



**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:** 29-Jun-2022

**Lot # AG217903 Model 108**

<b>Exp Date</b> 28-Jun-2024	<b>Cyl. Type</b> 108	<b>Component</b> Ethanol Nitrogen	<b>Certified Concentration</b> 0.300 ± 2% BrAC (780 ppm)
--------------------------------	-------------------------	---	---

**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

Digitally signed by: Quality Control  
 Reason: Dry gas standard certification of analysis  
 Location: Airgas USA LLC (Lab)  
 Date: 06.29.2022 17:00

**Approved for Release:**                     *Rod Marsala*                      
 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: 11:07:29

SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

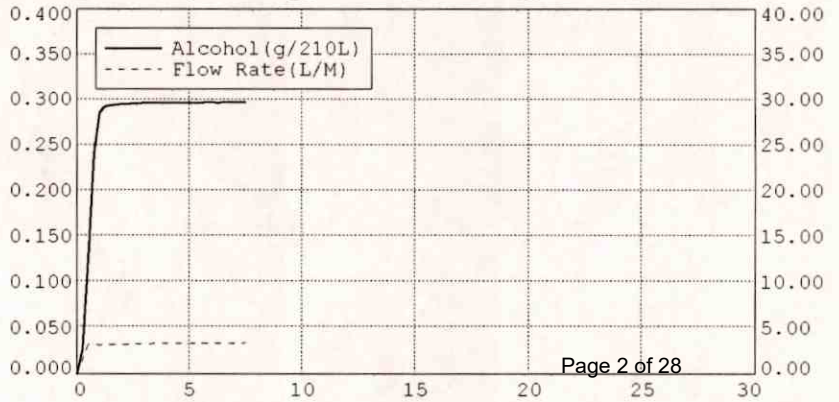
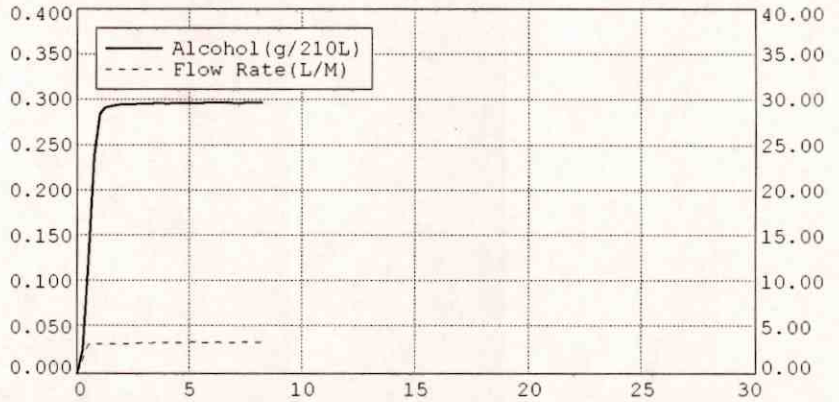
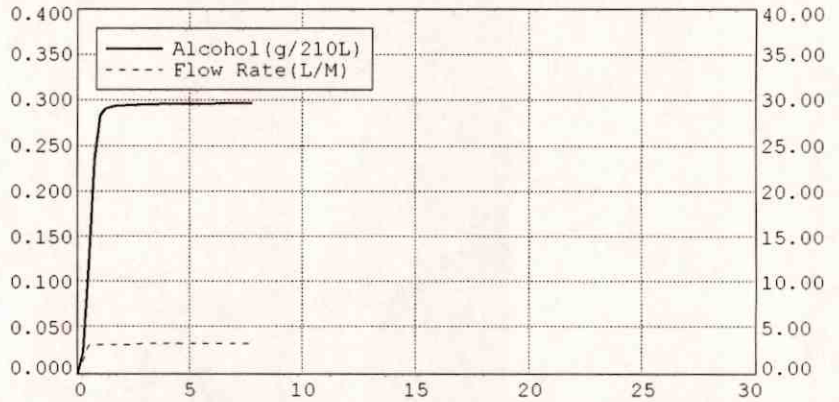
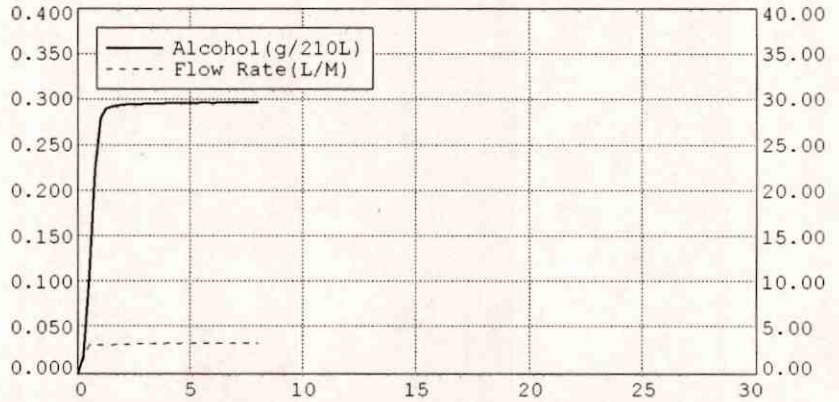
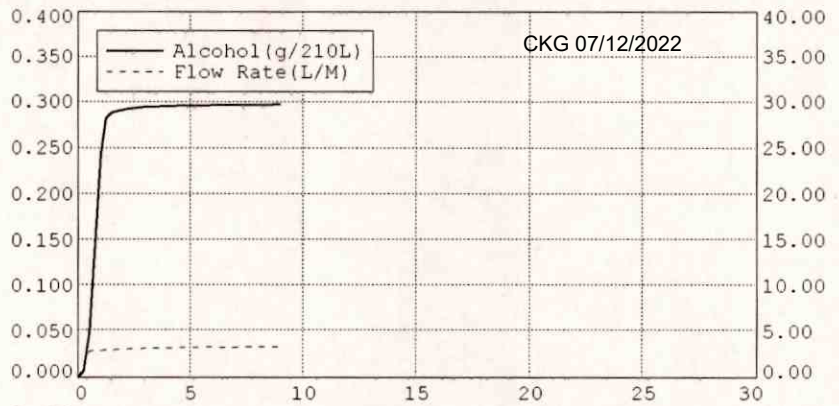
EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.300  
TARGET AT 29.55: 0.296  
TANK PRESSURE: 560 psi

BLANK TEST	0.000	11:08
INTERNAL STANDARD	VERIFIED	11:08
EXTERNAL STANDARD	0.297	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.296	11:10
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.296	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.297	11:12
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.296	11:13
BLANK TEST	0.000	11:14

Average = 0.2964  
Std Dev = 0.0005

Lot # AG217903  
Tank # 002  
Exp. 28 Jun 2024  
TAL 07/12/2022

Average: 0.297





SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100397

Date: 07/12/2022  
 Time: 10:56:12

SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 TARGET AT 29.54: 0.296  
 TANK PRESSURE: 520 psi

BLANK TEST	0.000	11:02
INTERNAL STANDARD	VERIFIED	11:02
EXTERNAL STANDARD	0.297	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.296	11:03
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.296	11:05
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.297	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.297	11:07
BLANK TEST	0.000	11:08

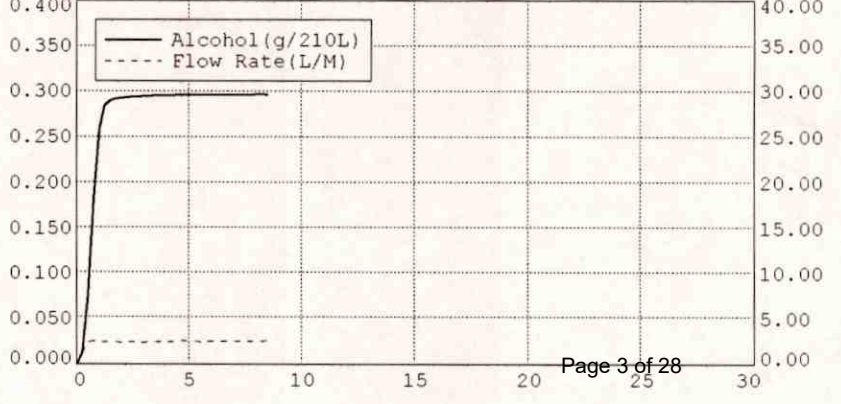
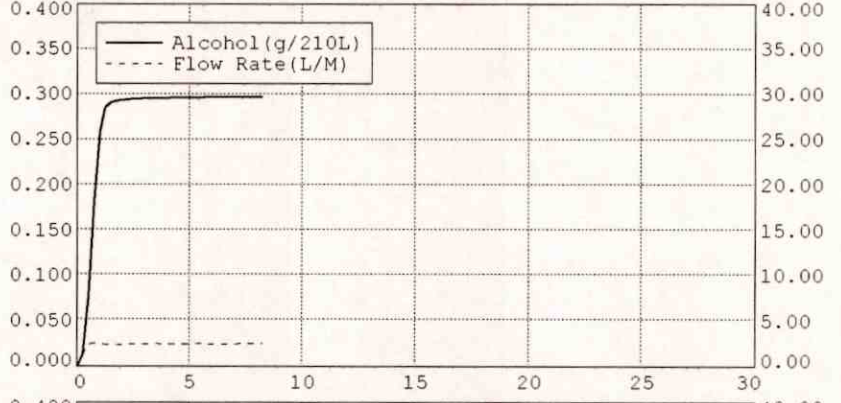
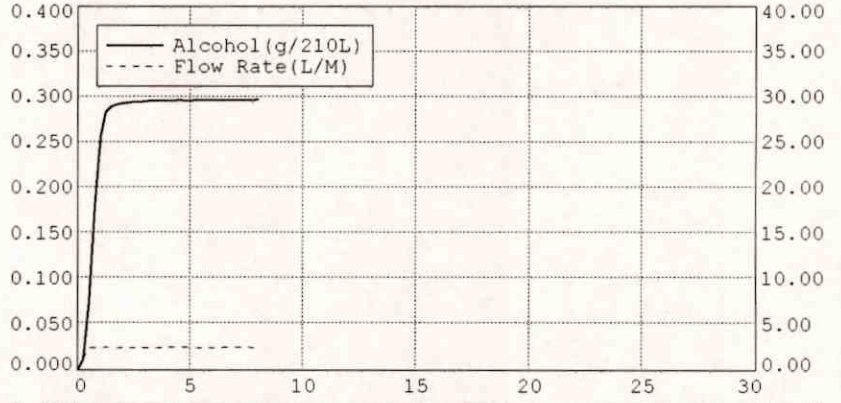
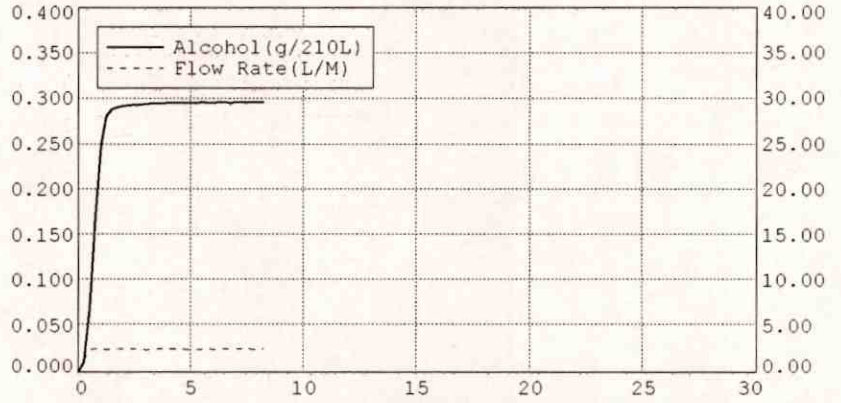
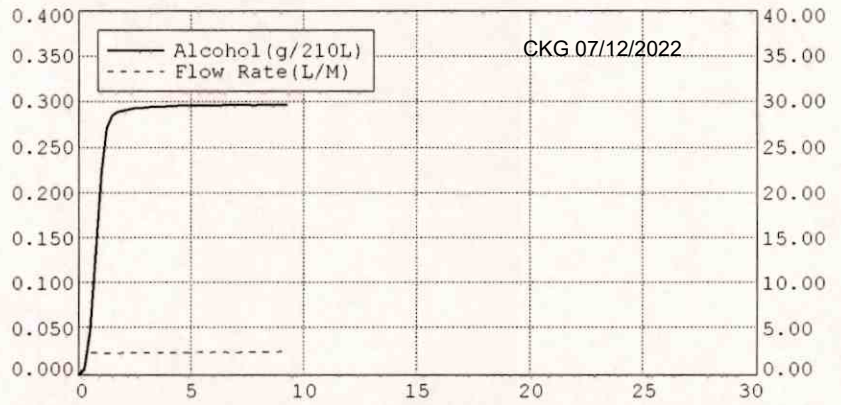
Average = 0.2966  
 Std Dev = 0.0005

