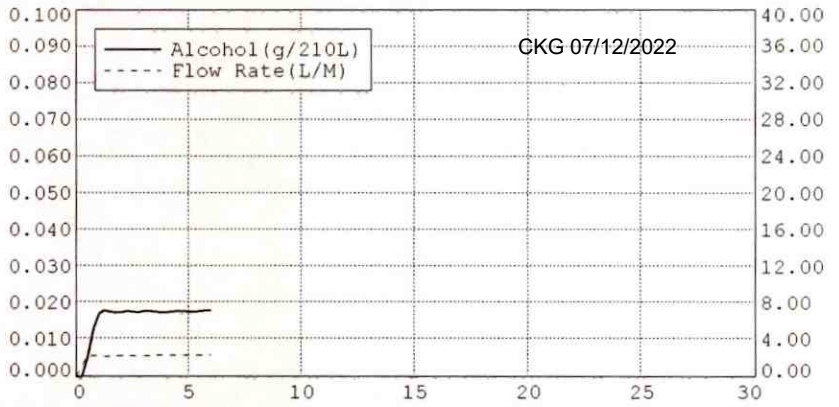
SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.55: 0.020
TANK PRESSURE: 1177 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:31 |
| INTERNAL STANDARD | VERIFIED | 09:31 |
| EXTERNAL STANDARD | 0.019 | 09:31 |
| BLANK TEST | 0.000 | 09:32 |
| EXTERNAL STANDARD | 0.019 | 09:32 |
| BLANK TEST | 0.000 | 09:33 |
| EXTERNAL STANDARD | 0.019 | 09:33 |
| BLANK TEST | 0.000 | 09:34 |
| EXTERNAL STANDARD | 0.019 | 09:34 |
| BLANK TEST | 0.000 | 09:35 |
| EXTERNAL STANDARD | 0.020 | 09:35 |
| BLANK TEST | 0.000 | 09:36 |

Average = 0.0192
Std Dev = 0.0004

Lot # AG217902
Tank # 004
Exp. 28 Jun ~~2024~~ 2024
TAL 07/12/2022



DIAGNOSTIC RECORD

CKG 07/12/2022

 Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 07/12/2022
 Time: 07:57:47

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

TEMPERATURES

Sample Chamber = 49.1°C PASSED
 (44.0°C - 52.0°C)
 Breath Tube = 48.1°C PASSED
 (38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.52 V PASSED
 (0.92 V - 2.16 V)
 Cooler Voltage = 1.65 V PASSED
 (0.92 V - 2.16 V)
 Bias Voltage = 80 V PASSED
 (47 V - 111 V)
 Chopper Freq = 546 Hz PASSED
 (475 Hz - 575 Hz)
 Barometer = 29.5 in

PUMP INFO

Flow Rate = 3.946 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 = 0.092 0.48% (0.00% - 4.00%) PASSED

In house instrument QA
 TAL 07/12/2022

DATAMASTER dmt: 100375

Date: 07/12/2022
Time: 8:08 AM

Temperatures (°C)

Sample Cell: 48.8°C
Breath Tube: 48.1°C

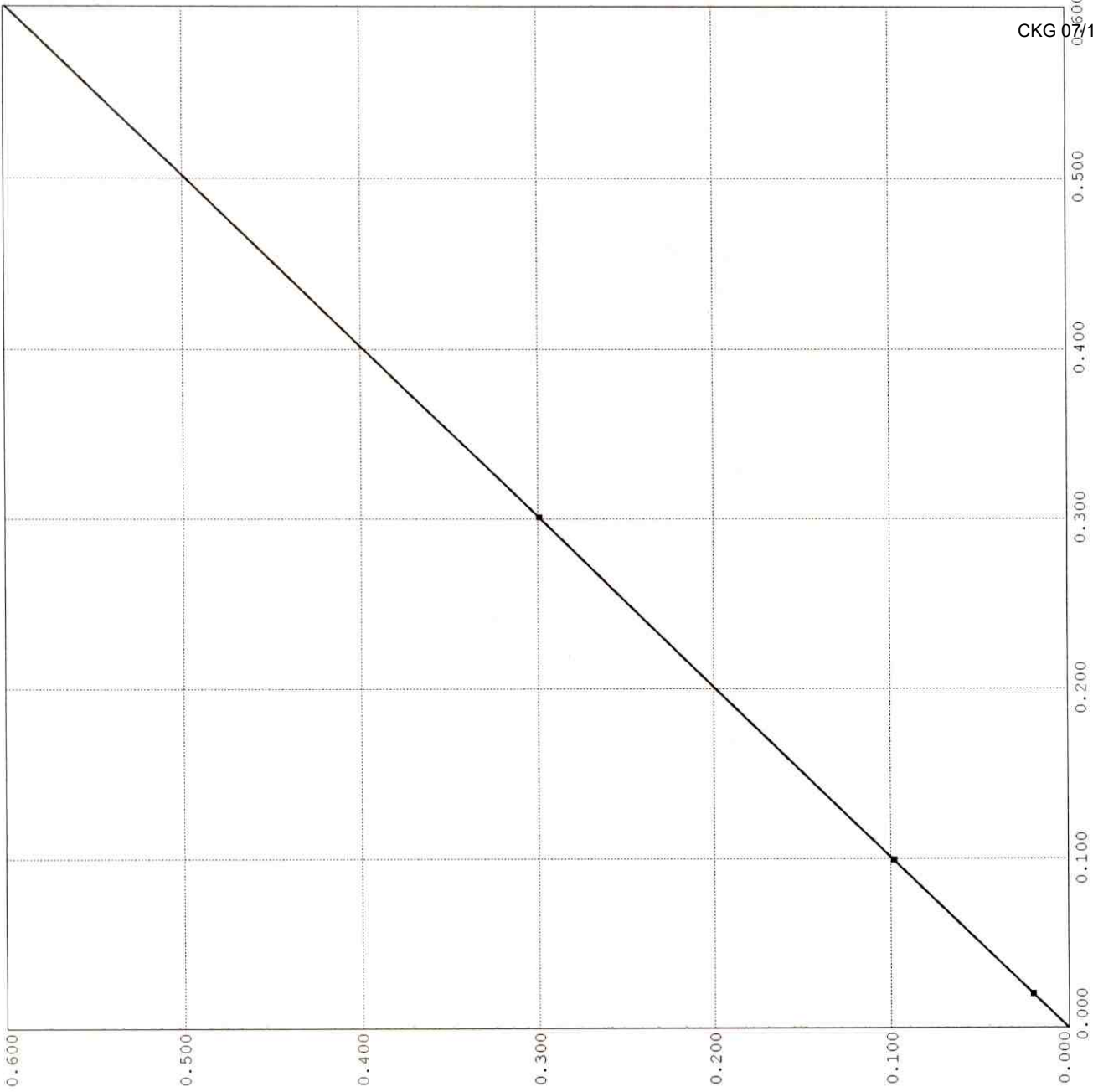
Current Barometer 29.5 in
Volume (Ltr) 0.00

Settings

Lamp: 1.52 V
Bias: 80 V
Cooler: 1.67 V
Chopper: 545 Hz

Voltages (V)

Flow: 1.05 V
Detector: -0.085 V



LINEARITY CHECK

 Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 07/12/2022
 Time: 08:16:06

SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

| TARGET | AVERAGE | STD. DEV. |
|--------|---------|-----------|
| 0.020 | 0.0206 | 0.0005 |
| 0.099 | 0.0990 | 0.0000 |
| 0.300 | 0.2998 | 0.0004 |

