



**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

**Lot #** AG217904 **Model** 108

Exp Date	Cyl. Type	Component	Certified Concentration
28-Jun-2024	108	Ethanol Nitrogen	0.040 ± 0.002 BrAC (104.2 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 14:16

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: 10:03:48

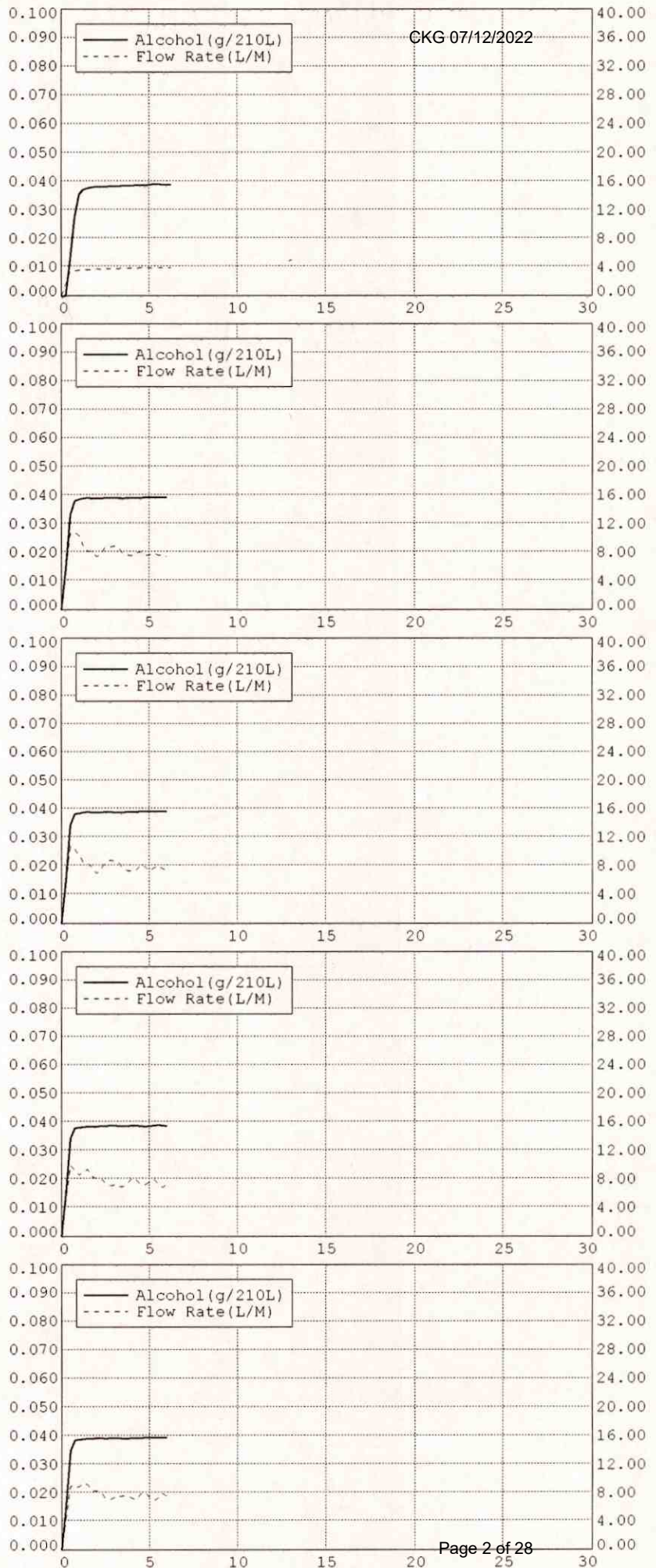
SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.040  
 TARGET AT 29.55: 0.040  
 TANK PRESSURE: 1237 psi

BLANK TEST	0.000	10:05
INTERNAL STANDARD	VERIFIED	10:05
EXTERNAL STANDARD	0.040	10:05
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.041	10:06
BLANK TEST	0.000	10:07
EXTERNAL STANDARD	0.040	10:07
BLANK TEST	0.000	10:08
EXTERNAL STANDARD	0.040	10:08
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.040	10:09
BLANK TEST	0.000	10:10

Average = 0.0402  
 Std Dev = 0.0004

Lot # A6217904  
 Tank # 001  
 Exp. 28 Jun 2024  
 TAL 07/12/2022  
 Average: 0.040