Lot # AG 217903

Tank # 002

Exp. 28 Jun ~~2022~~ 2024 CKG 07/12/2022

TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100399

Date: 07/12/2022  
Time: 11:10:50

SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

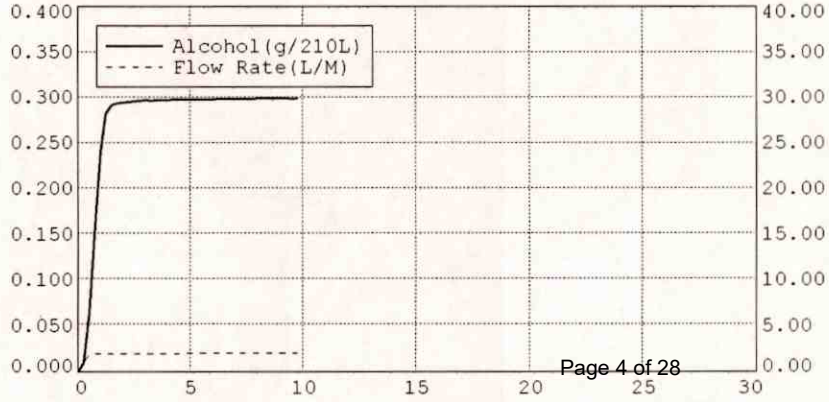
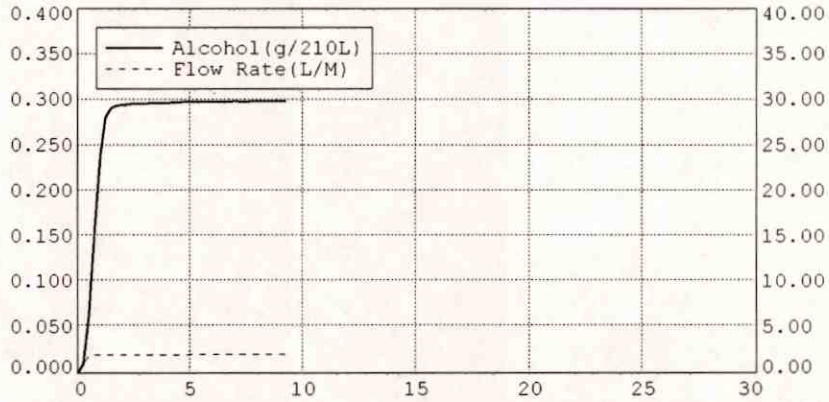
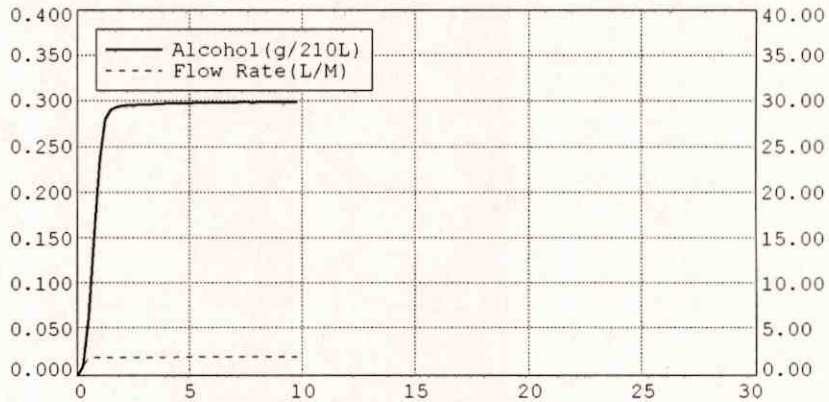
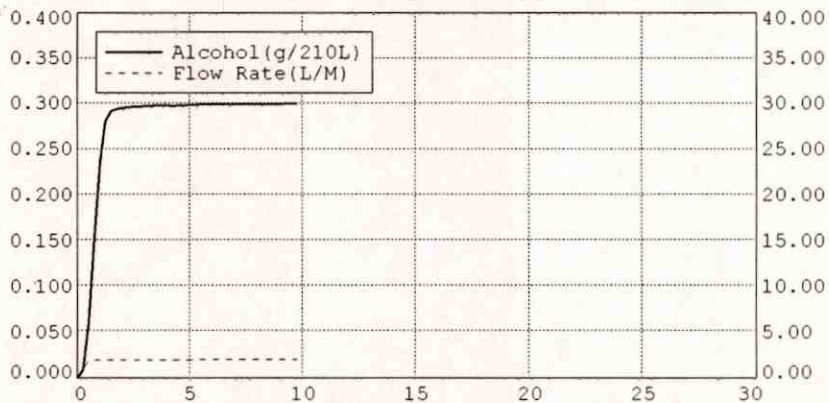
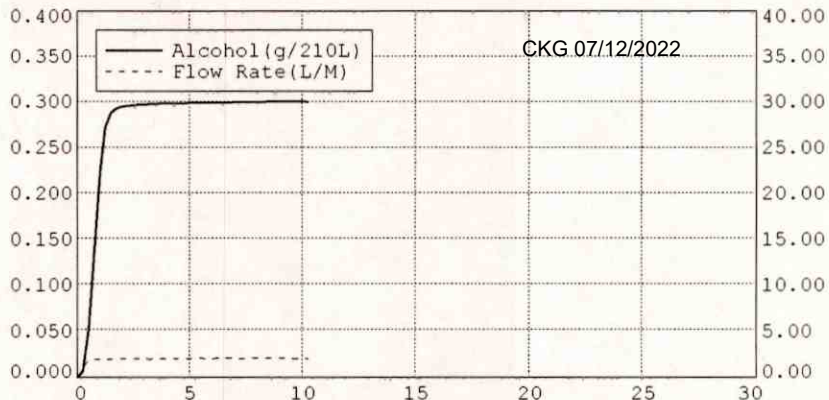
EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.300  
TARGET AT 29.55: 0.296  
TANK PRESSURE: 503 psi

BLANK TEST	0.000	11:12
INTERNAL STANDARD	VERIFIED	11:12
EXTERNAL STANDARD	0.300	11:12
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.299	11:13
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.300	11:14
BLANK TEST	0.000	11:15
EXTERNAL STANDARD	0.299	11:16
BLANK TEST	0.000	11:17
EXTERNAL STANDARD	0.299	11:17
BLANK TEST	0.000	11:18

Average = 0.2994  
Std Dev = 0.0005

LOT # AG217903  
TANK # 002  
Exp. 28 JUN 2024  
TAL 07/12/2022

AG217903 EXP 06282024





SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100375

Date: 07/12/2022  
 Time: 11:15:45

SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 TARGET AT 29.55: 0.296  
 TANK PRESSURE: 540 psi

BLANK TEST	0.000	11:19
INTERNAL STANDARD	VERIFIED	11:19
EXTERNAL STANDARD	0.298	11:20
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.296	11:21
BLANK TEST	0.000	11:22
EXTERNAL STANDARD	0.296	11:22
BLANK TEST	0.000	11:23
EXTERNAL STANDARD	0.297	11:23
BLANK TEST	0.000	11:24
EXTERNAL STANDARD	0.296	11:24
BLANK TEST	0.000	11:25

Average = 0.2966  
 Std Dev = 0.0009

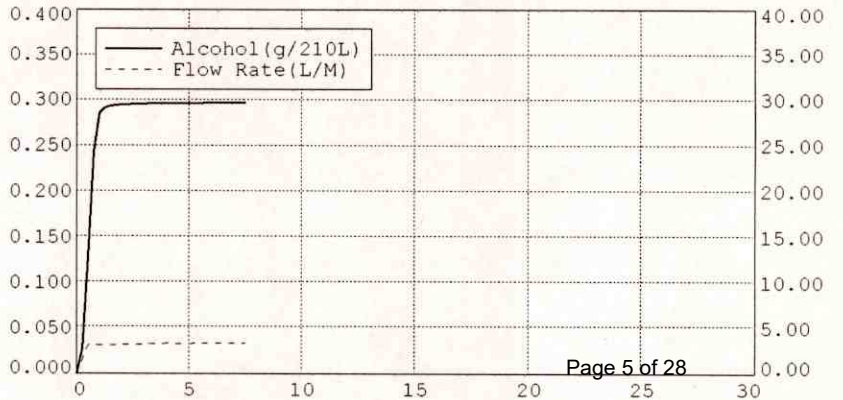
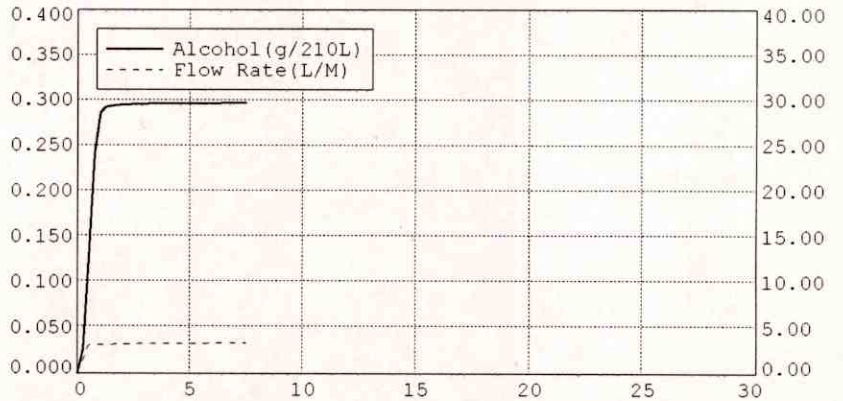
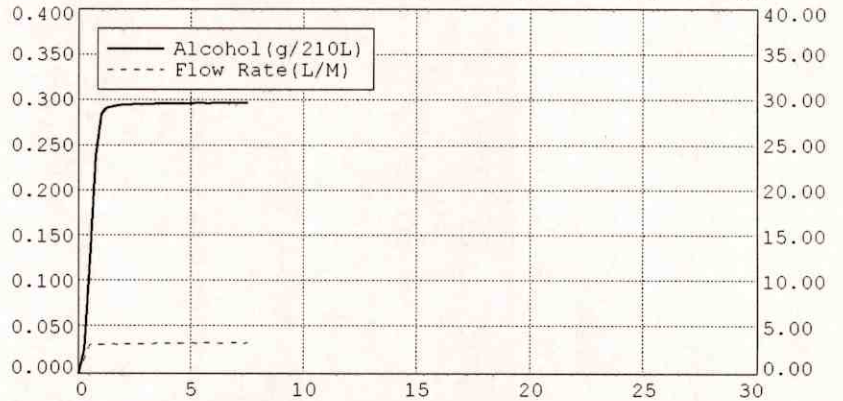
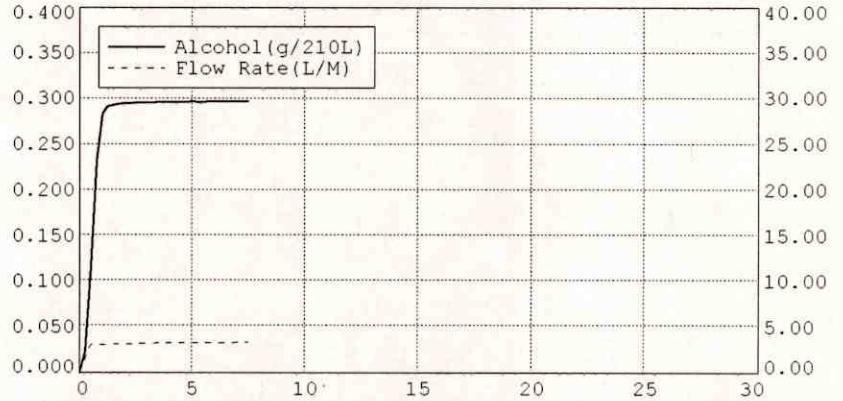
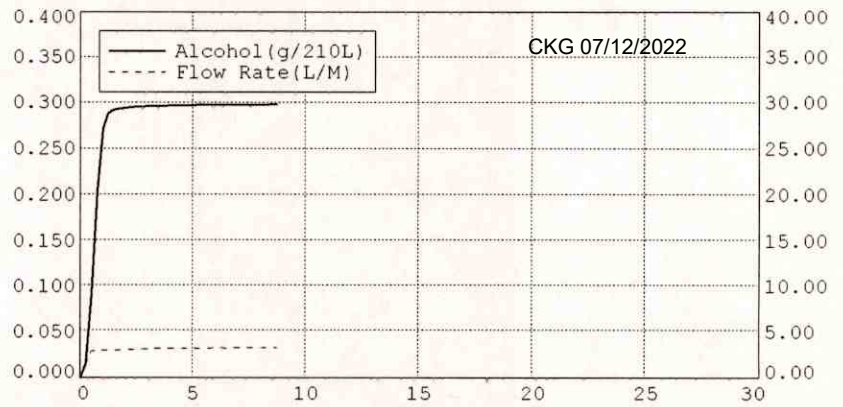
Lot # AG217903

Tank # 003

Exp. 28 Jun 2024

TAL 07/12/2022

Average: 0.297



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100397

Date: 07/12/2022  
Time: 11:09:11

SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

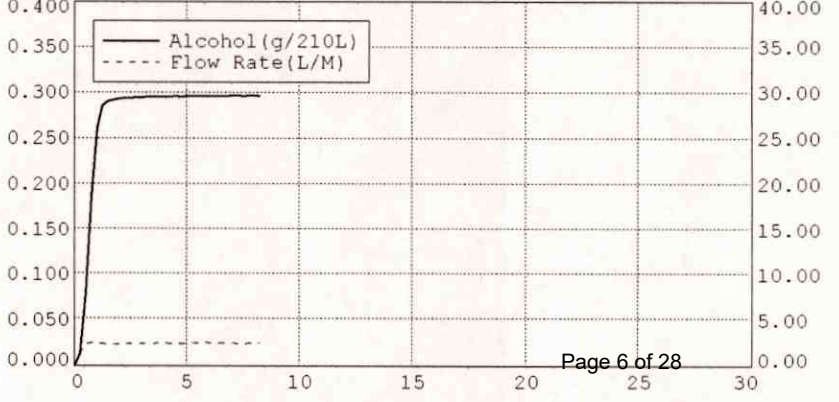
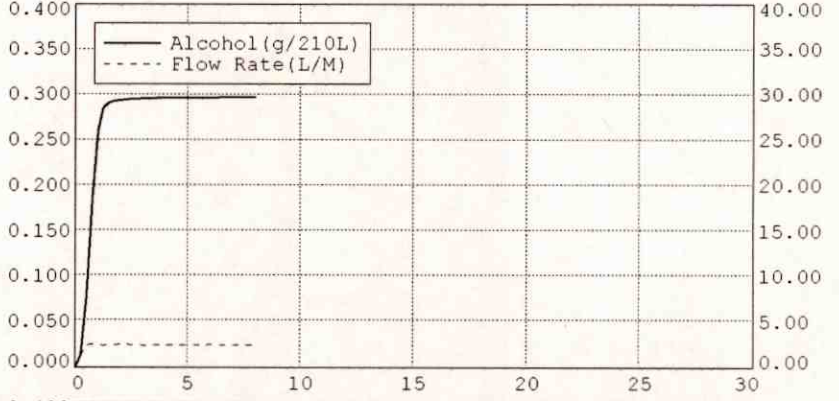
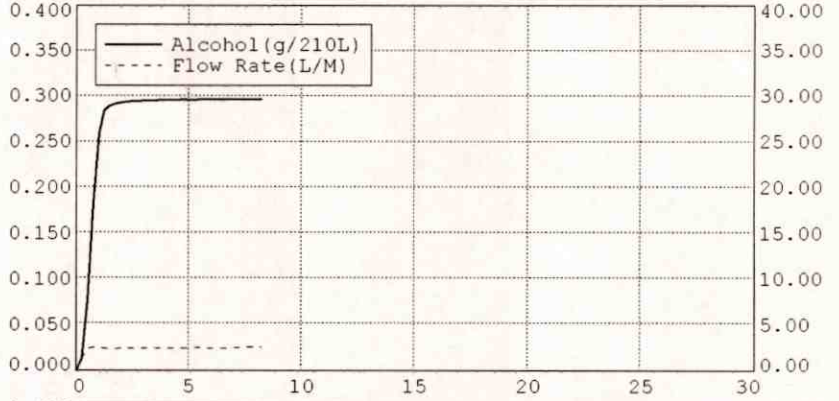
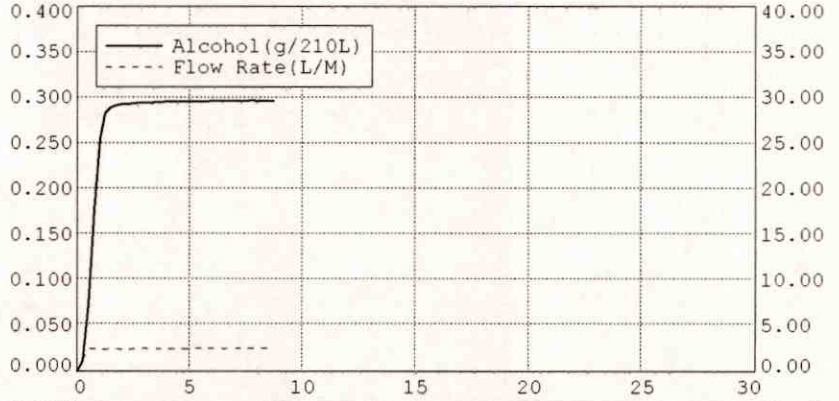
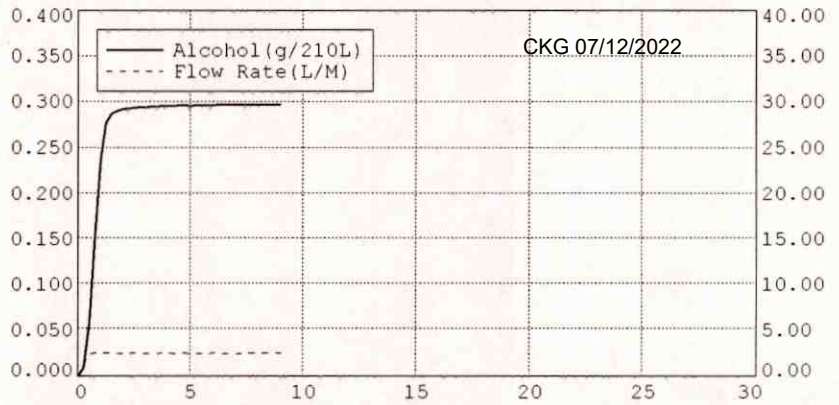
EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.300  
TARGET AT 29.55: 0.296  
TANK PRESSURE: 499 psi