SLOPE = 0.997508
 R² = 0.999998

TAL

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100375

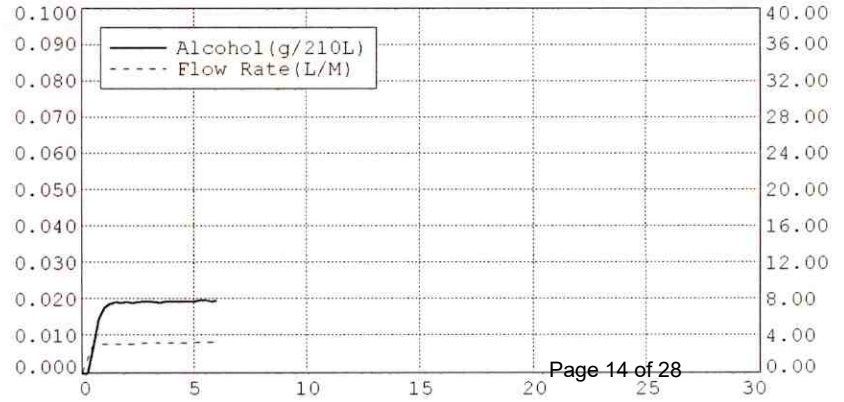
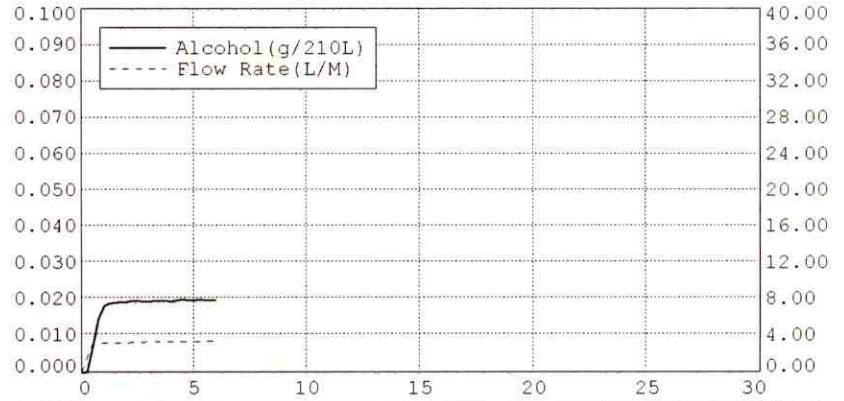
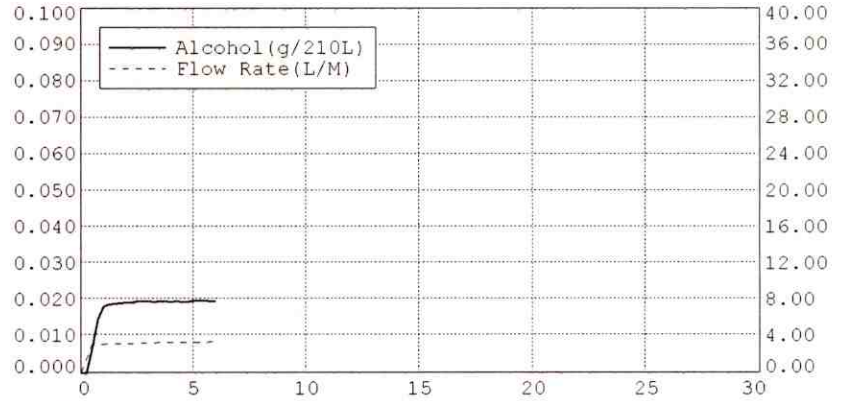
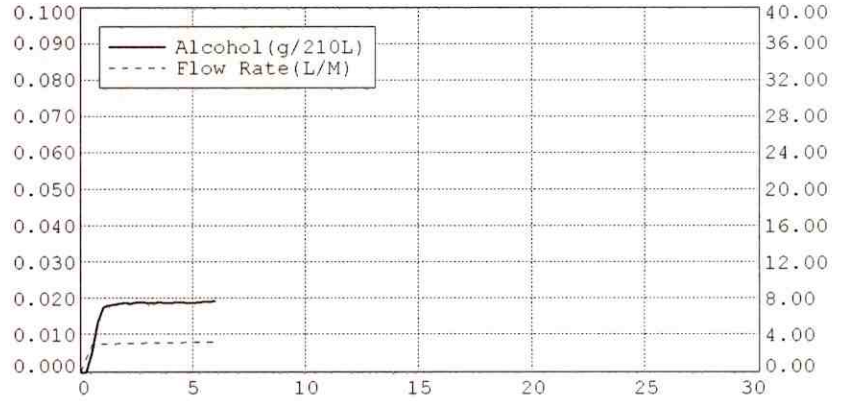
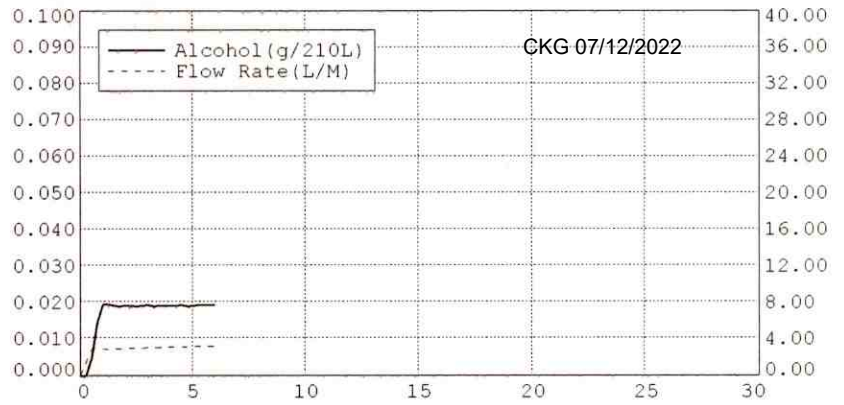
Date: 07/12/2022
Time: 08:16:07

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.55: 0.020
LOT #: AG100401
EXPIRATION: 01/04/2023
TANK PRESSURE: 451 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:17 |
| INTERNAL STANDARD | VERIFIED | 08:17 |
| EXTERNAL STANDARD | 0.020 | 08:18 |
| BLANK TEST | 0.000 | 08:18 |
| EXTERNAL STANDARD | 0.020 | 08:19 |
| BLANK TEST | 0.000 | 08:20 |
| EXTERNAL STANDARD | 0.021 | 08:20 |
| BLANK TEST | 0.000 | 08:21 |
| EXTERNAL STANDARD | 0.021 | 08:21 |
| BLANK TEST | 0.000 | 08:22 |
| EXTERNAL STANDARD | 0.021 | 08:22 |
| BLANK TEST | 0.000 | 08:23 |