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100397

Date: 07/12/2022  
Time: 09:58:10

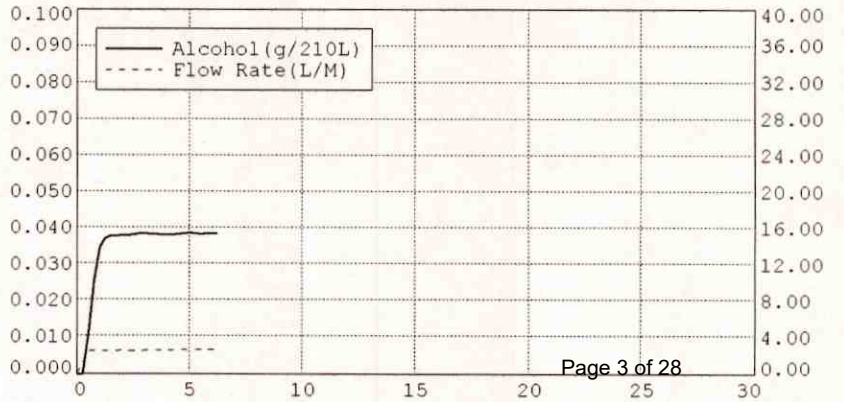
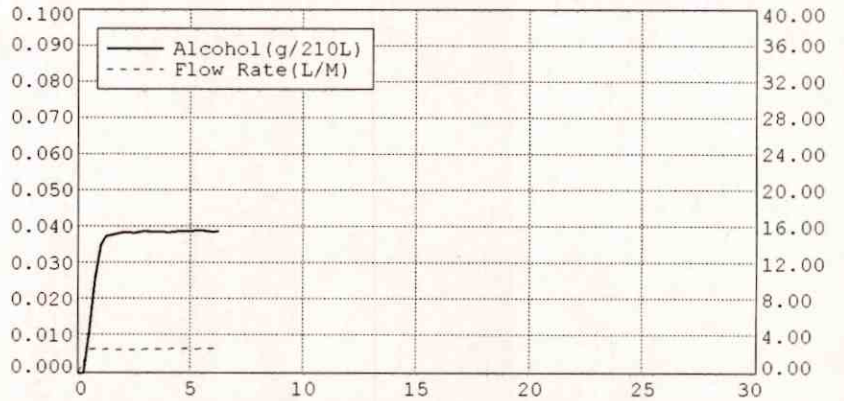
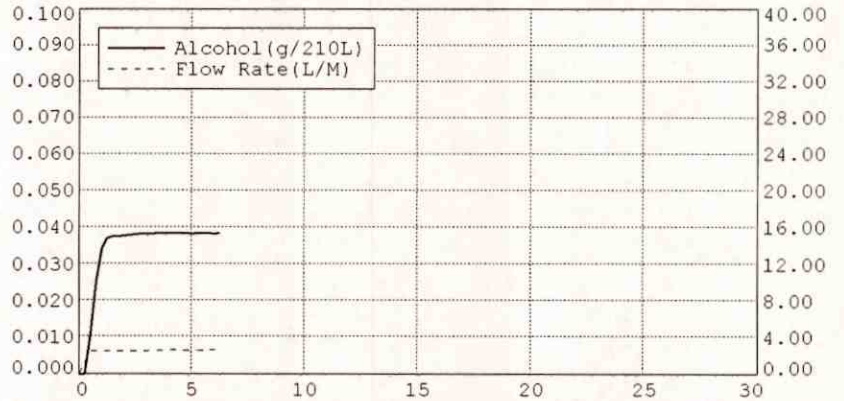
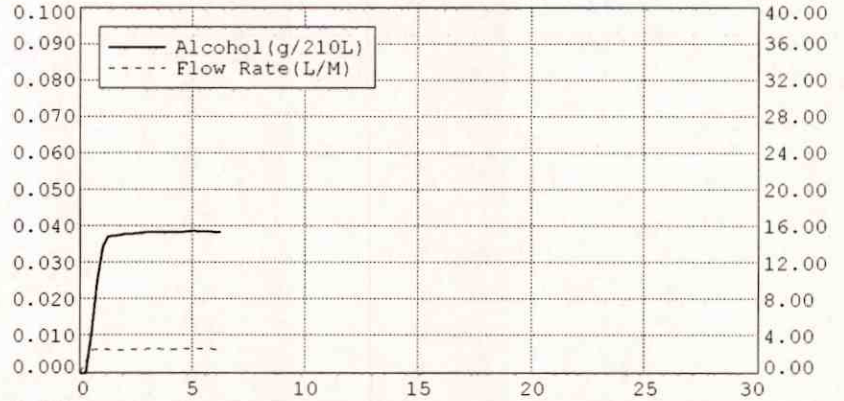
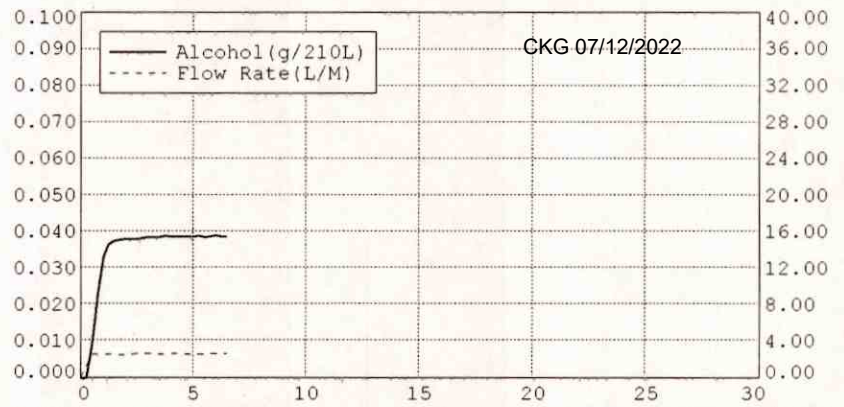
SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.040  
TARGET AT 29.54: 0.039  
TANK PRESSURE: 1185 psi