BLANK TEST	0.000	11:13
INTERNAL STANDARD	VERIFIED	11:13
EXTERNAL STANDARD	0.297	11:13
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.297	11:15
BLANK TEST	0.000	11:15
EXTERNAL STANDARD	0.297	11:16
BLANK TEST	0.000	11:17
EXTERNAL STANDARD	0.297	11:17
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.297	11:18
BLANK TEST	0.000	11:19

Average = 0.2970  
Std Dev = 0.0000

Lot # AG217903  
Tank # 003  
Exp. 28 Jun 2024  
TAL 07/12/2022

AG217903 EXP 06282024





SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100399

Date: 07/12/2022  
Time: 10:53:49

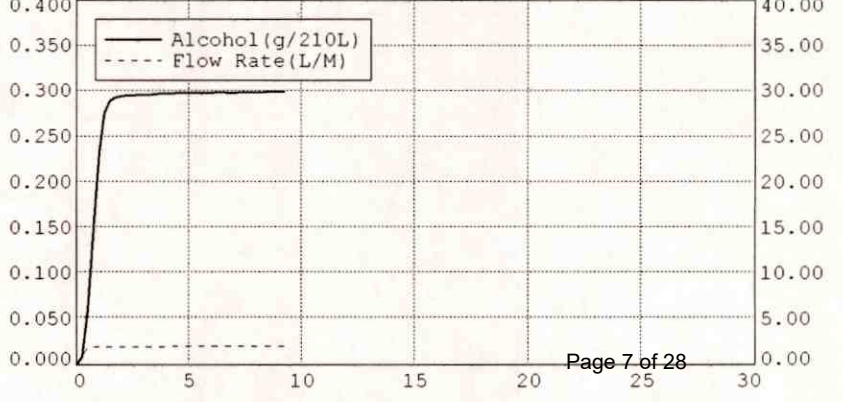
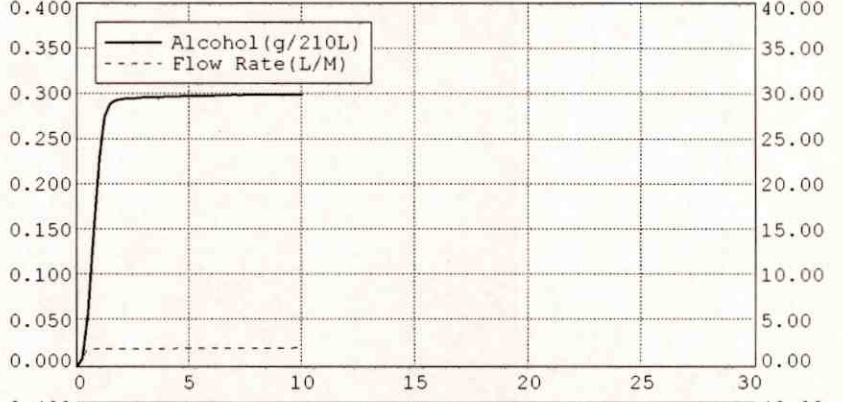
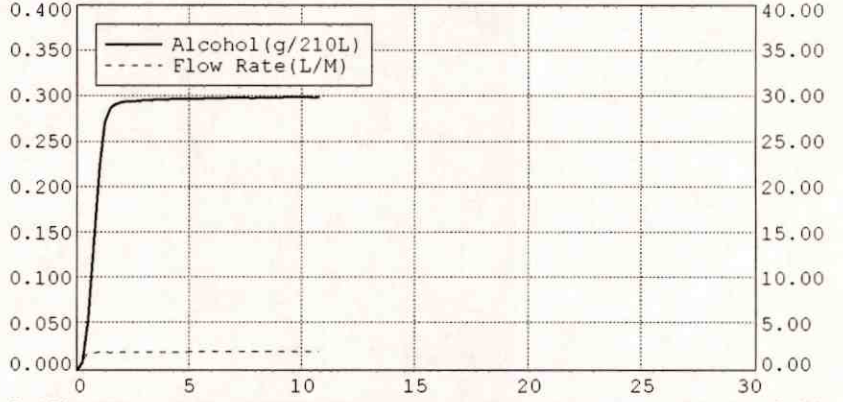
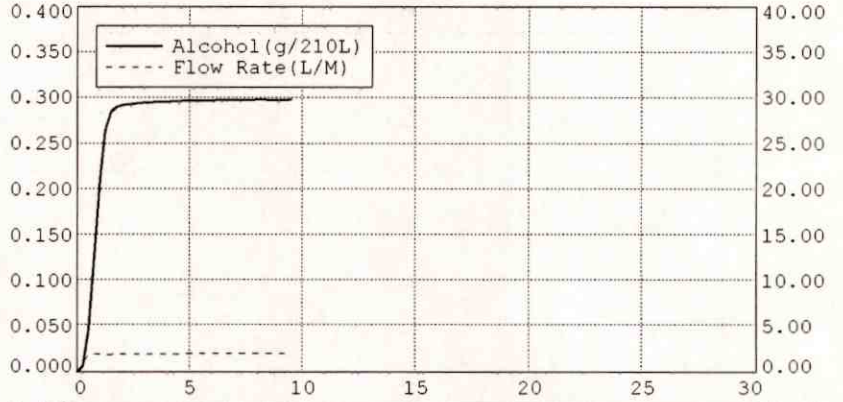
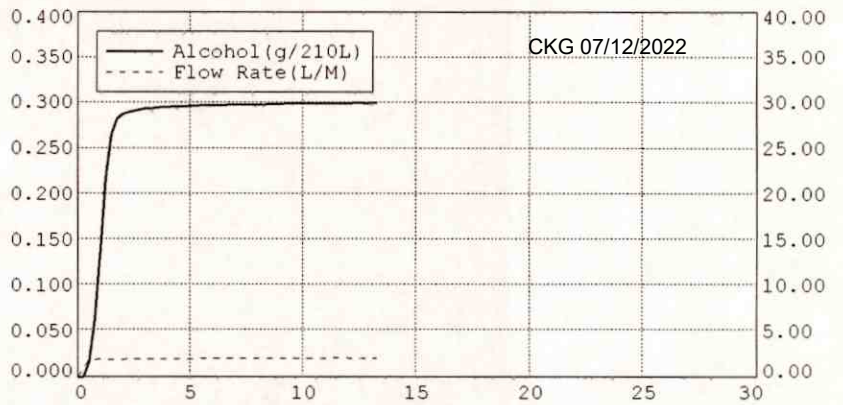
SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.300  
TARGET AT 29.55: 0.296  
TANK PRESSURE: 560 psi

BLANK TEST	0.000	10:55
INTERNAL STANDARD	VERIFIED	10:55
EXTERNAL STANDARD	0.299	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.298	10:56
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.299	10:58
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.299	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.298	11:00
BLANK TEST	0.000	11:01

Average = 0.2986  
Std Dev = 0.0005

Lot # AG217903  
Tank # 003  
Exp. 28 Jun 2024  
TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100375

Date: 07/12/2022  
 Time: 11:26:59

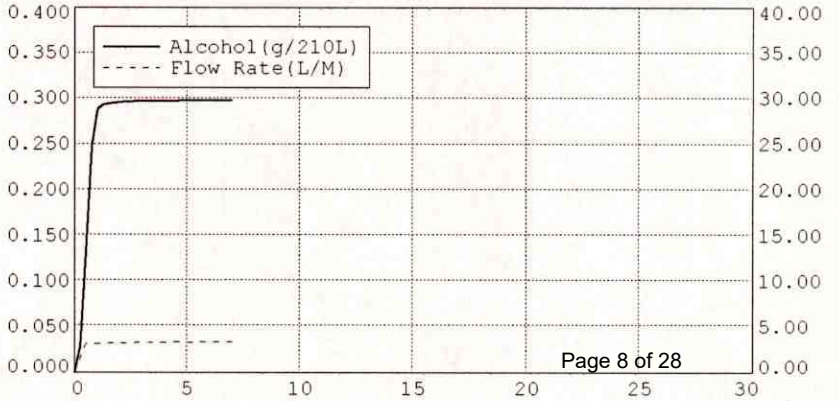
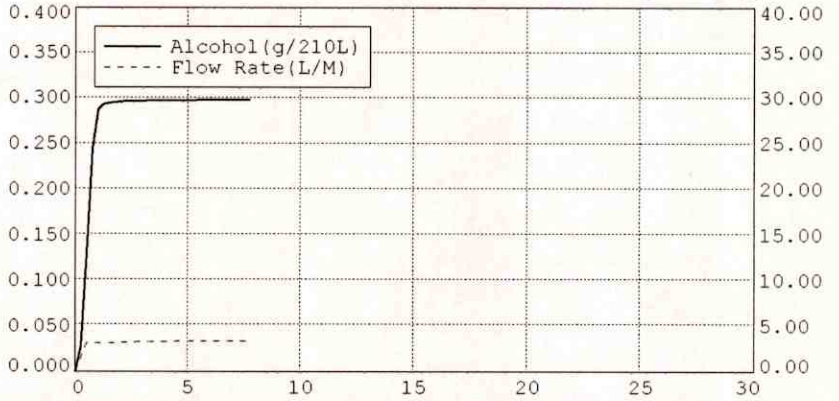
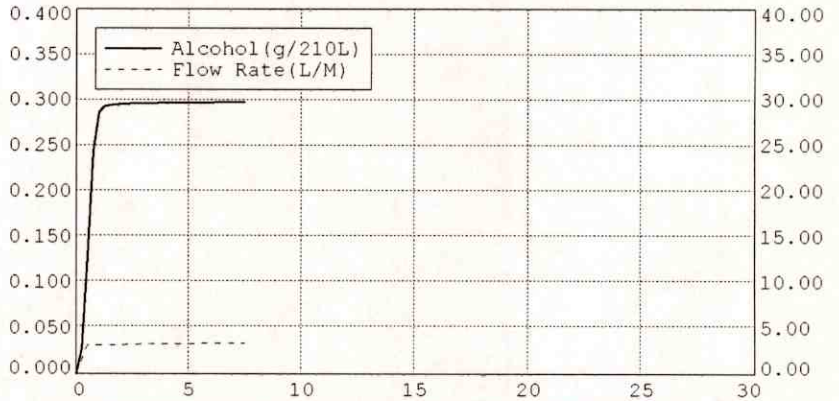
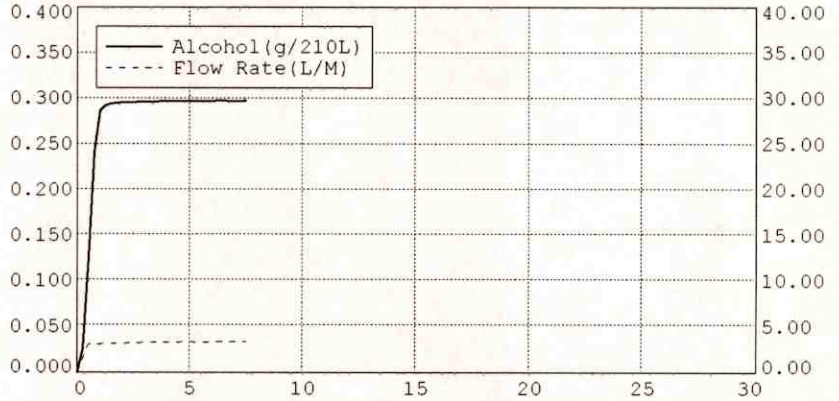
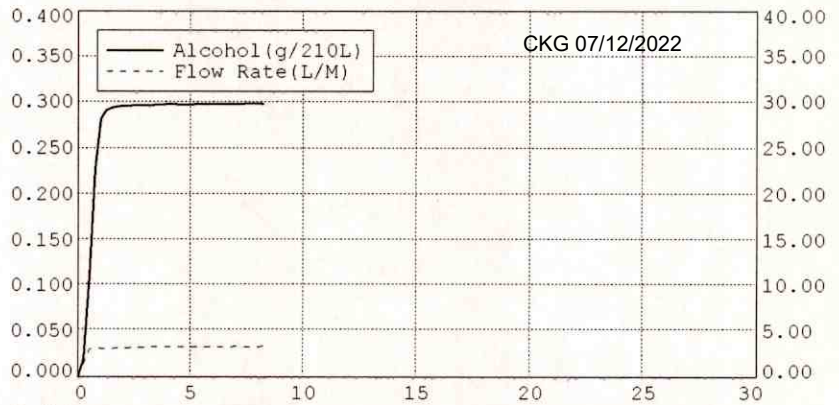
SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 TARGET AT 29.55: 0.296  
 TANK PRESSURE: 520 psi