Average = 0.0206
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100375

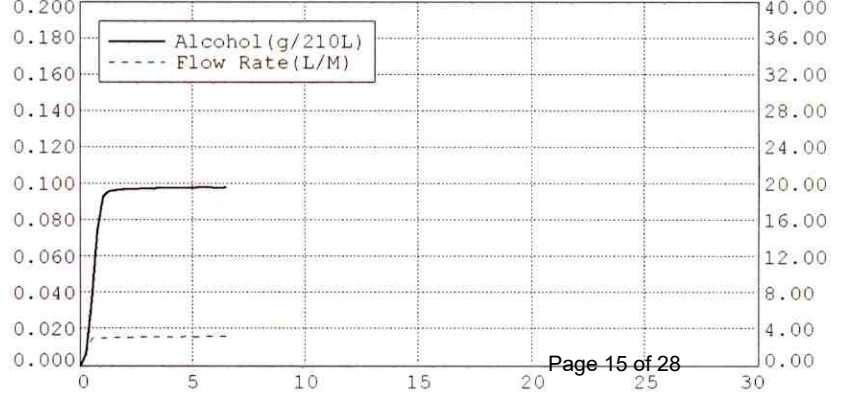
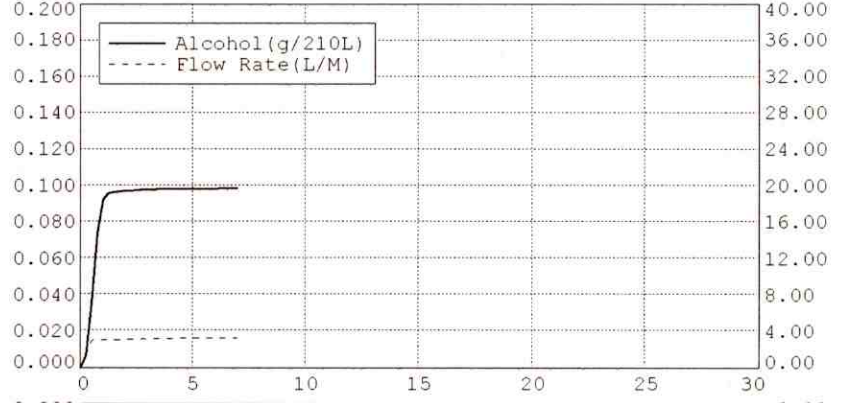
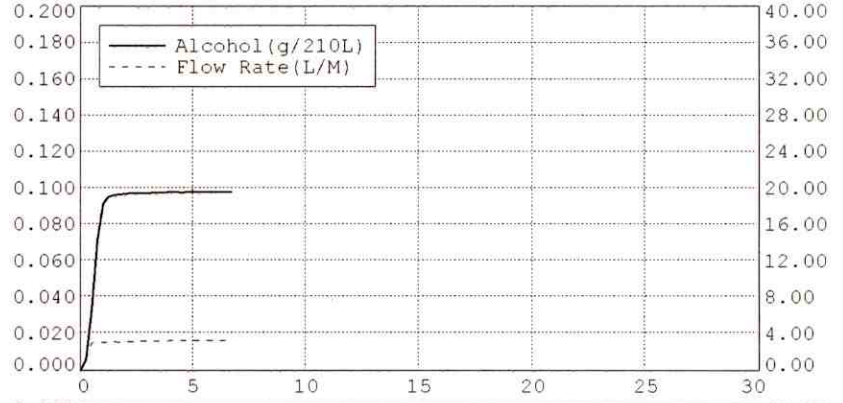
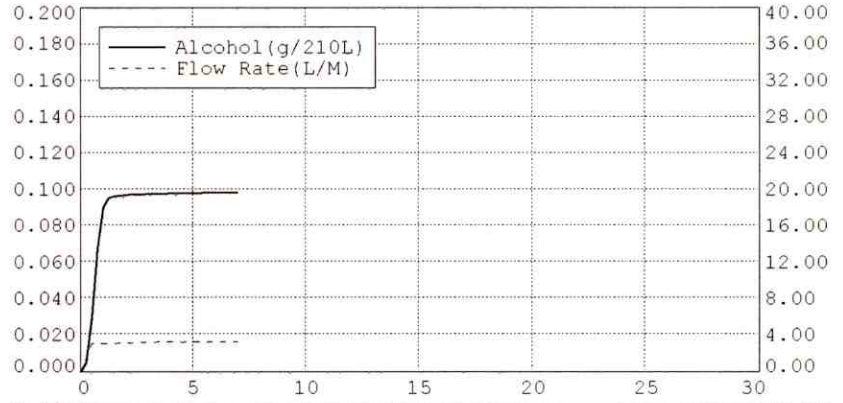
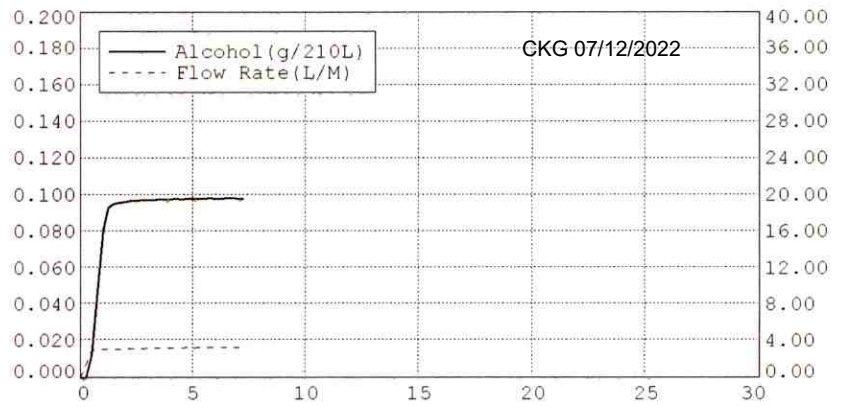
Date: 07/12/2022
Time: 08:28:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.55: 0.099
LOT #: AG108404
EXPIRATION: 03/25/2023
TANK PRESSURE: 308 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:30 |
| INTERNAL STANDARD | VERIFIED | 08:30 |
| EXTERNAL STANDARD | 0.099 | 08:30 |
| BLANK TEST | 0.000 | 08:31 |
| EXTERNAL STANDARD | 0.099 | 08:31 |
| BLANK TEST | 0.000 | 08:32 |
| EXTERNAL STANDARD | 0.099 | 08:32 |
| BLANK TEST | 0.000 | 08:33 |
| EXTERNAL STANDARD | 0.099 | 08:33 |
| BLANK TEST | 0.000 | 08:34 |
| EXTERNAL STANDARD | 0.099 | 08:34 |
| BLANK TEST | 0.000 | 08:35 |

Average = 0.0990
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

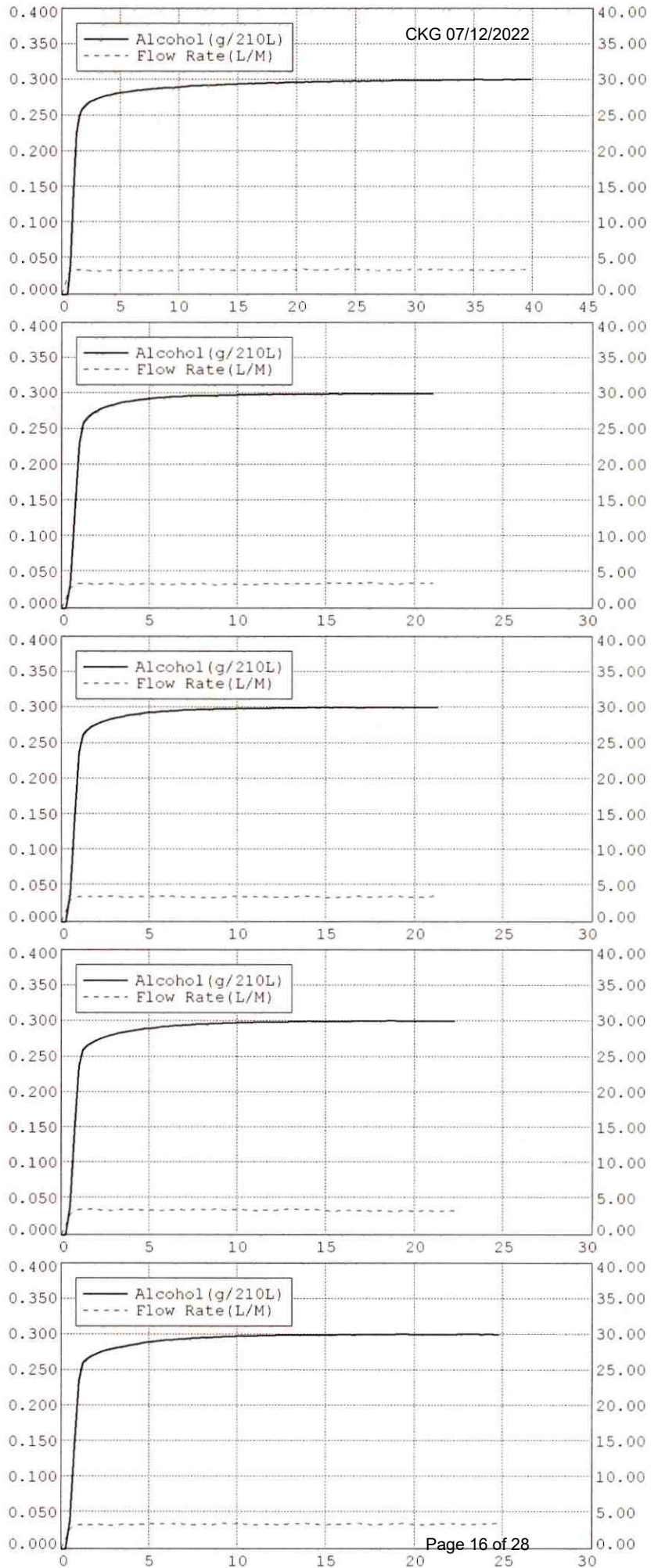
Date: 07/12/2022
 Time: 08:47:03

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

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:48 |
| INTERNAL STANDARD | VERIFIED | 08:48 |
| EXTERNAL STANDARD | 0.300 | 08:49 |
| BLANK TEST | 0.000 | 08:50 |
| EXTERNAL STANDARD | 0.299 | 08:50 |
| BLANK TEST | 0.000 | 08:51 |
| EXTERNAL STANDARD | 0.300 | 08:52 |
| BLANK TEST | 0.000 | 08:53 |
| EXTERNAL STANDARD | 0.300 | 08:53 |
| BLANK TEST | 0.000 | 08:54 |
| EXTERNAL STANDARD | 0.300 | 08:54 |
| BLANK TEST | 0.000 | 08:55 |

Average = 0.2998
 Std Dev = 0.0004

*Simulator S/N: 001176
 calibrated: 11/30/2021
 TAL 07/12/2022*



DIAGNOSTIC RECORD

CKG 07/12/2022

 Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 07/12/2022
 Time: 07:42:28

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 = 48.1°C PASSED
 (38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.77 V PASSED
 (1.01 V - 2.37 V)
 Cooler Voltage = 1.69 V PASSED
 (1.04 V - 2.44 V)
 Bias Voltage = 81 V PASSED
 (49 V - 113 V)
 Chopper Freq = 537 Hz PASSED
 (475 Hz - 575 Hz)
 Barometer = 29.5 in

PUMP INFO

Flow Rate = 4.245 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 = 0.094 0.56% (0.00% - 4.00%) PASSED