BLANK TEST	0.000	09:59
INTERNAL STANDARD	VERIFIED	09:59
EXTERNAL STANDARD	0.040	09:59
BLANK TEST	0.000	10:00
EXTERNAL STANDARD	0.039	10:01
BLANK TEST	0.000	10:01
EXTERNAL STANDARD	0.039	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.039	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.039	10:04
BLANK TEST	0.000	10:05

Average = 0.0392  
Std Dev = 0.0004

Lot # AG217904  
Tank # 001  
Exp. 28 Jun 2024  
TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100399

Date: 07/12/2022  
Time: 10:07:15

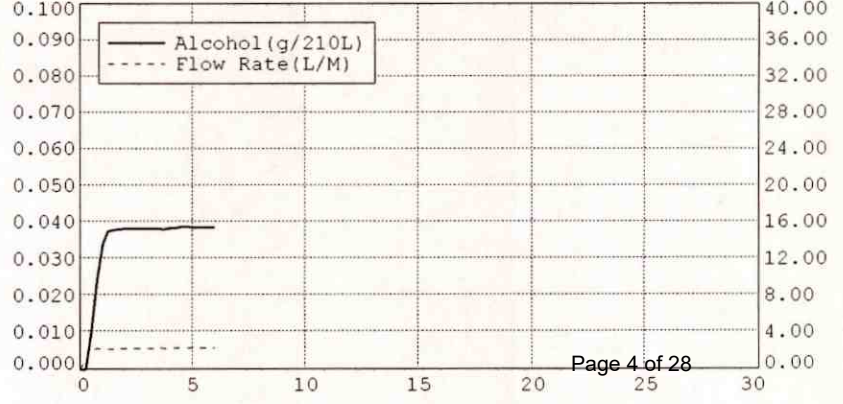
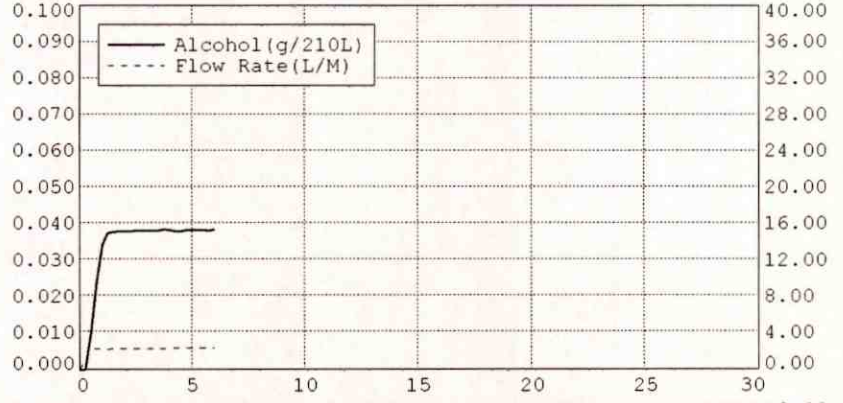
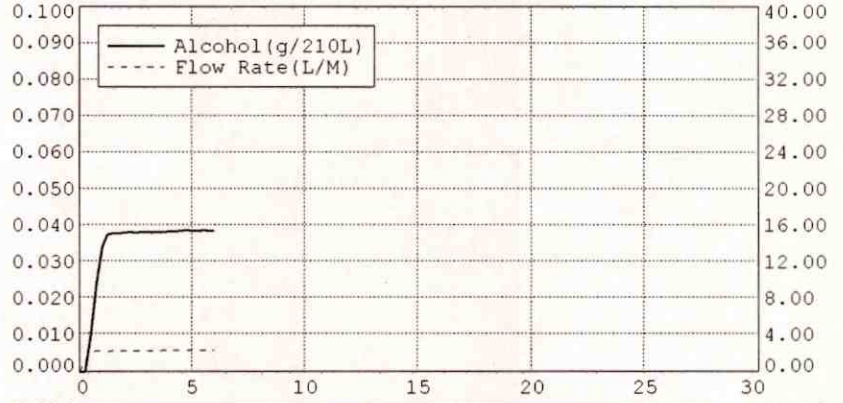
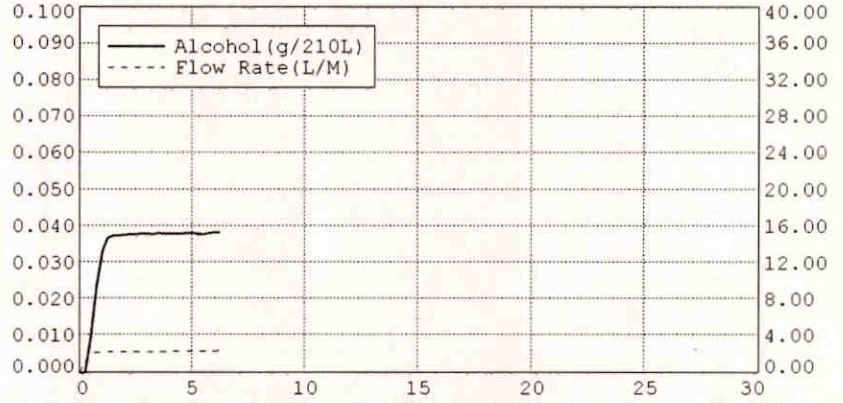
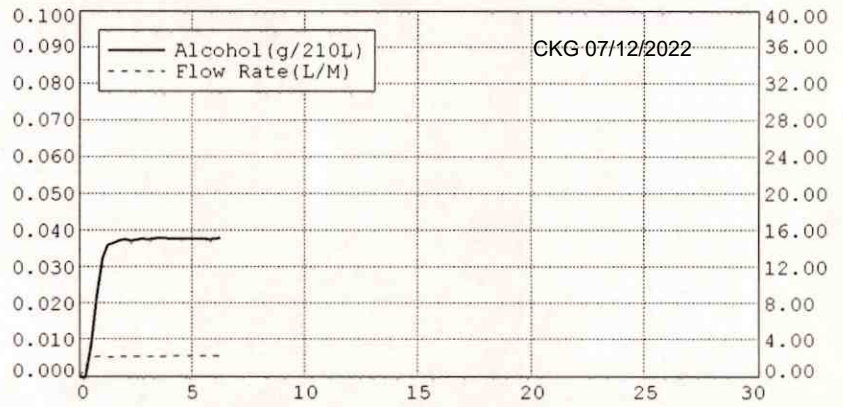
SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.040  
TARGET AT 29.55: 0.040  
TANK PRESSURE: 1178 psi