BLANK TEST	0.000	11:28
INTERNAL STANDARD	VERIFIED	11:28
EXTERNAL STANDARD	0.297	11:28
BLANK TEST	0.000	11:29
EXTERNAL STANDARD	0.297	11:29
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.297	11:30
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.297	11:32
BLANK TEST	0.000	11:33
EXTERNAL STANDARD	0.297	11:33
BLANK TEST	0.000	11:34

Average = 0.2970  
 Std Dev = 0.0000

Lot# AG217903  
 Tank # 006  
 Exp. 28 Jun 2024  
 TAL 07/12/2022  
 Average: 0.298





SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100397

Date: 07/12/2022  
Time: 10:47:01

SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

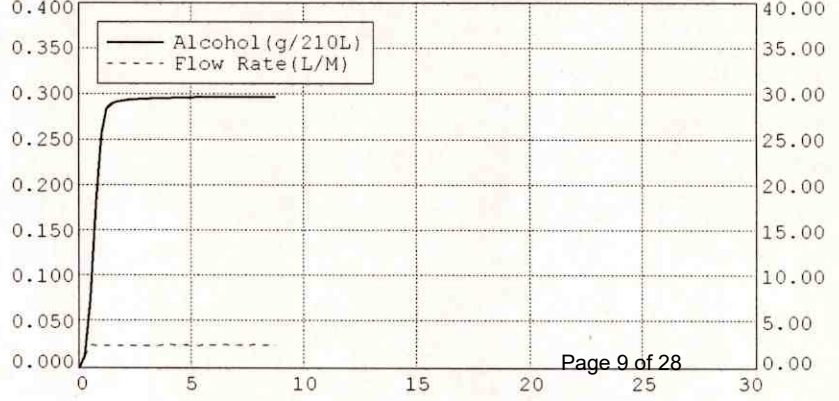
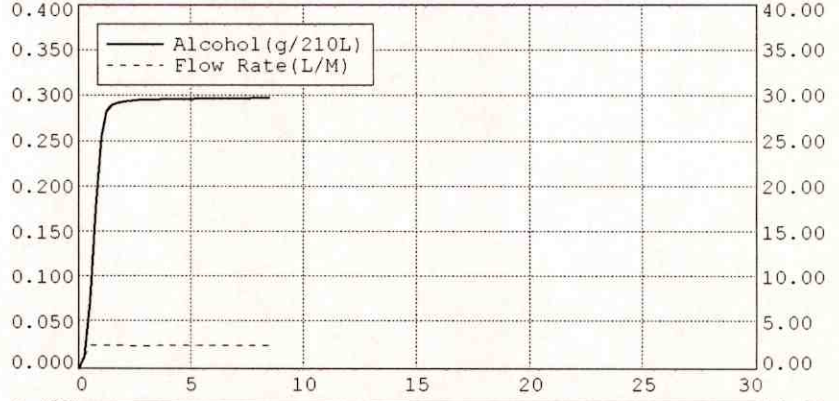
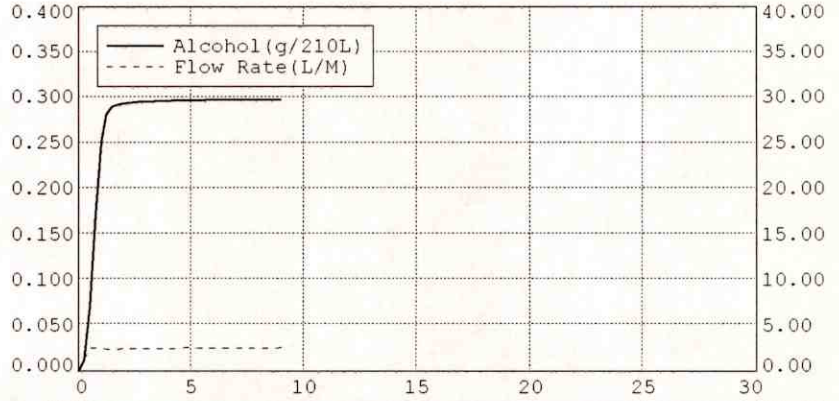
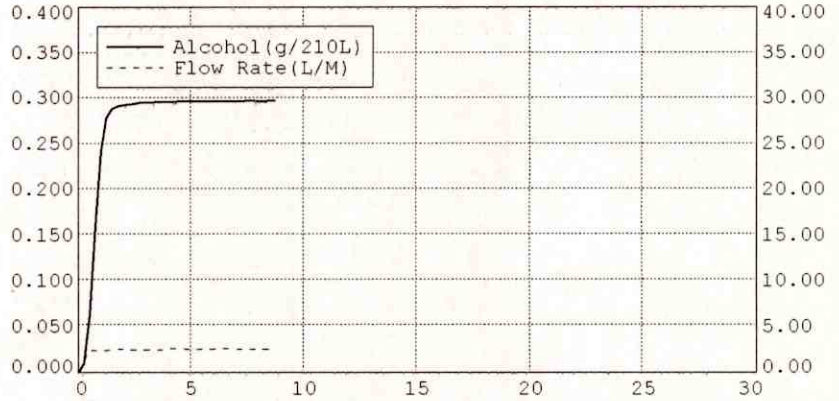
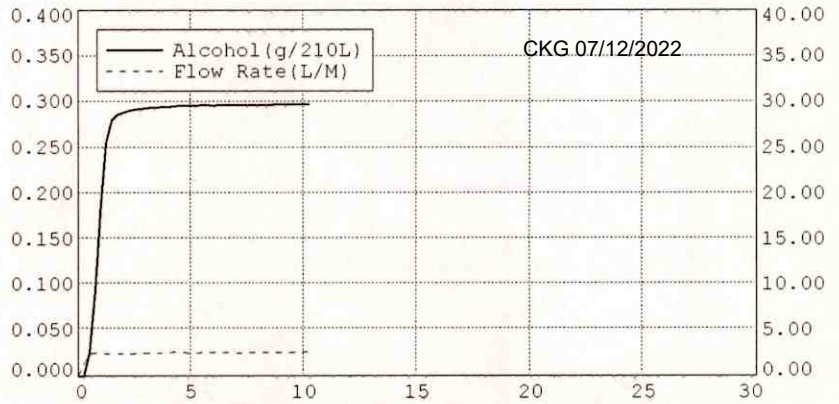
EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.300  
TARGET AT 29.54: 0.296  
TANK PRESSURE: 552 psi

BLANK TEST	0.000	10:48
INTERNAL STANDARD	VERIFIED	10:48
EXTERNAL STANDARD	0.297	10:48
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.297	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.297	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.297	10:52
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.297	10:53
BLANK TEST	0.000	10:54

Average = 0.2970  
Std Dev = 0.0000

Lot # AG217903  
Tank # 000  
Exp. 28 Jun 2024  
TAL 07/12/2022

AG217903 EXP 06282024



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100399

Date: 07/12/2022  
Time: 11:02:19

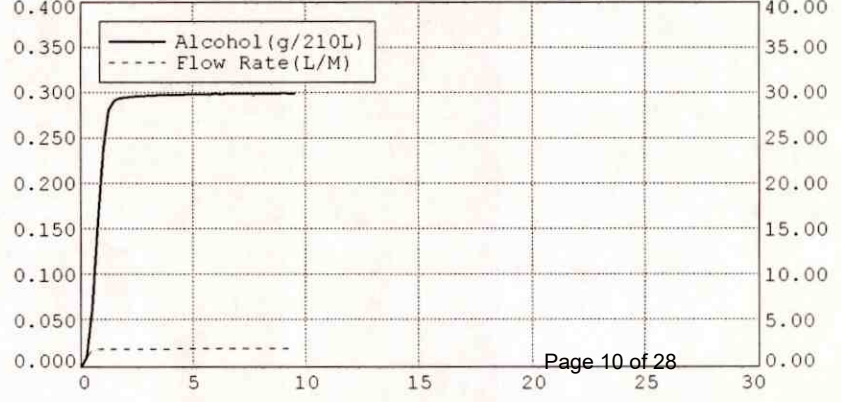
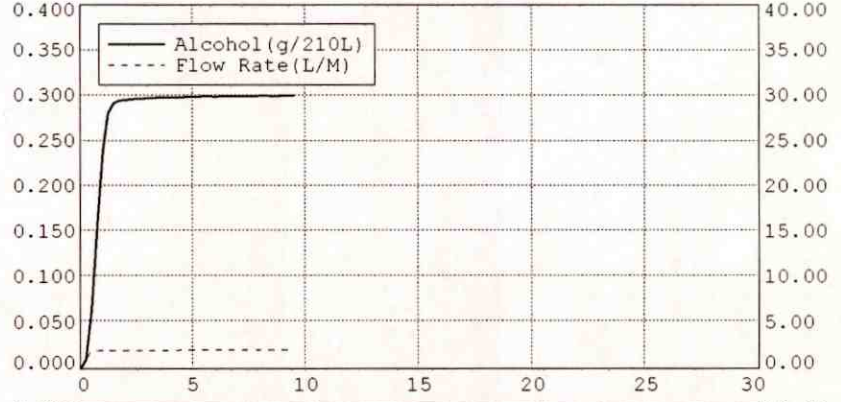
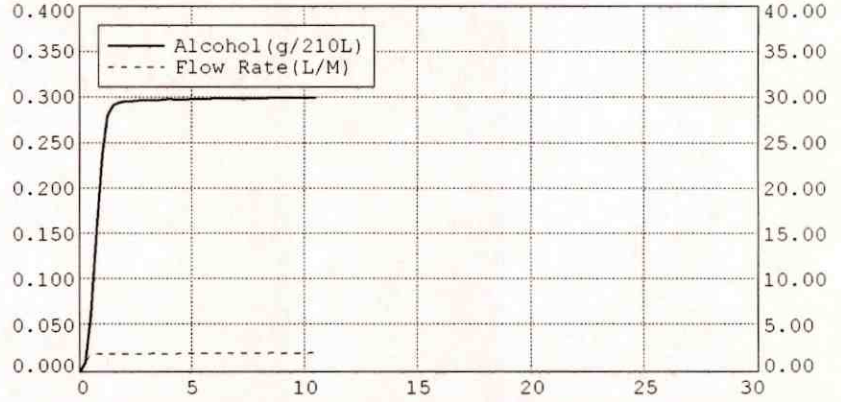
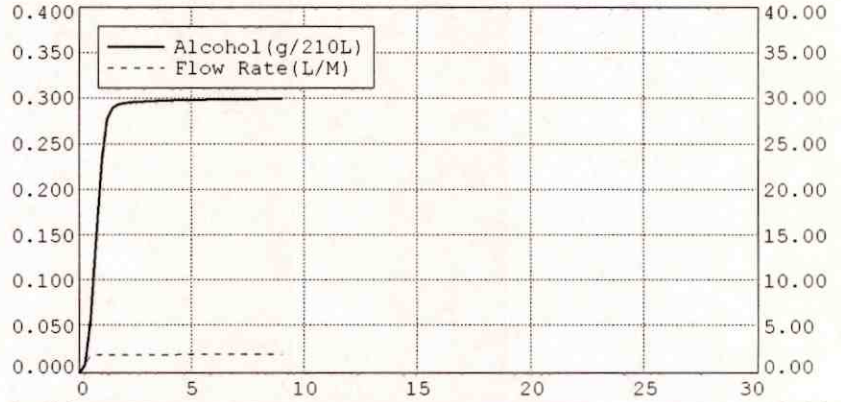
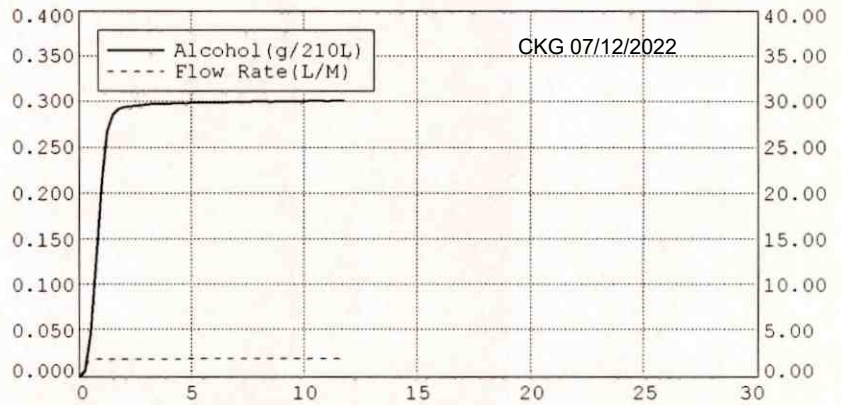
SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.300  
TARGET AT 29.55: 0.296  
TANK PRESSURE: 537 psi

BLANK TEST	0.000	11:03
INTERNAL STANDARD	VERIFIED	11:03
EXTERNAL STANDARD	0.301	11:04
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.300	11:05
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.300	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.300	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.299	11:08
BLANK TEST	0.000	11:09

Average = 0.3000  
Std Dev = 0.0007

Lot # AG217903  
Tank # 006  
EXP. 28 JUN 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