In house instrument QA
 TAL 07/12/2022

DATAMASTER dmt: 100397

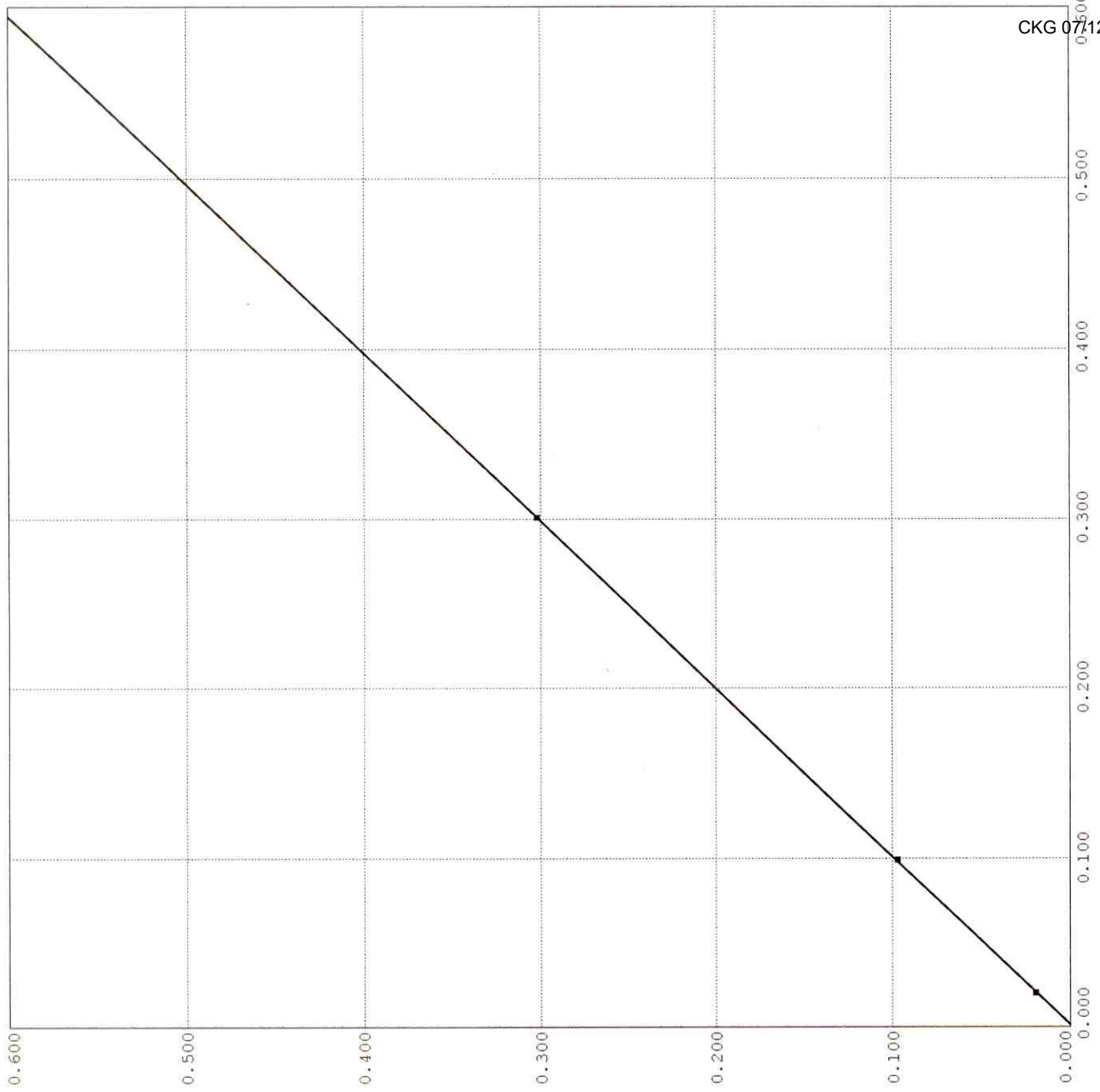
Date: 07/12/2022
Time: 7:51 AM

Temperatures (°C)
Sample Cell: 48.7°C
Breath Tube: 48.1°C

Current Barometer 29.5 in
Volume (Ltr) 0.00

Settings
Lamp: 1.77 V
Bias: 81 V
Cooler: 1.71 V
Chopper: 536 Hz

Voltages (V)
Flow: 1.06 V
Detector: -0.061 V



LINEARITY CHECK

 Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 07/12/2022
 Time: 07:59:23

SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

| TARGET | AVERAGE | STD. DEV. |
|--------|---------|-----------|
| 0.020 | 0.0200 | 0.0000 |
| 0.099 | 0.0980 | 0.0000 |
| 0.300 | 0.3028 | 0.0013 |

SLOPE = 1.011746
 R² = 0.999953

TAL

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100397

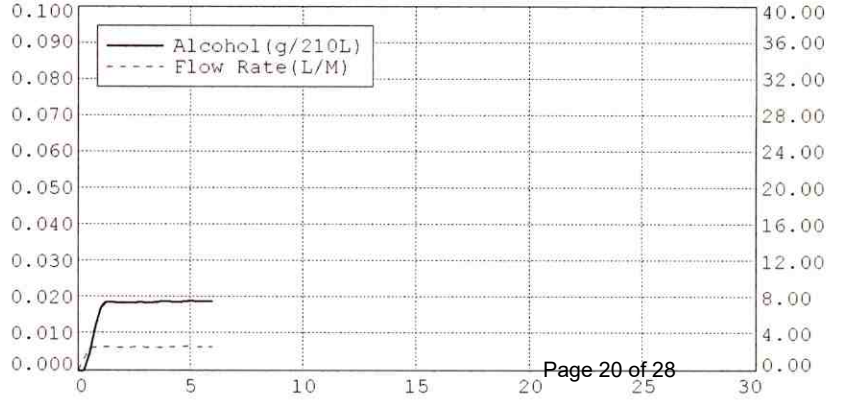
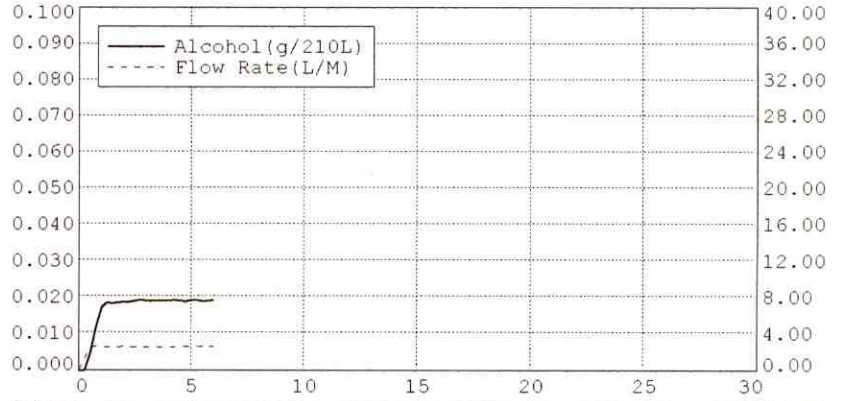
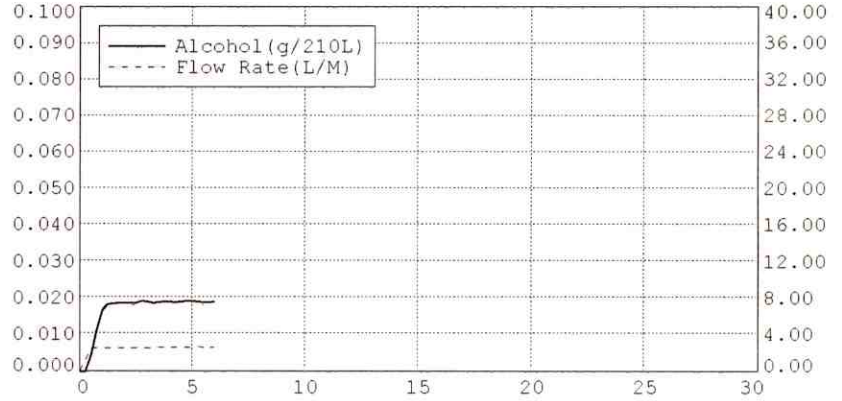
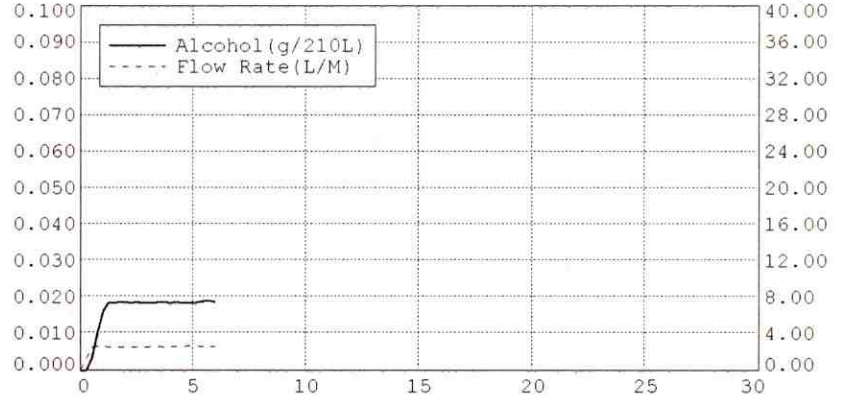
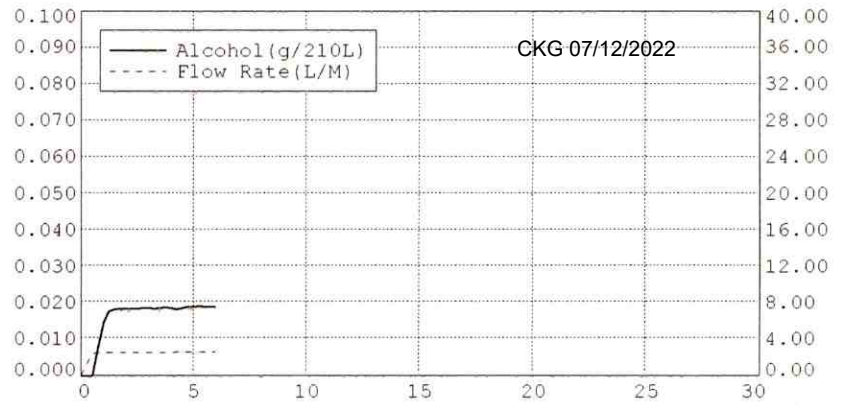
Date: 07/12/2022
Time: 07:59:25