BLANK TEST	0.000	10:08
INTERNAL STANDARD	VERIFIED	10:08
EXTERNAL STANDARD	0.039	10:09
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.039	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.040	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.039	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.040	10:13
BLANK TEST	0.000	10:14

Average = 0.0394  
Std Dev = 0.0005

Lot # At1219004  
Extant # 001  
Exp. 28 Jun 2024  
TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100375

Date: 07/12/2022  
Time: 10:20:06

SUPERVISOR NAME:  
TATIANA LEE  
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.040  
TARGET AT 29.55: 0.040  
TANK PRESSURE: 1206 psi

BLANK TEST	0.000	10:24
INTERNAL STANDARD	VERIFIED	10:24
EXTERNAL STANDARD	0.040	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.040	10:26
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.040	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.040	10:28
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.040	10:29
BLANK TEST	0.000	10:30

Average = 0.0400  
Std Dev = 0.0000

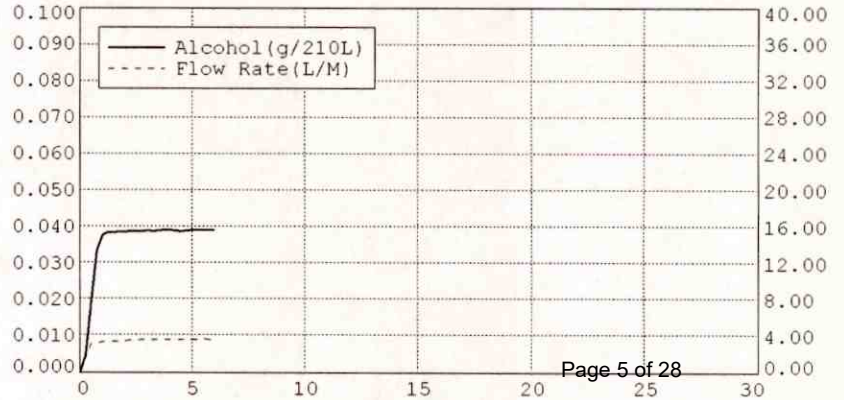
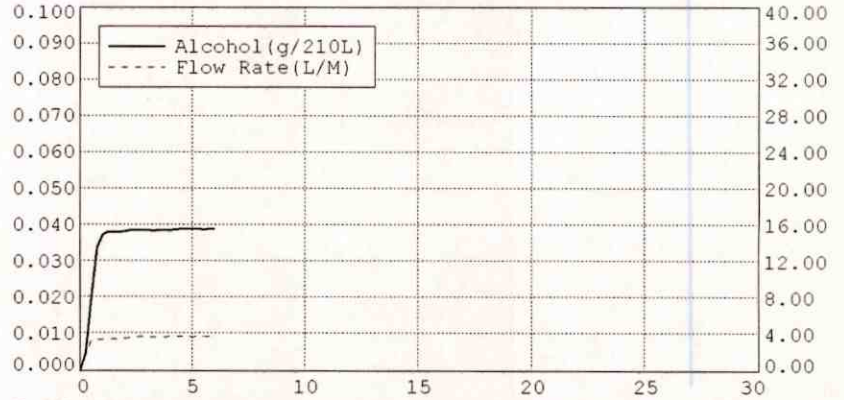
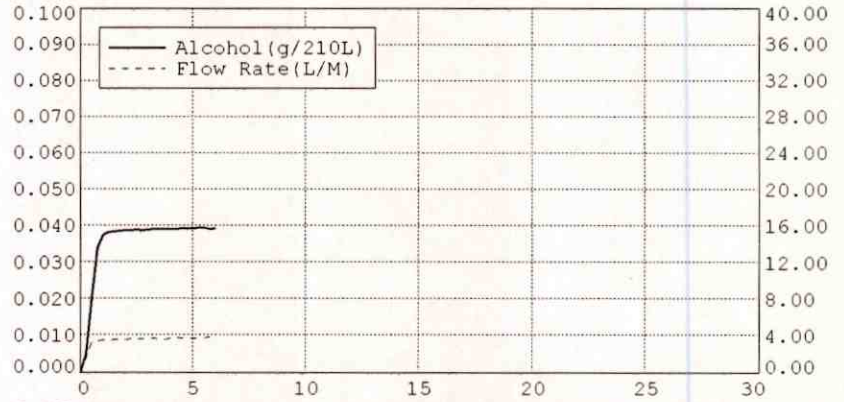
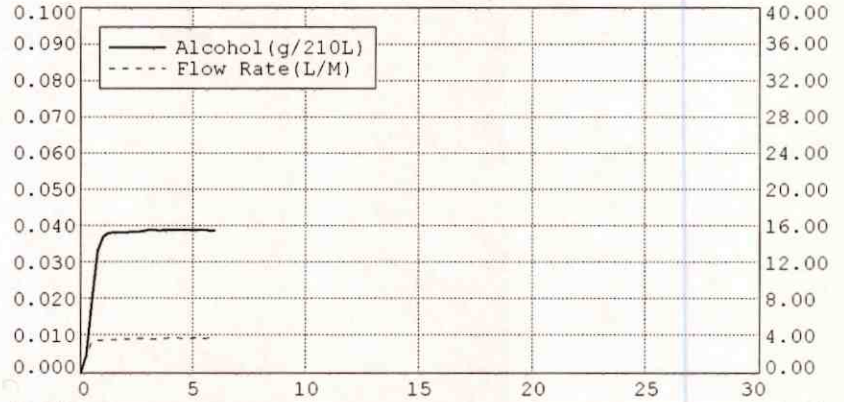
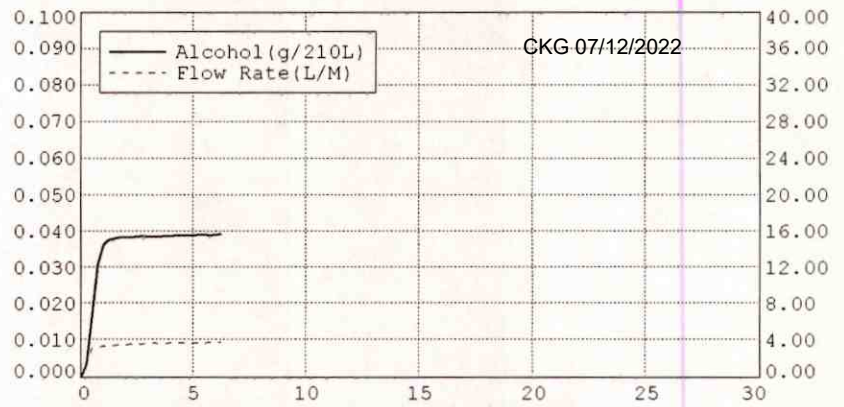
Lot # AG217904