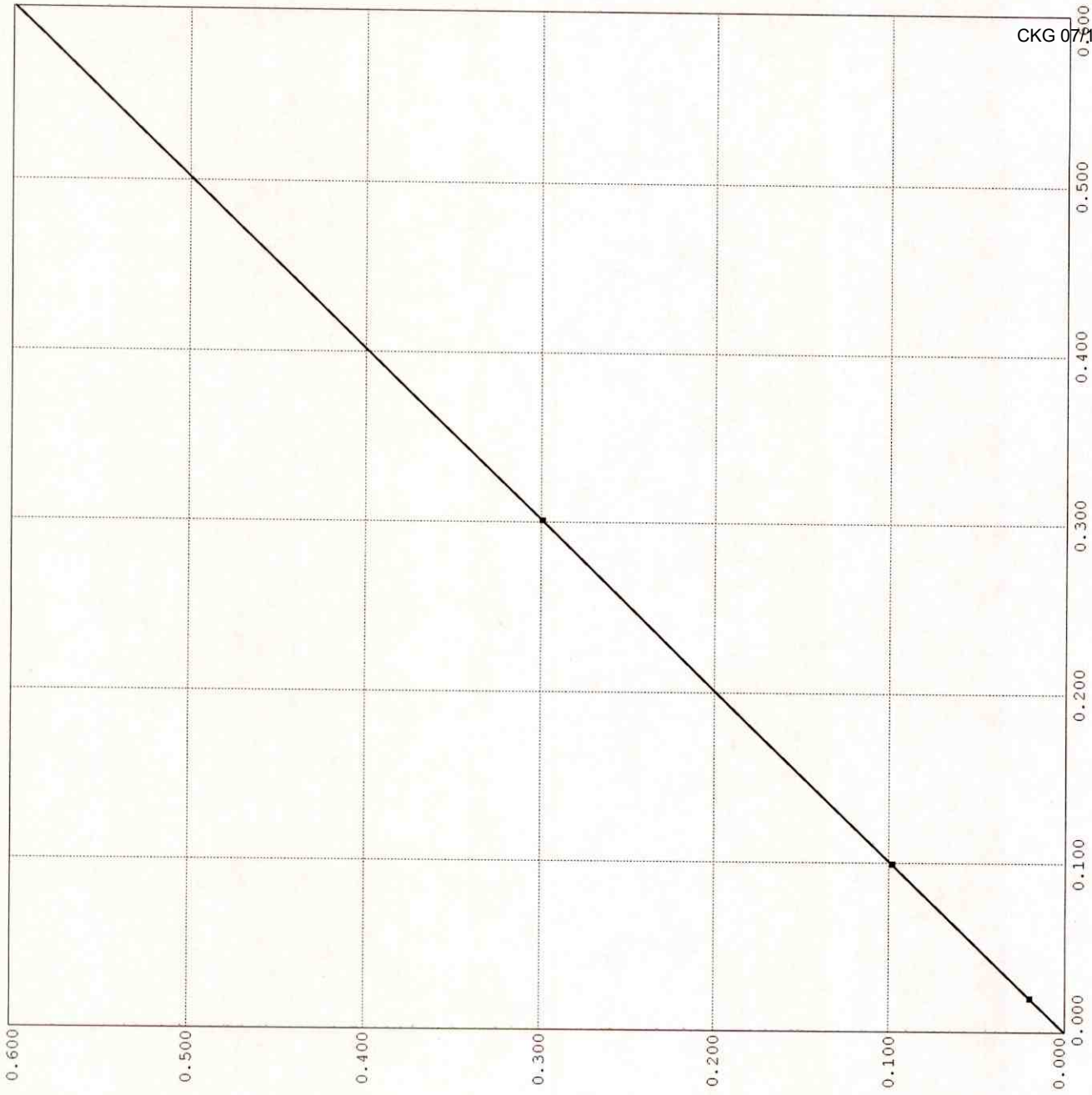
-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100375  
 -----

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  
 R<sup>2</sup> = 0.999998



CKG 07/12/2022

TAL

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100375

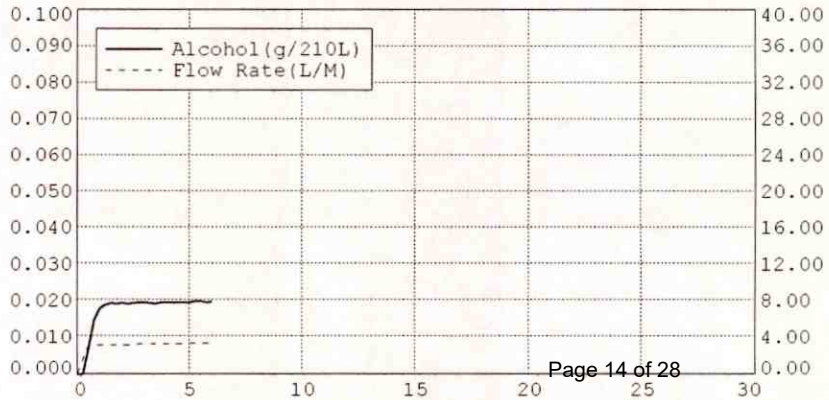
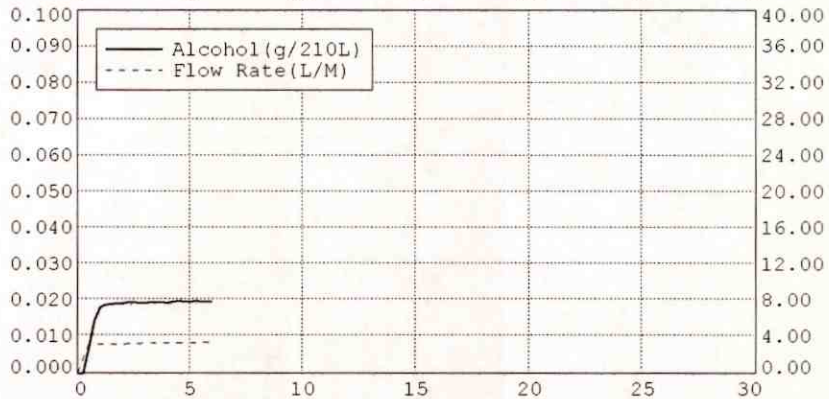
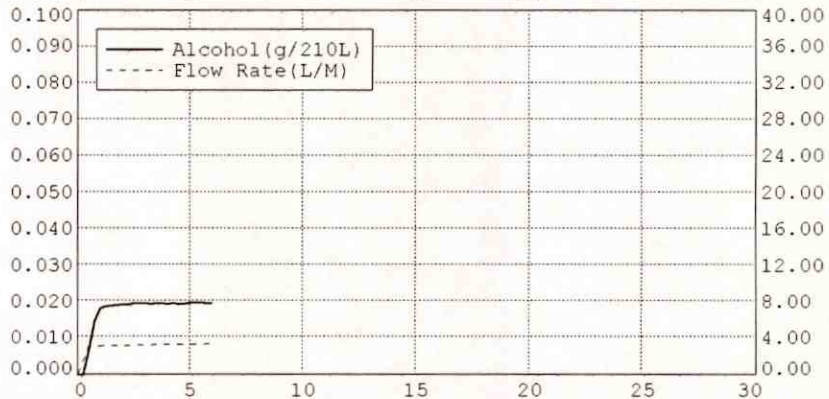
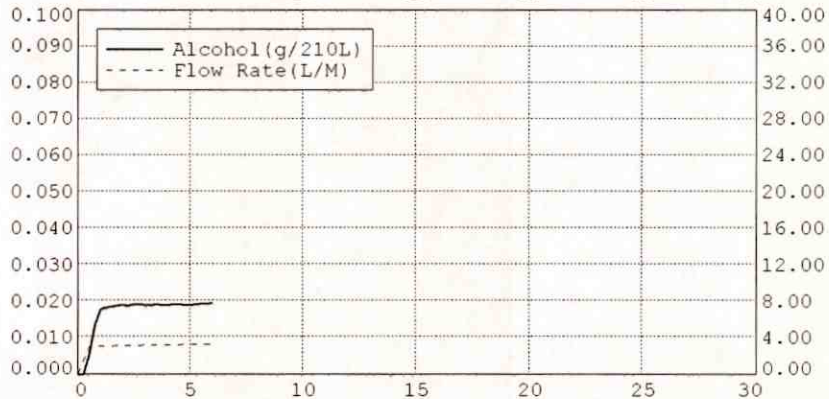
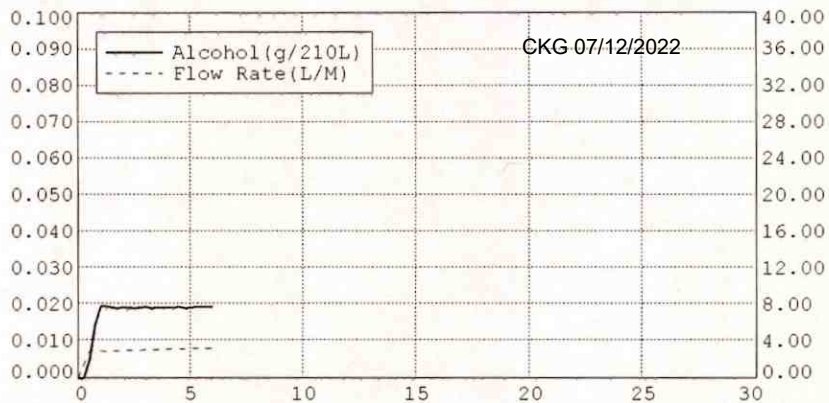
Date: 07/12/2022  
 Time: 08:16:07

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

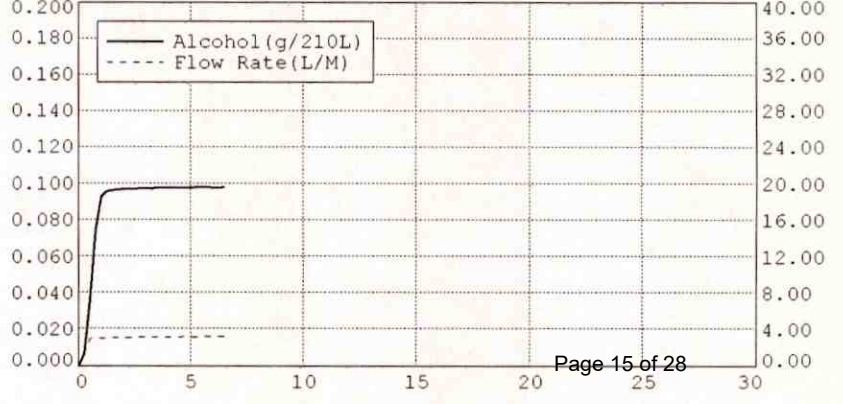
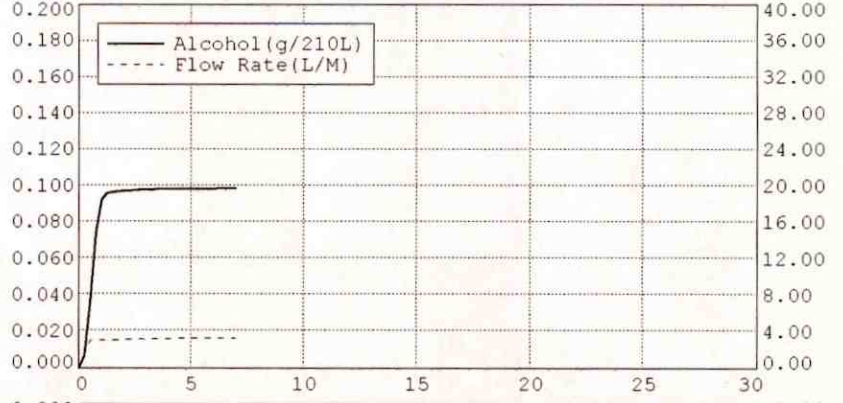
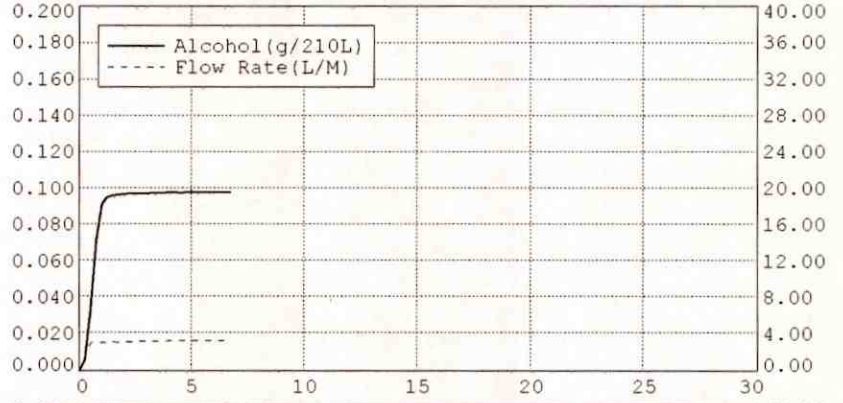
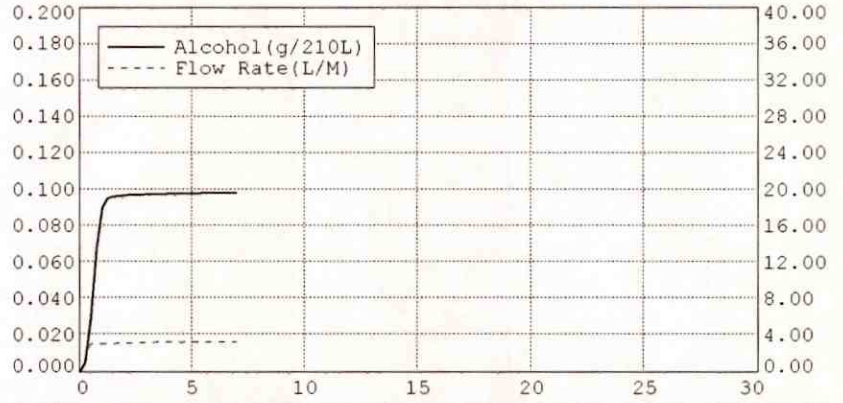
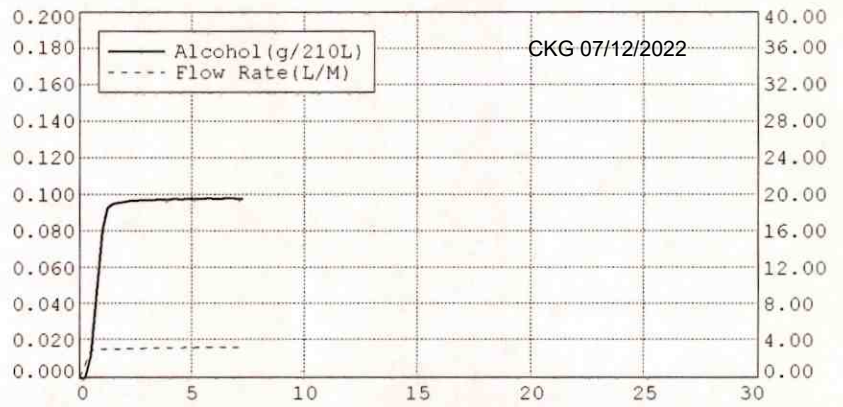
Date: 07/12/2022  
Time: 08:28:33