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.55: 0.020
LOT #: AG100401
EXPIRATION: 01/04/2023
TANK PRESSURE: 674 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:01 |
| INTERNAL STANDARD | VERIFIED | 08:01 |
| EXTERNAL STANDARD | 0.020 | 08:01 |
| BLANK TEST | 0.000 | 08:02 |
| EXTERNAL STANDARD | 0.020 | 08:02 |
| BLANK TEST | 0.000 | 08:03 |
| EXTERNAL STANDARD | 0.020 | 08:03 |
| BLANK TEST | 0.000 | 08:04 |
| EXTERNAL STANDARD | 0.020 | 08:04 |
| BLANK TEST | 0.000 | 08:05 |
| EXTERNAL STANDARD | 0.020 | 08:05 |
| BLANK TEST | 0.000 | 08:06 |

Average = 0.0200
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

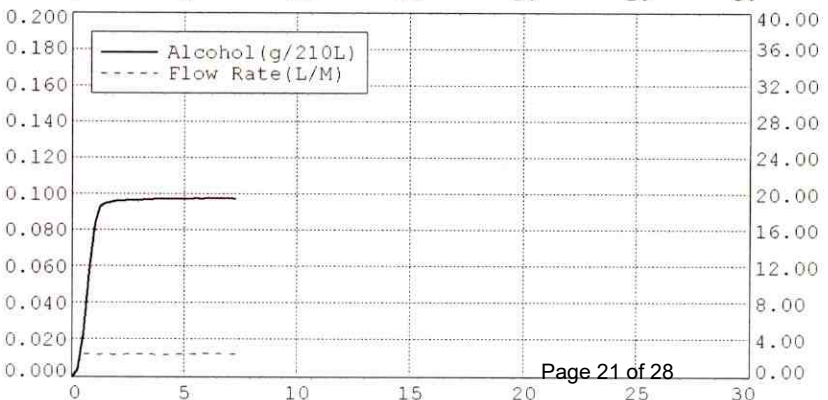
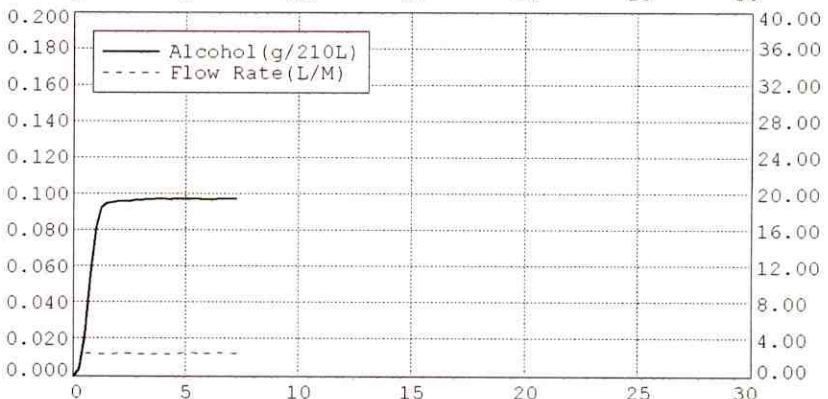
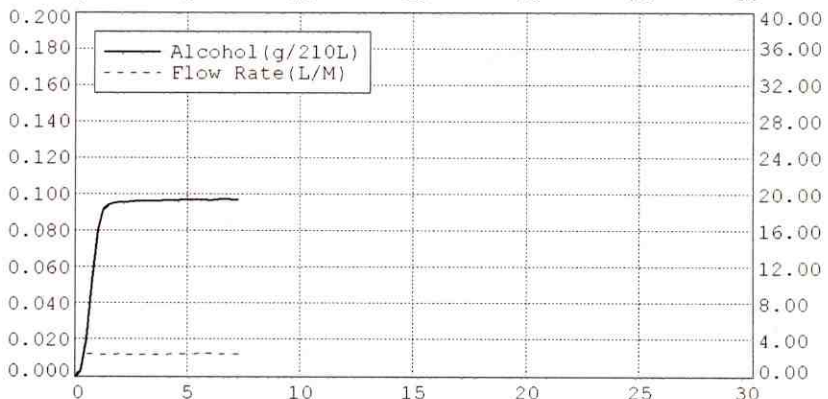
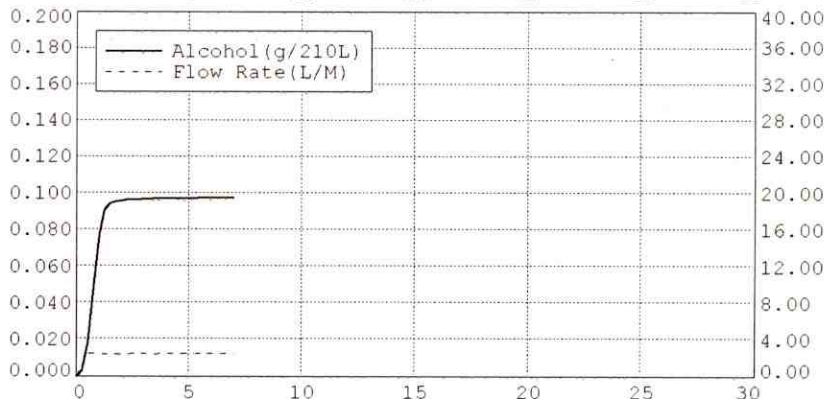
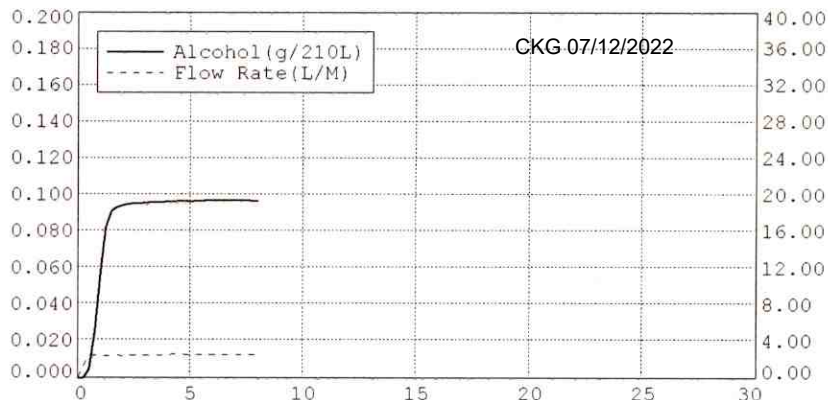
Date: 07/12/2022
 Time: 08:07:29

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.54: 0.099
 LOT #: AG108404
 EXPIRATION: 03/25/2023
 TANK PRESSURE: 412 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:08 |
| INTERNAL STANDARD | VERIFIED | 08:09 |
| EXTERNAL STANDARD | 0.098 | 08:09 |
| BLANK TEST | 0.000 | 08:10 |
| EXTERNAL STANDARD | 0.098 | 08:10 |
| BLANK TEST | 0.000 | 08:11 |
| EXTERNAL STANDARD | 0.098 | 08:11 |
| BLANK TEST | 0.000 | 08:12 |
| EXTERNAL STANDARD | 0.098 | 08:12 |
| BLANK TEST | 0.000 | 08:13 |
| EXTERNAL STANDARD | 0.098 | 08:13 |
| BLANK TEST | 0.000 | 08:14 |