Tank # 002

Exp. 28 Jun 2024

TAL 07/12/2022

Average: ~~0.040~~<sup>TAL</sup> 0.039



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100397

Date: 07/12/2022  
 Time: 09:49:29

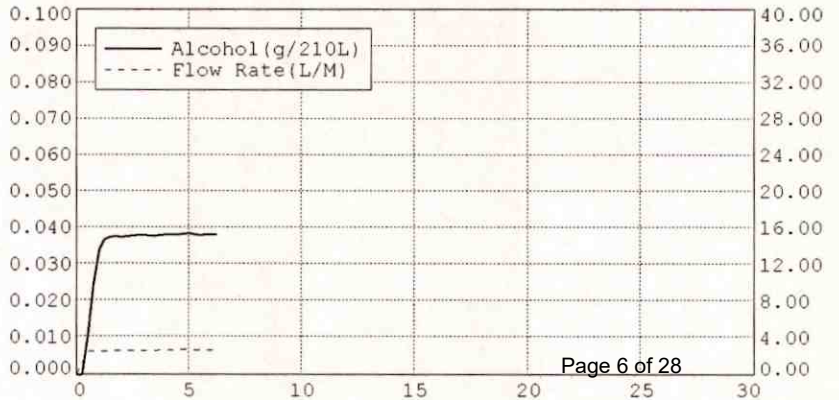
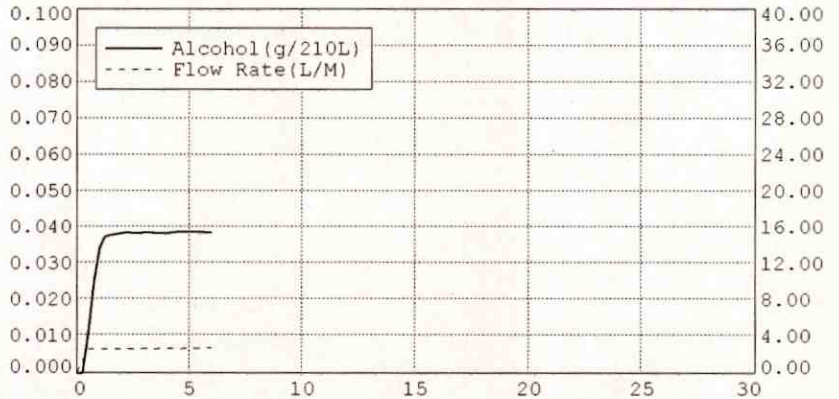
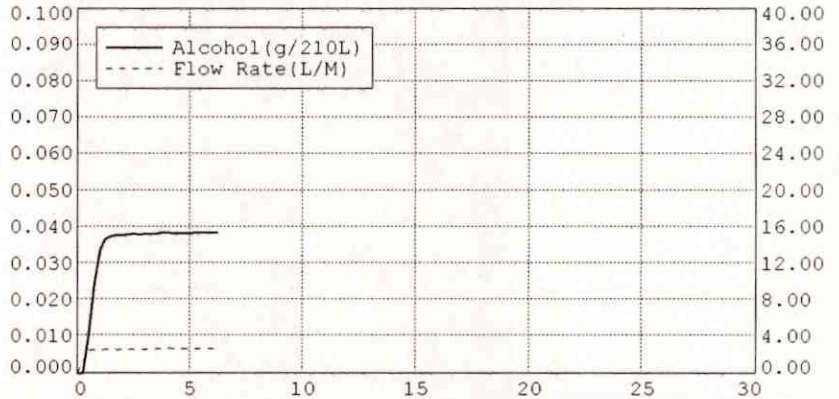
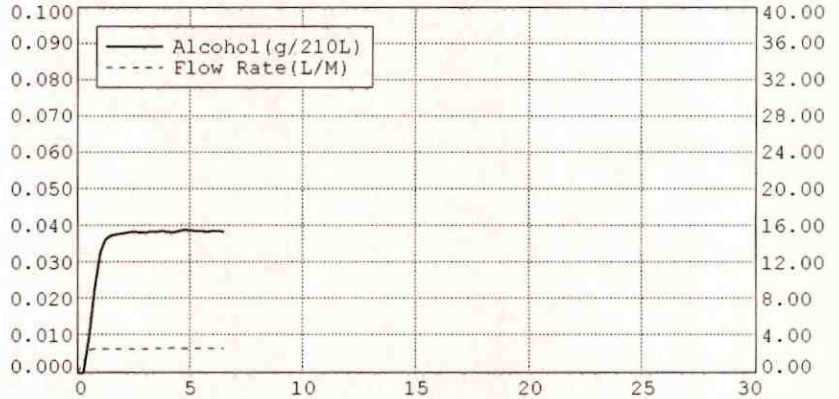
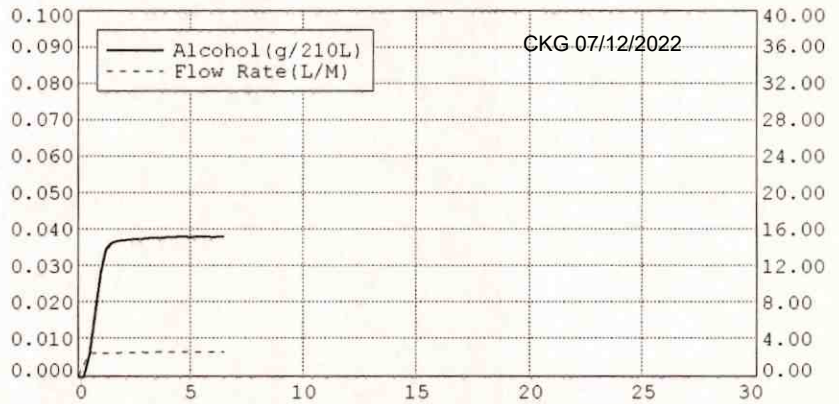
SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.040  
 TARGET AT 29.54: 0.039  
 TANK PRESSURE: 1221 psi