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

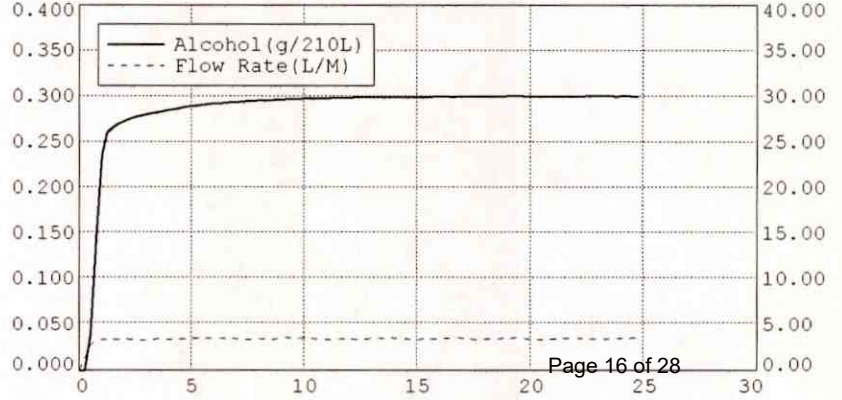
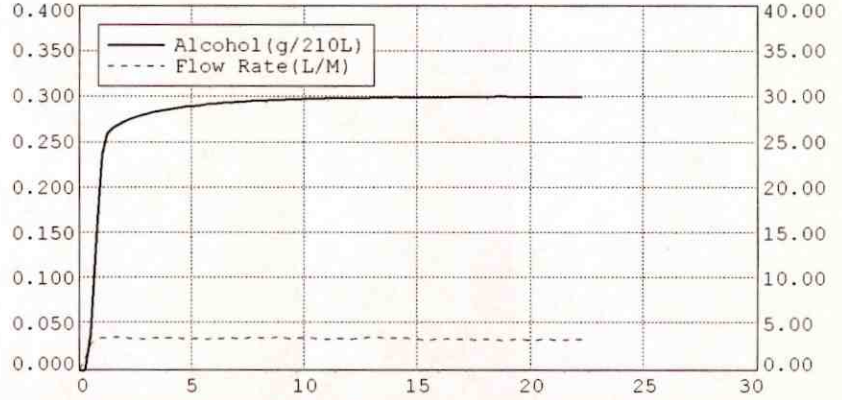
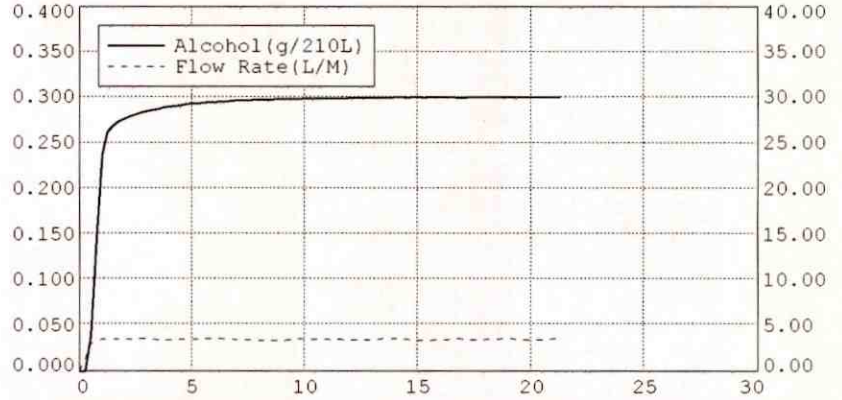
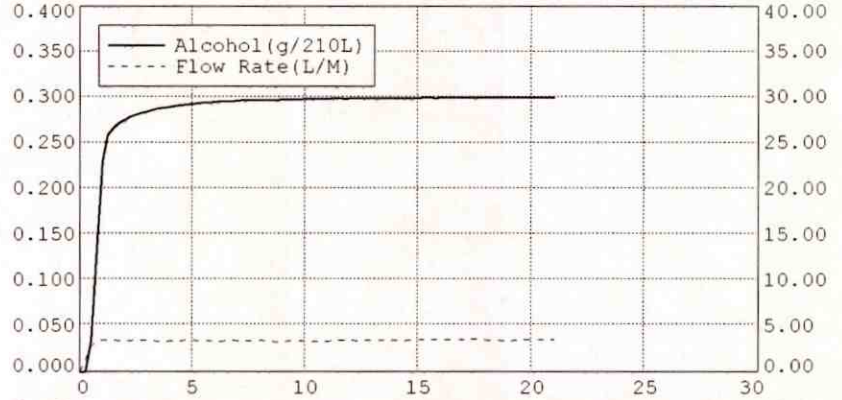
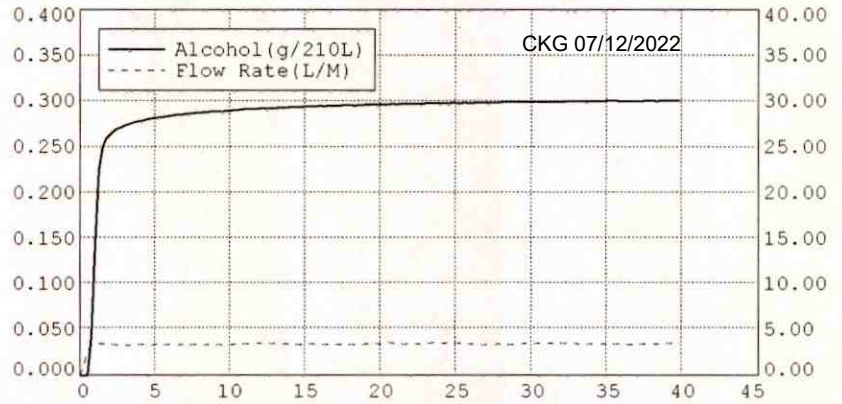
Date: 07/12/2022  
 Time: 08:47:03

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: SD1176  
 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 PASSED

Xq = 0.094 0.56% (0.00% - 4.00%)

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

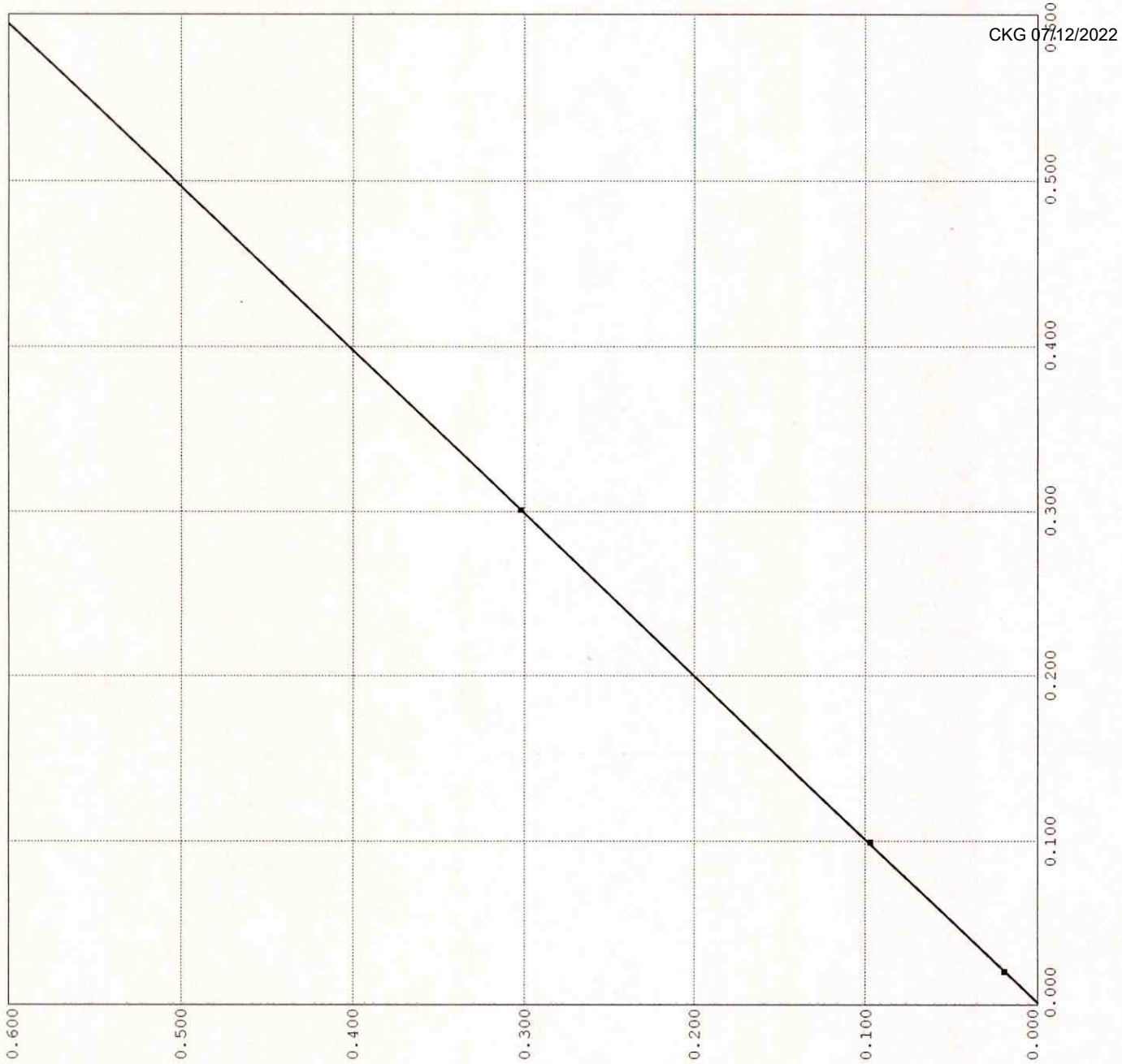
-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100397  
 -----

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  
 R<sup>2</sup> = 0.999953



TA

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100397

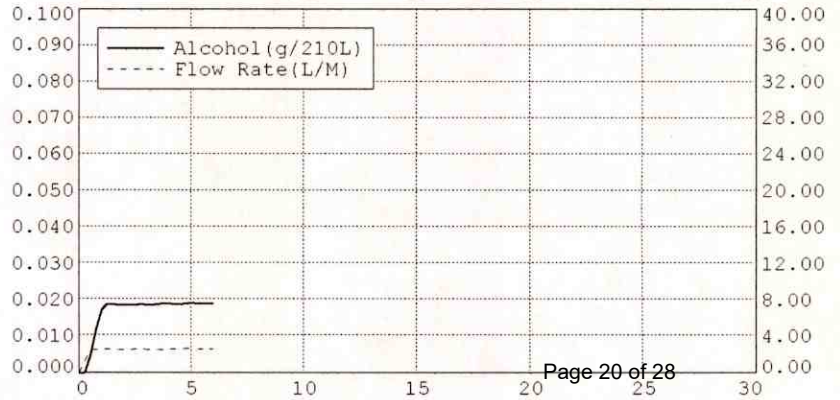
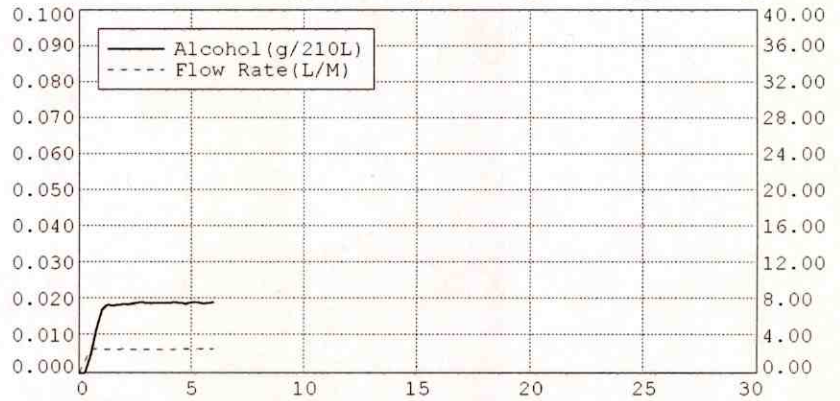
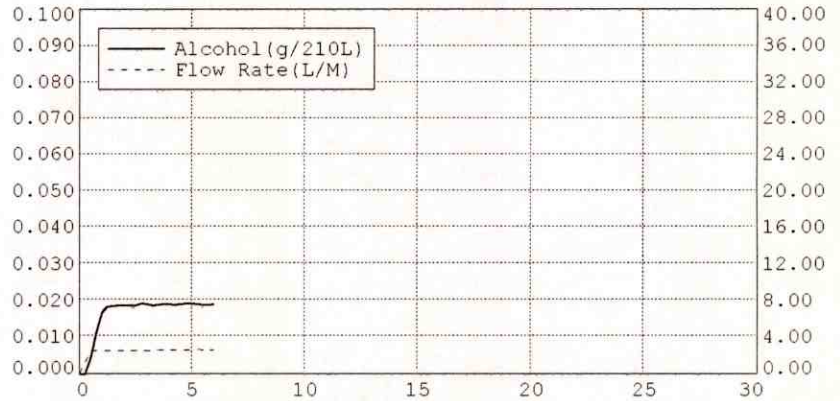
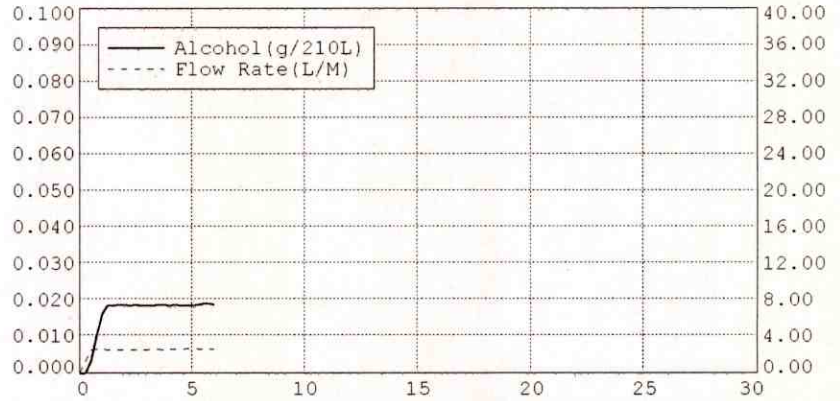
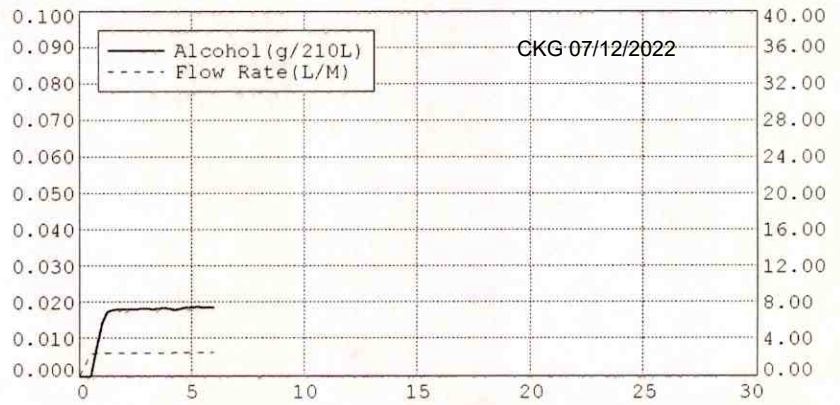
Date: 07/12/2022  
 Time: 07:59:25