Average = 0.0980
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

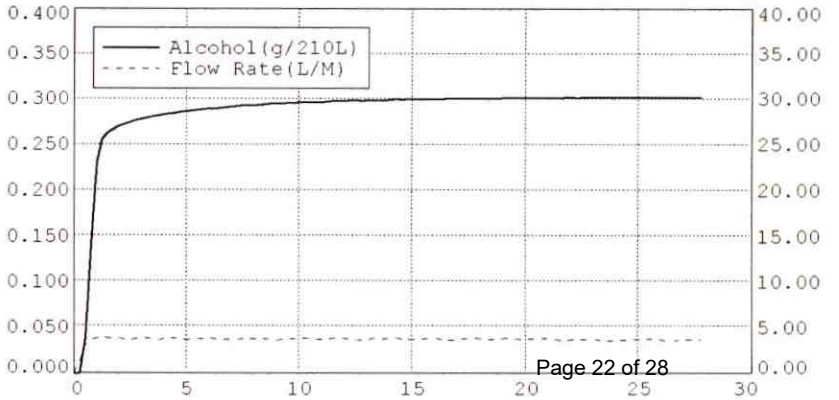
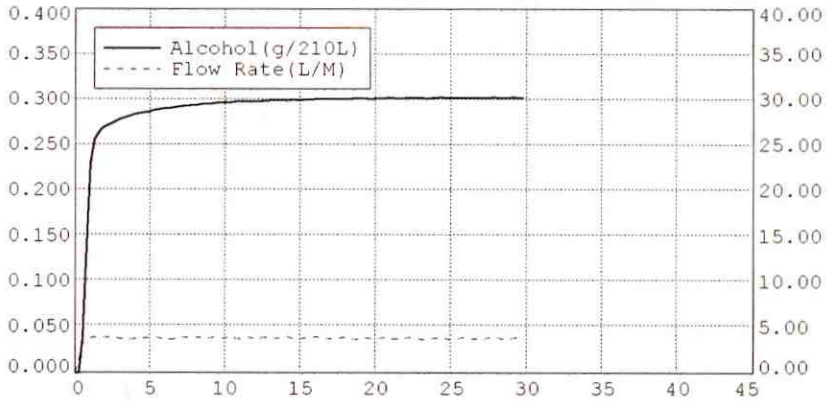
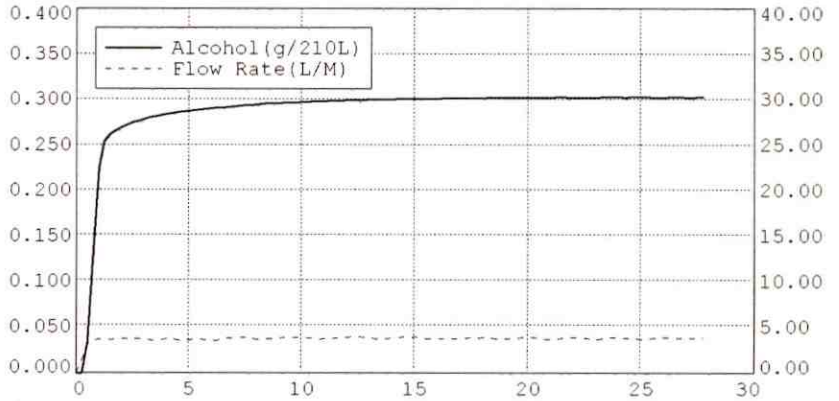
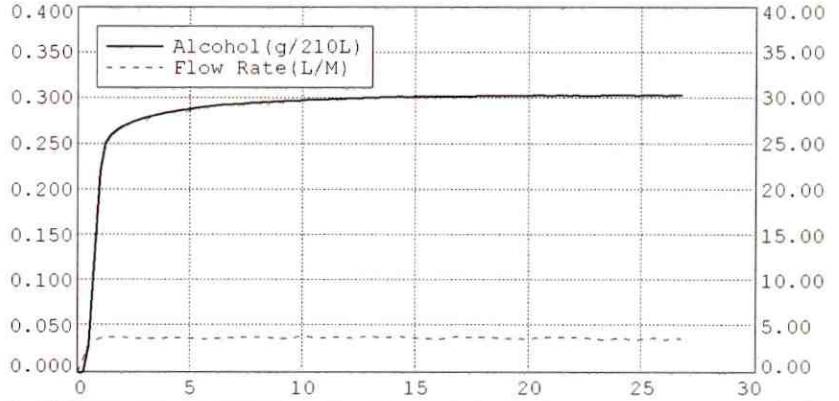
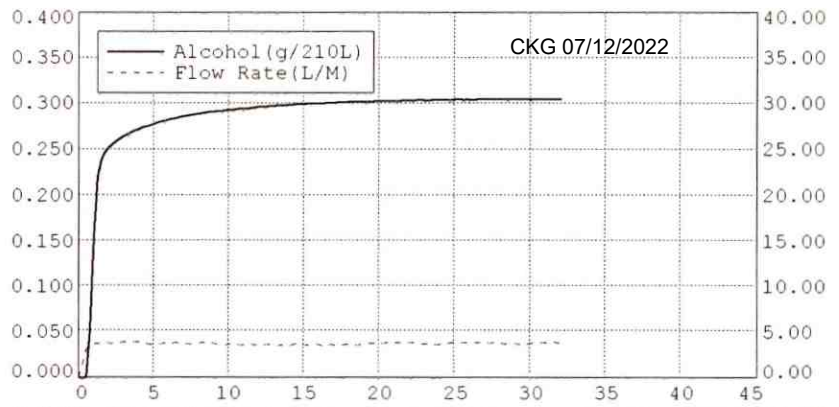
Date: 07/12/2022
 Time: 08:44:39

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

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:45 |
| INTERNAL STANDARD | VERIFIED | 08:45 |
| EXTERNAL STANDARD | 0.305 | 08:46 |
| BLANK TEST | 0.000 | 08:47 |
| EXTERNAL STANDARD | 0.303 | 08:48 |
| BLANK TEST | 0.000 | 08:49 |
| EXTERNAL STANDARD | 0.302 | 08:49 |
| BLANK TEST | 0.000 | 08:50 |
| EXTERNAL STANDARD | 0.302 | 08:51 |
| BLANK TEST | 0.000 | 08:52 |
| EXTERNAL STANDARD | 0.302 | 08:52 |
| BLANK TEST | 0.000 | 08:53 |

Average = 0.3028
 Std Dev = 0.0013

*Simulator S/N: SD1176
 calibrated: 11/30/2021
 TAL 07/12/2022*



DIAGNOSTIC RECORD

CKG 07/12/2022

 Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 07/12/2022
 Time: 07:42:08

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 = 48.1°C PASSED
 (38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.71 V PASSED
 (1.00 V - 2.32 V)
 Cooler Voltage = 1.65 V PASSED
 (0.99 V - 2.31 V)
 Bias Voltage = 81 V PASSED
 (49 V - 113 V)
 Chopper Freq = 525 Hz PASSED
 (475 Hz - 575 Hz)
 Barometer = 29.6 in

PUMP INFO

Flow Rate = 4.573 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 = 0.085 0.52% (0.00% - 4.00%) PASSED

*In house instrument QA
 TAL 07/12/2022*

DATAMASTER dmt: 100399

Date: 07/12/2022
Time: 7:49 AM

Temperatures (°C)

Sample Cell: 48.8°C
Breath Tube: 48.1°C

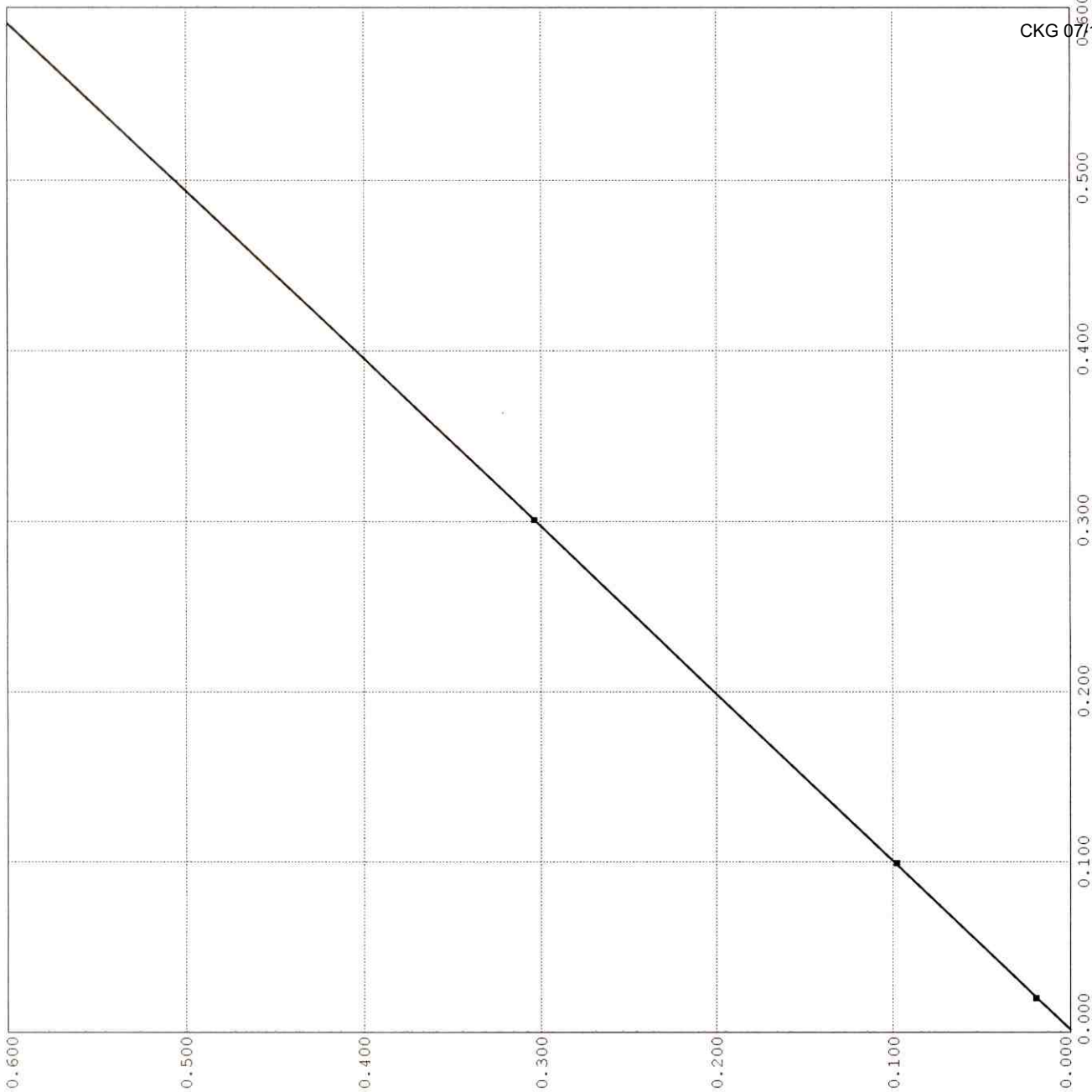
Current Barometer 29.5 in
Volume (Ltr) 0.00

Settings

Lamp: 1.71 V
Bias: 81 V
Cooler: 1.65 V
Chopper: 524 Hz

Voltages (V)

Flow: 1.06 V
Detector: -0.066 V



LINEARITY CHECK

 Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 07/12/2022
 Time: 08:08:29

SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

| TARGET | AVERAGE | STD. DEV. |
|--------|---------|-----------|
| 0.020 | 0.0198 | 0.0004 |
| 0.099 | 0.0988 | 0.0004 |
| 0.300 | 0.3044 | 0.0015 |

SLOPE = 1.017695
 R² = 0.999976

TAL

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

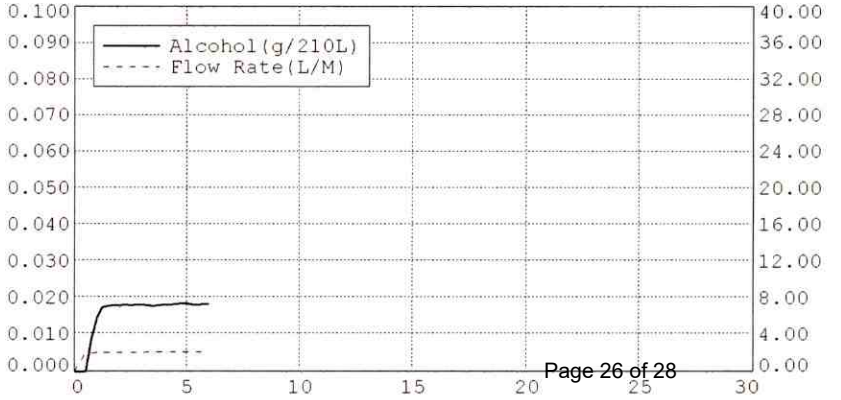
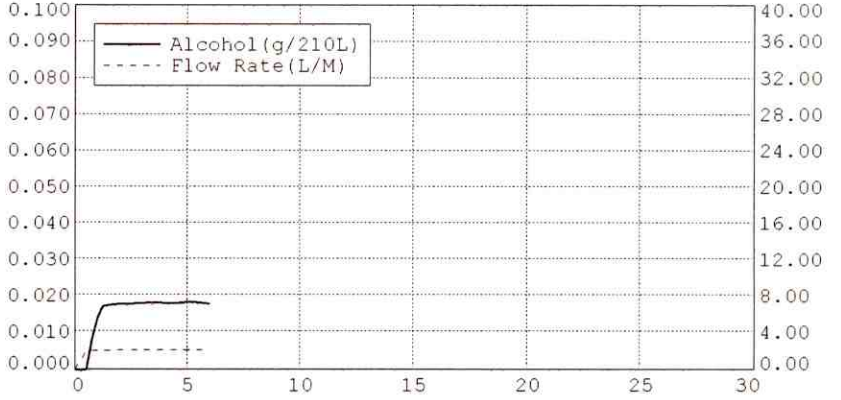
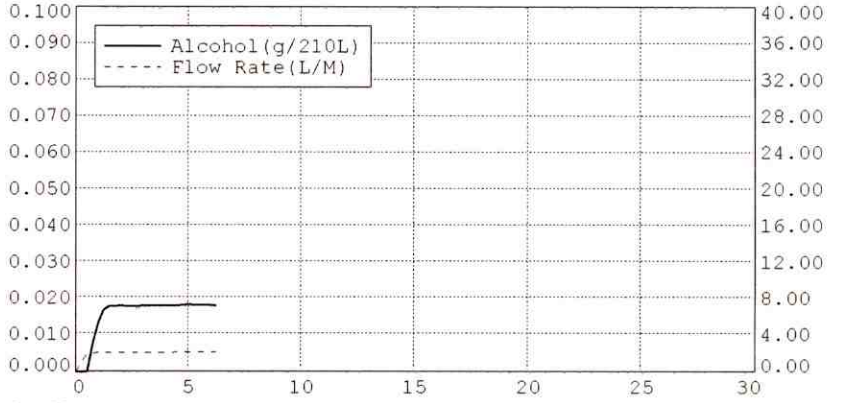
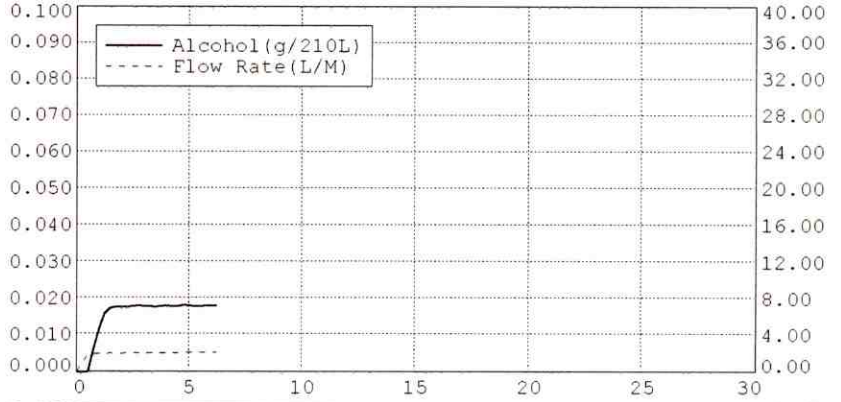
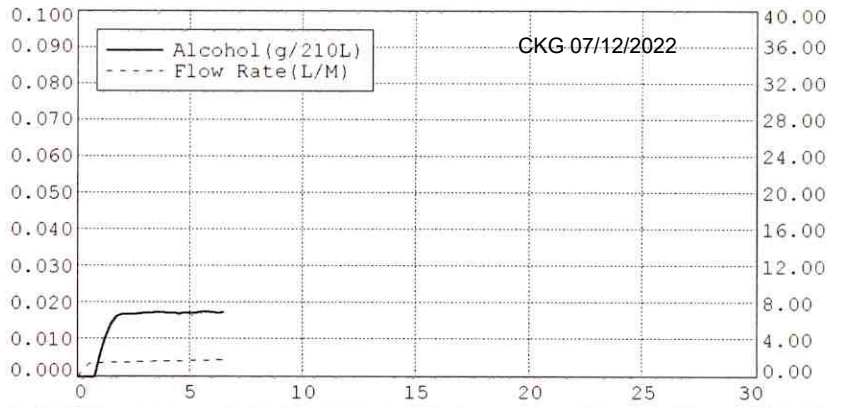
Date: 07/12/2022
 Time: 08:08:30