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

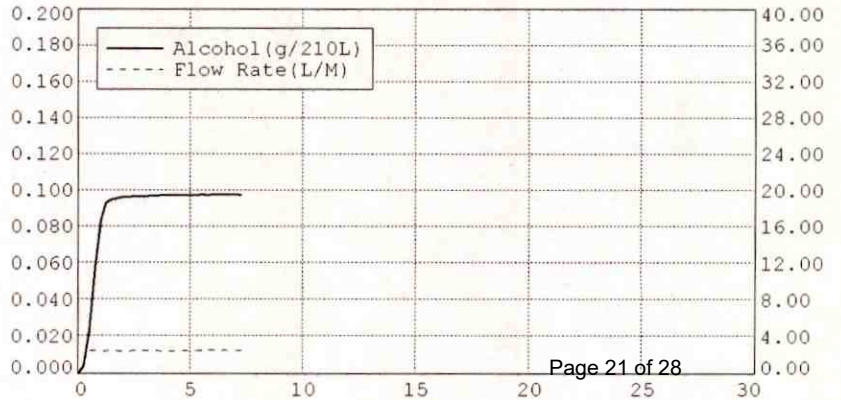
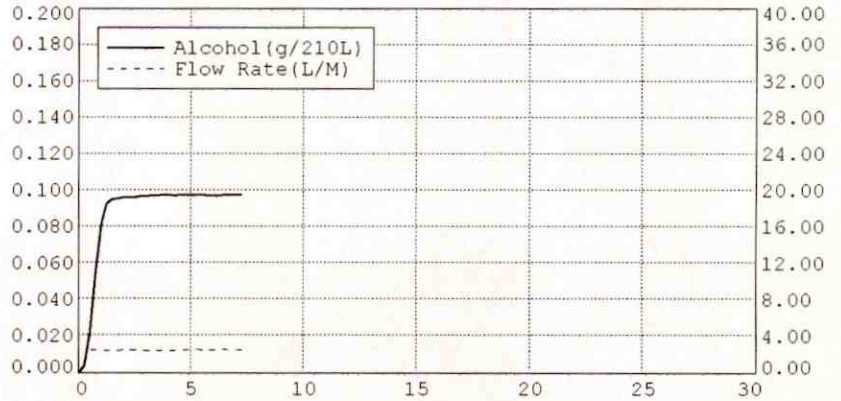
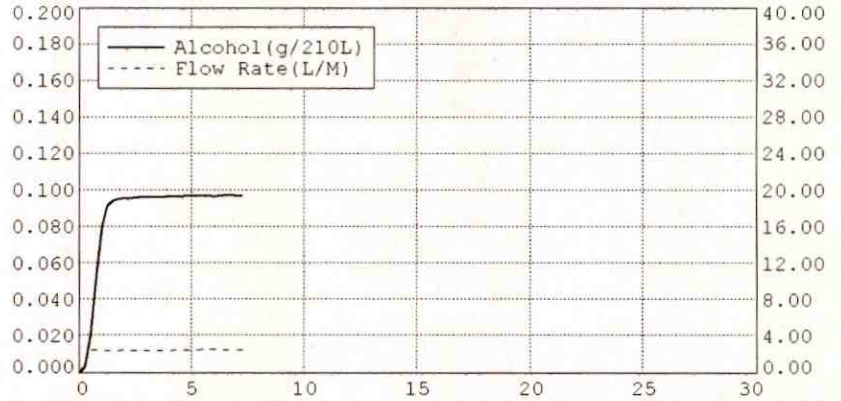
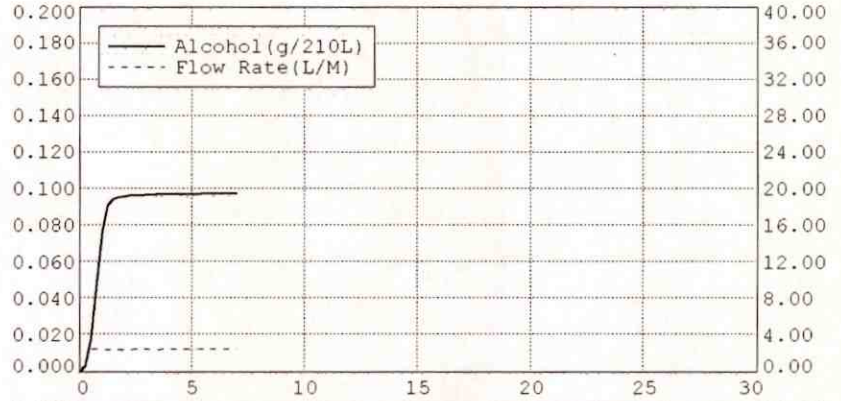
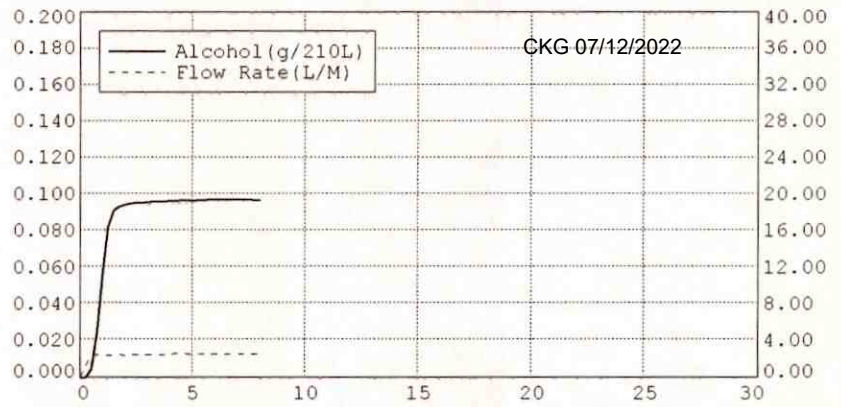
Date: 07/12/2022  
Time: 08:07:29

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

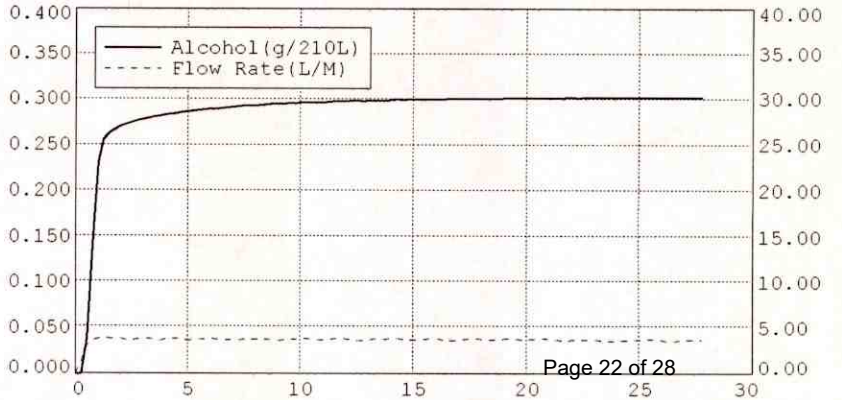
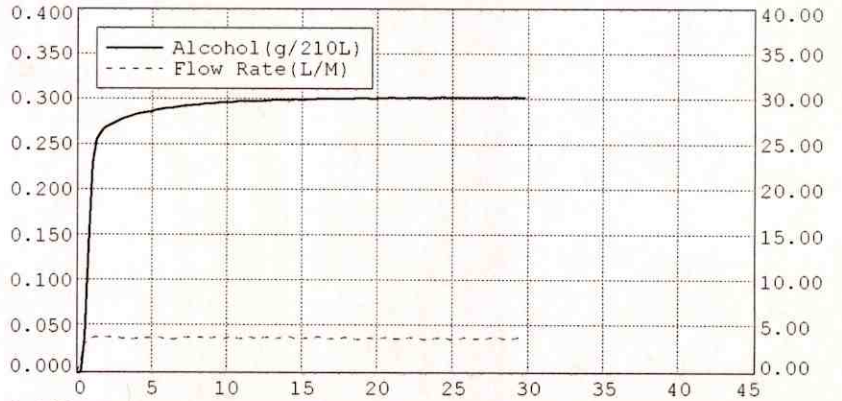
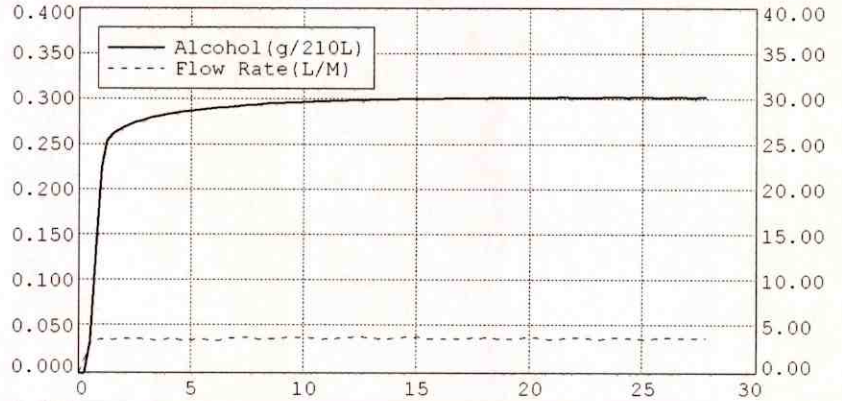
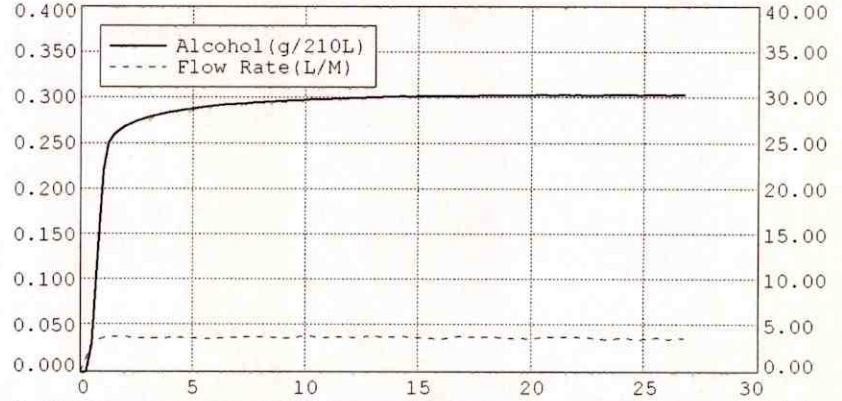
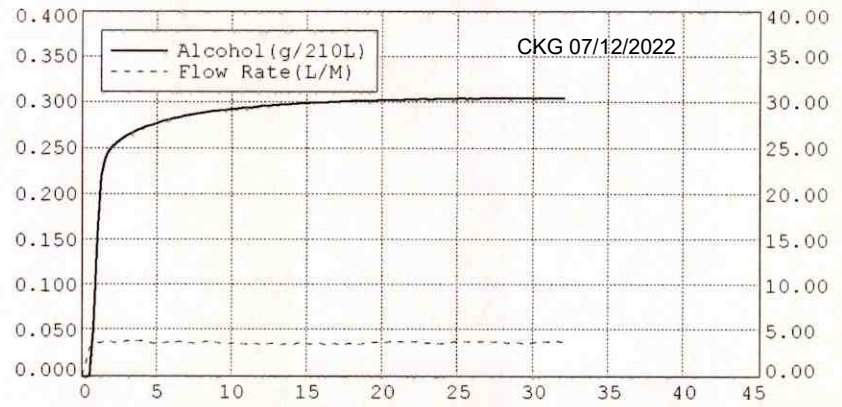
Date: 07/12/2022  
 Time: 08:44:39

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

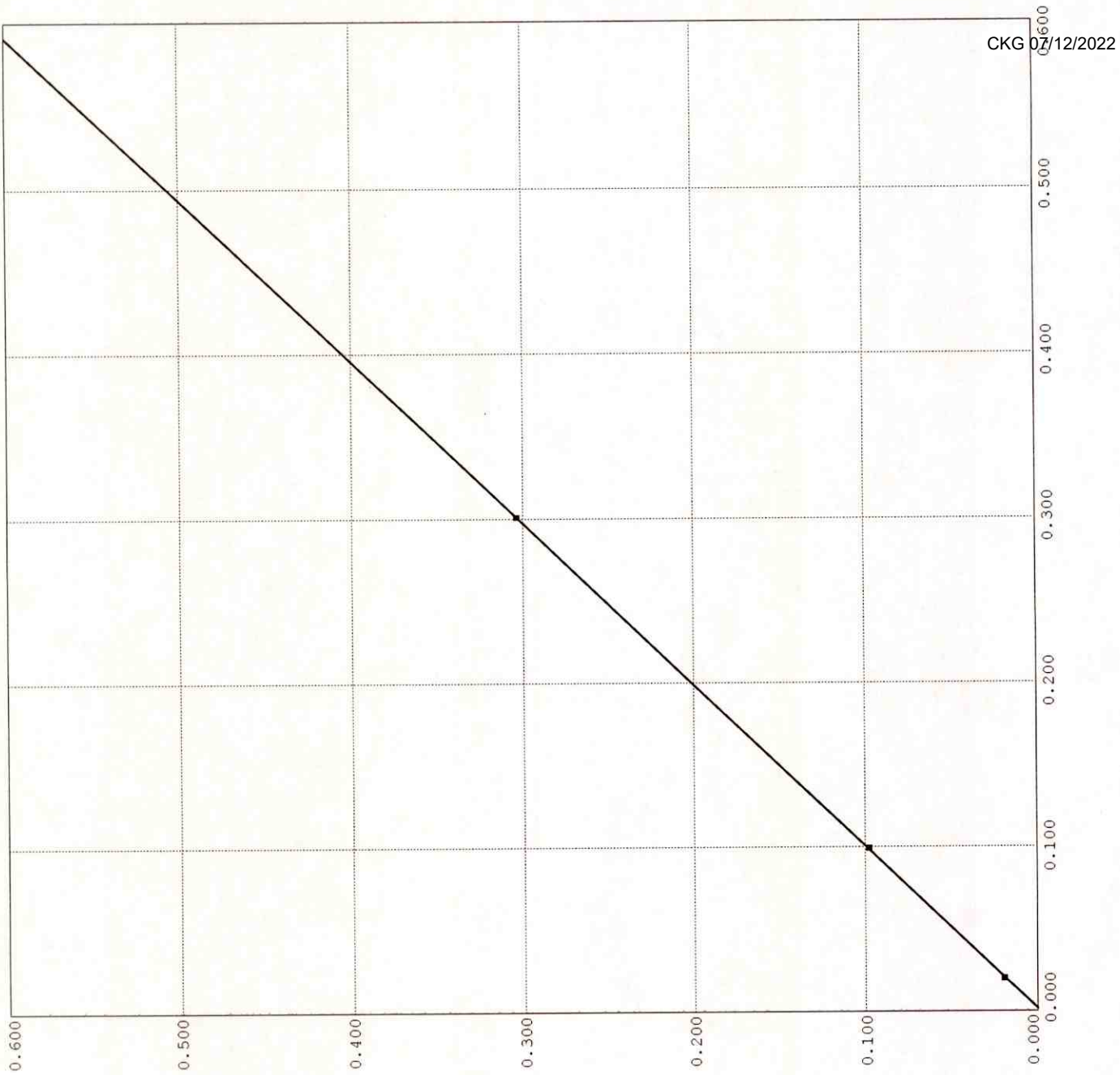
-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100399  
 -----

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  
 R<sup>2</sup> = 0.999976



CKG 07/12/2022

TR

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100399

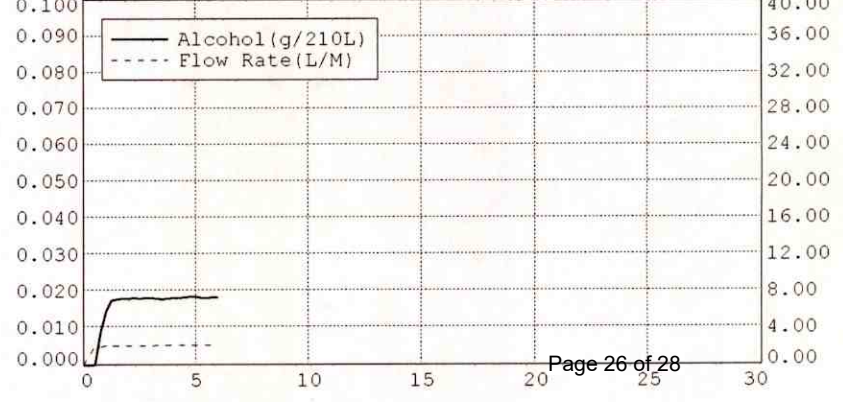
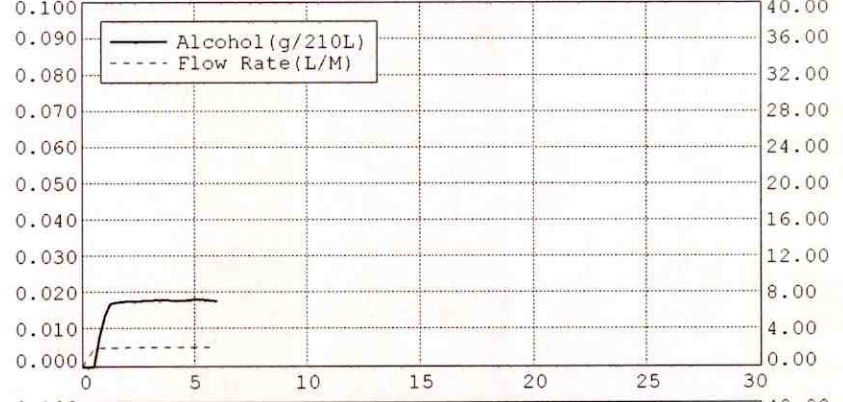
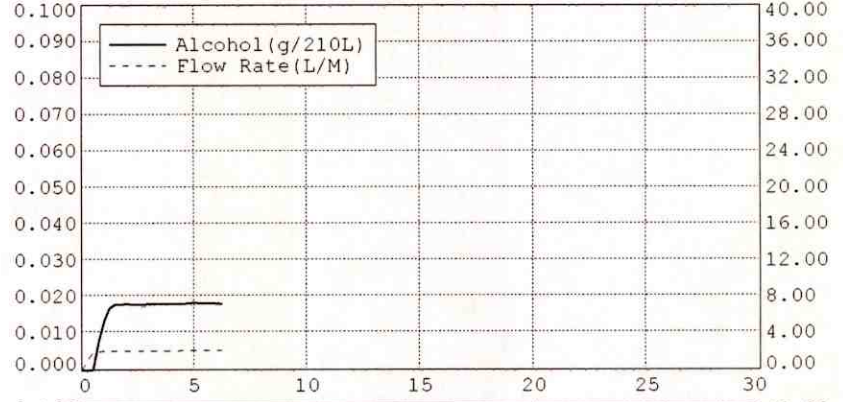
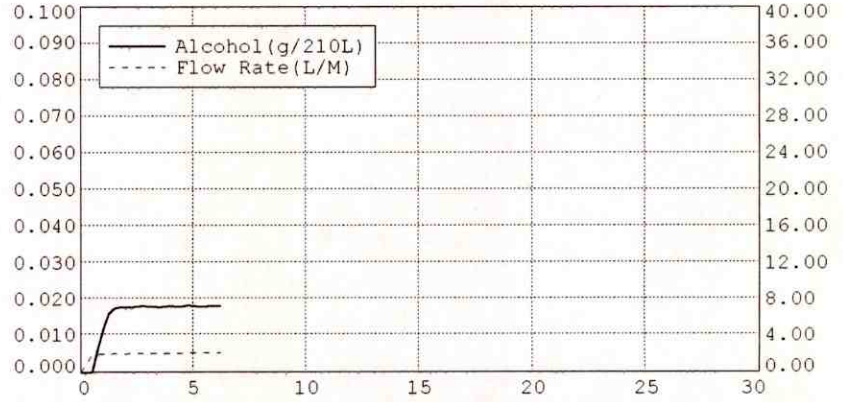
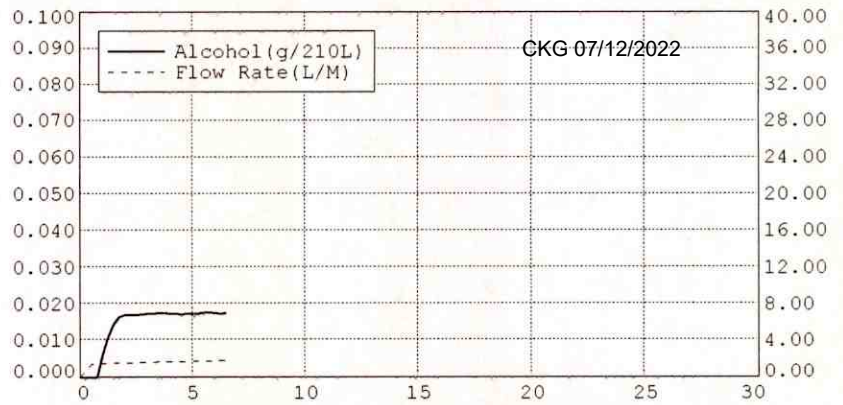
Date: 07/12/2022  
 Time: 08:08:30

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

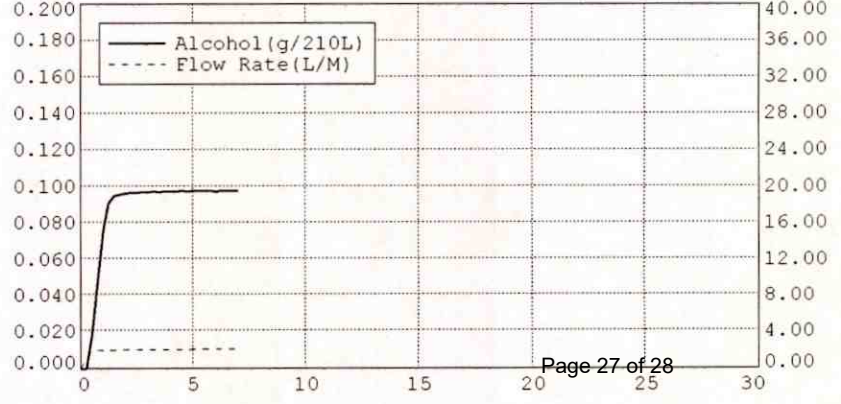
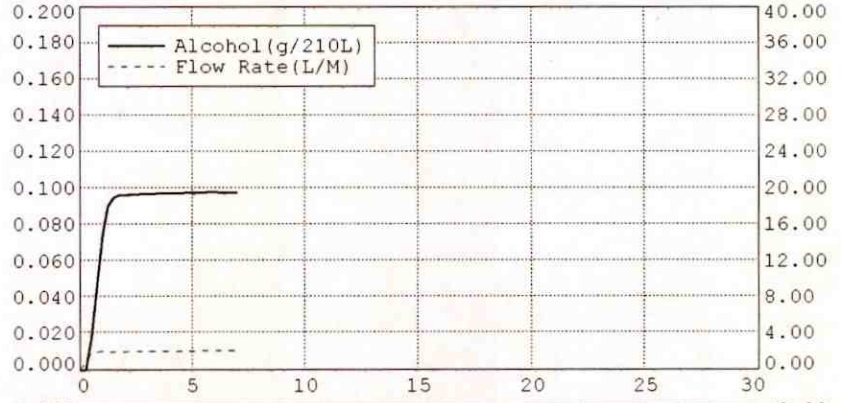
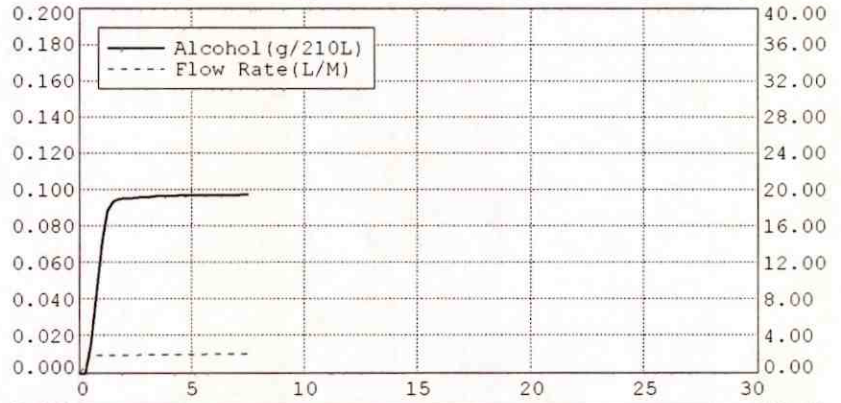
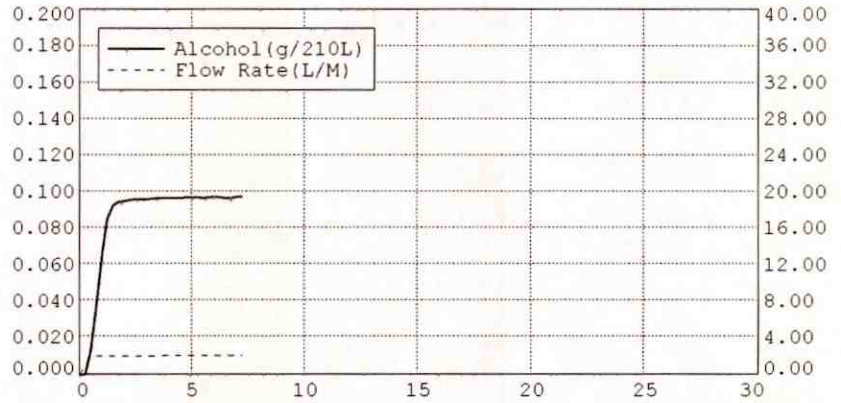
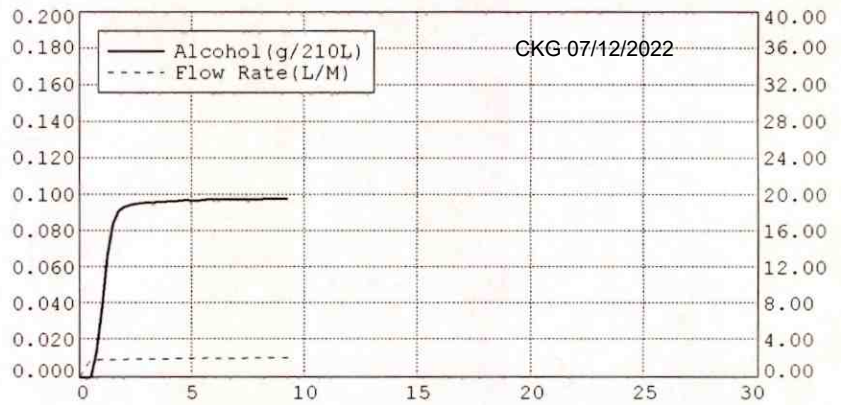
Date: 07/12/2022  
 Time: 08:19:46

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