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.55: 0.020
 LOT #: AG100401
 EXPIRATION: 01/04/2023
 TANK PRESSURE: 673 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:13 |
| INTERNAL STANDARD | VERIFIED | 08:13 |
| EXTERNAL STANDARD | 0.019 | 08:13 |
| BLANK TEST | 0.000 | 08:14 |
| EXTERNAL STANDARD | 0.020 | 08:14 |
| BLANK TEST | 0.000 | 08:15 |
| EXTERNAL STANDARD | 0.020 | 08:16 |
| BLANK TEST | 0.000 | 08:16 |
| EXTERNAL STANDARD | 0.020 | 08:17 |
| BLANK TEST | 0.000 | 08:18 |
| EXTERNAL STANDARD | 0.020 | 08:18 |
| BLANK TEST | 0.000 | 08:19 |

Average = 0.0198
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

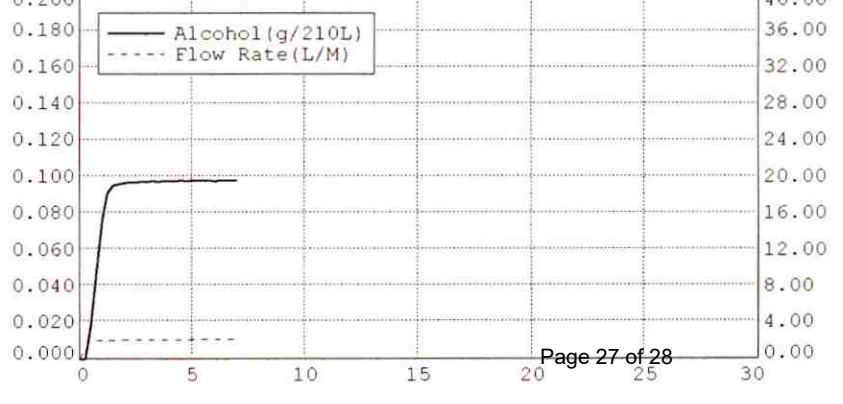
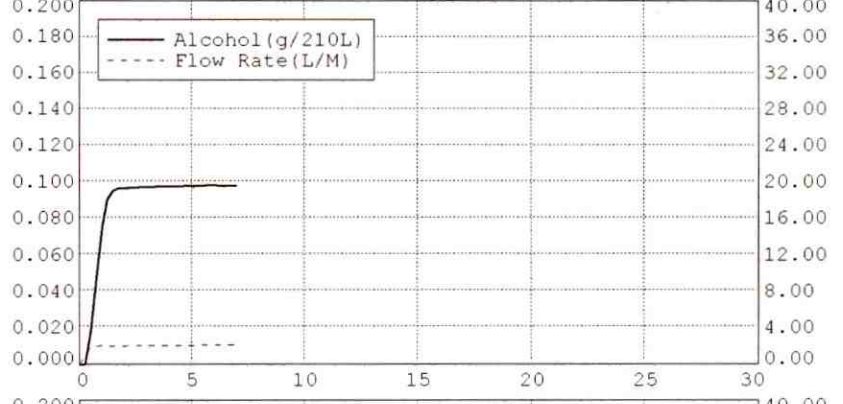
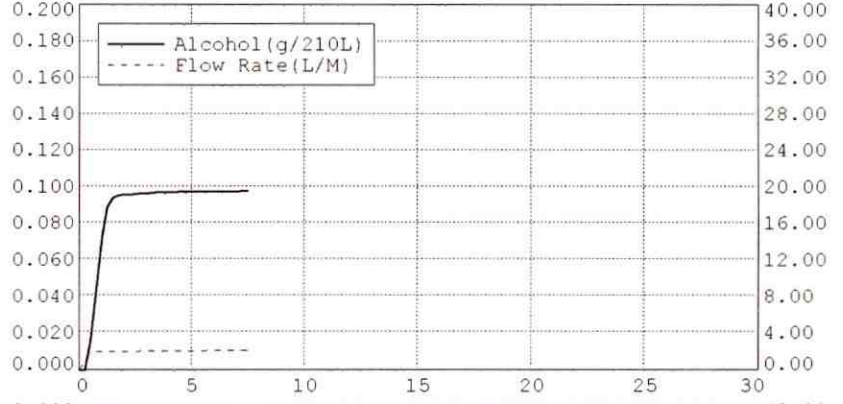
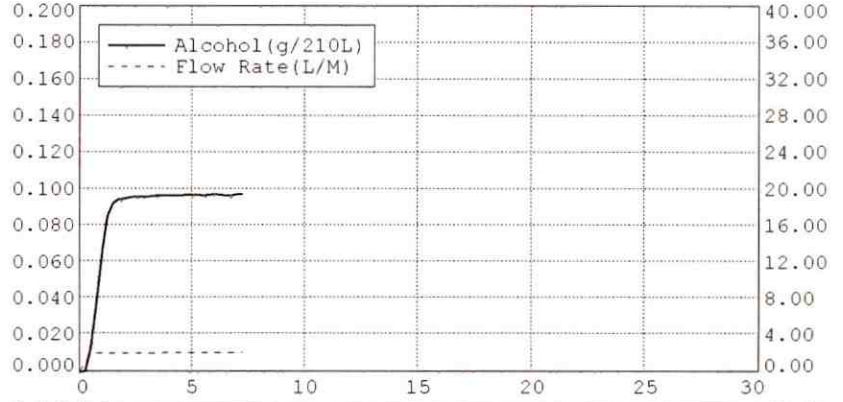
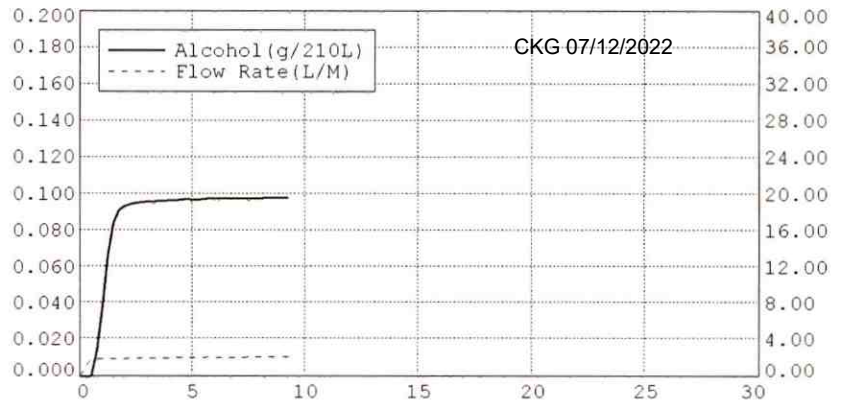
Date: 07/12/2022
 Time: 08:19:46

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.54: 0.099
 LOT #: AG108404
 EXPIRATION: 03/25/2023
 TANK PRESSURE: 401 psi

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:21 |
| INTERNAL STANDARD | VERIFIED | 08:21 |
| EXTERNAL STANDARD | 0.099 | 08:22 |
| BLANK TEST | 0.000 | 08:23 |
| EXTERNAL STANDARD | 0.098 | 08:23 |
| BLANK TEST | 0.000 | 08:24 |
| EXTERNAL STANDARD | 0.099 | 08:24 |
| BLANK TEST | 0.000 | 08:25 |
| EXTERNAL STANDARD | 0.099 | 08:25 |
| BLANK TEST | 0.000 | 08:26 |
| EXTERNAL STANDARD | 0.099 | 08:26 |
| BLANK TEST | 0.000 | 08:27 |

Average = 0.0988
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 07/12/2022
Time: 08:57:21

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

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 08:58 |
| INTERNAL STANDARD | VERIFIED | 08:58 |
| EXTERNAL STANDARD | 0.307 | 08:59 |
| BLANK TEST | 0.000 | 09:00 |
| EXTERNAL STANDARD | 0.304 | 09:00 |
| BLANK TEST | 0.000 | 09:01 |
| EXTERNAL STANDARD | 0.304 | 09:02 |
| BLANK TEST | 0.000 | 09:03 |
| EXTERNAL STANDARD | 0.304 | 09:03 |
| BLANK TEST | 0.000 | 09:04 |
| EXTERNAL STANDARD | 0.303 | 09:05 |
| BLANK TEST | 0.000 | 09:06 |

Average = 0.3044
Std Dev = 0.0015

*Simulator S/N: SD1176
calibrated: 11/30/2021
TAL 07/12/2022*