BLANK TEST	0.000	09:50
INTERNAL STANDARD	VERIFIED	09:50
EXTERNAL STANDARD	0.039	09:51
BLANK TEST	0.000	09:52
EXTERNAL STANDARD	0.039	09:52
BLANK TEST	0.000	09:53
EXTERNAL STANDARD	0.039	09:53
BLANK TEST	0.000	09:54
EXTERNAL STANDARD	0.039	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.039	09:55
BLANK TEST	0.000	09:56

Average = 0.0390  
 Std Dev = 0.0000

Lot # AG217904  
 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: 09:54:24

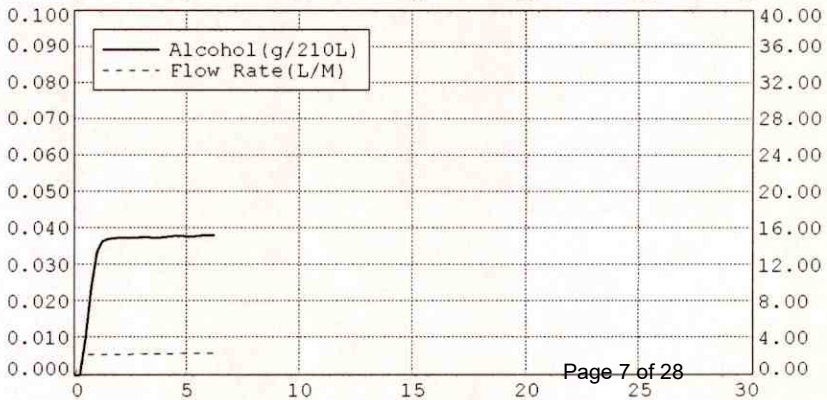
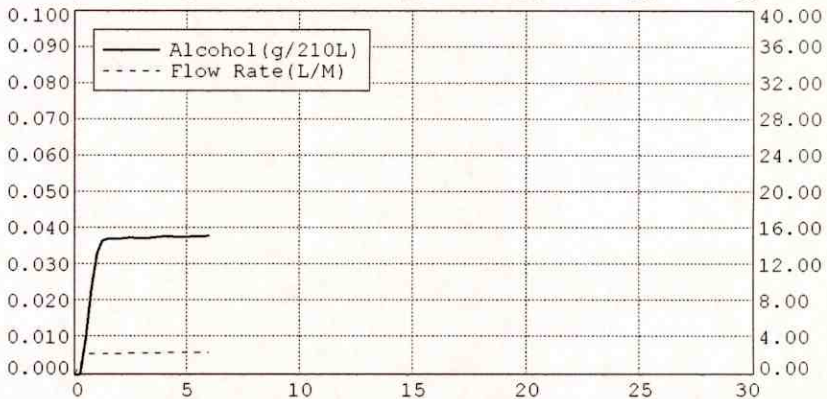
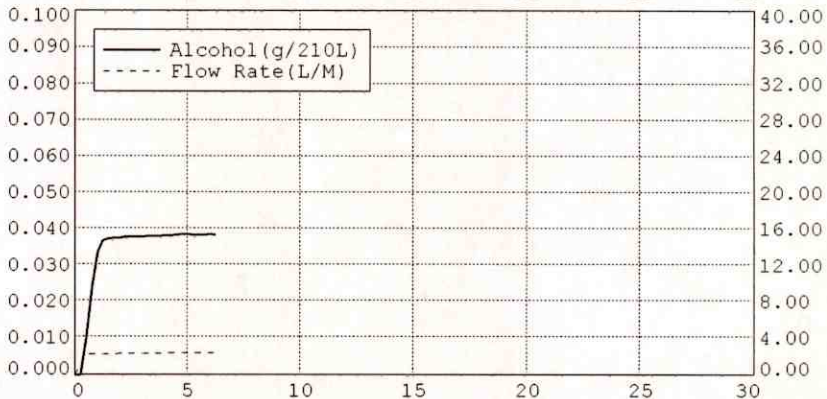
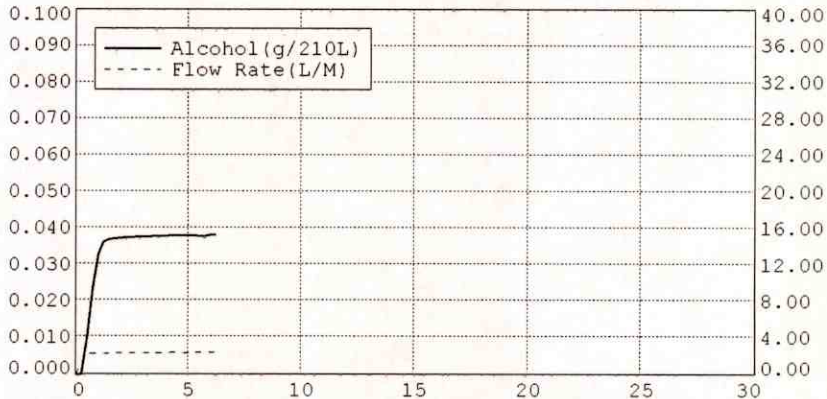
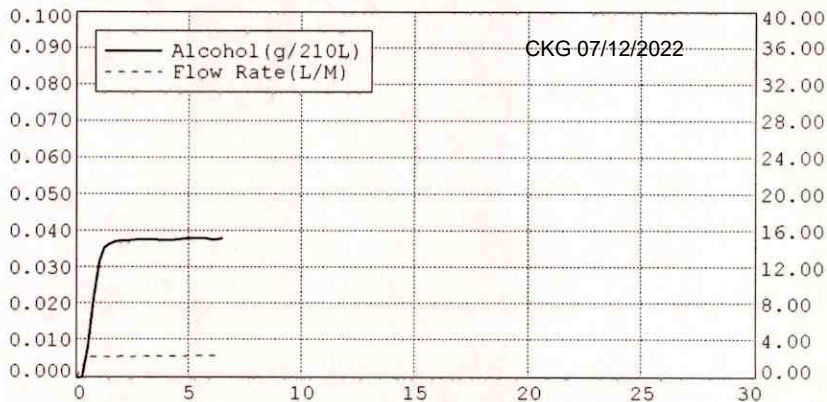
SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.040  
 TARGET AT 29.54: 0.039  
 TANK PRESSURE: 1221 psi

BLANK TEST	0.000	10:00
INTERNAL STANDARD	VERIFIED	10:00
EXTERNAL STANDARD	0.039	10:00
BLANK TEST	0.000	10:01
EXTERNAL STANDARD	0.039	10:01
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.040	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.039	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.039	10:05
BLANK TEST	0.000	10:05

Average = 0.0392  
 Std Dev = 0.0004

Lot # AG217904  
 Tank # 002  
 Exp. 28 Jun 2024  
 TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100375

Date: 07/12/2022  
 Time: 10:11:57

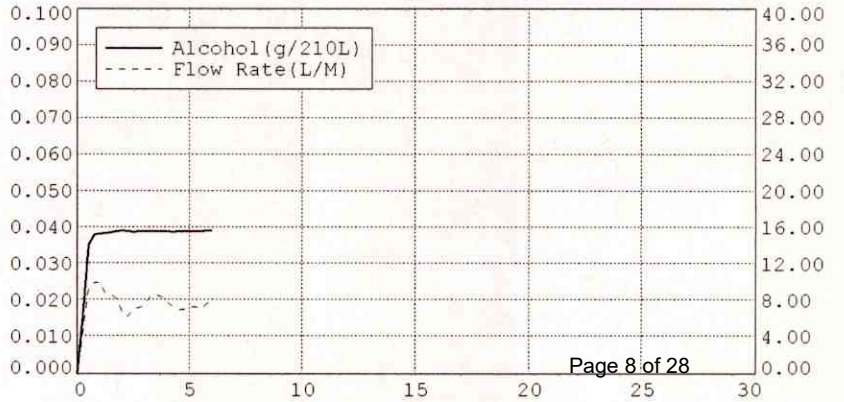
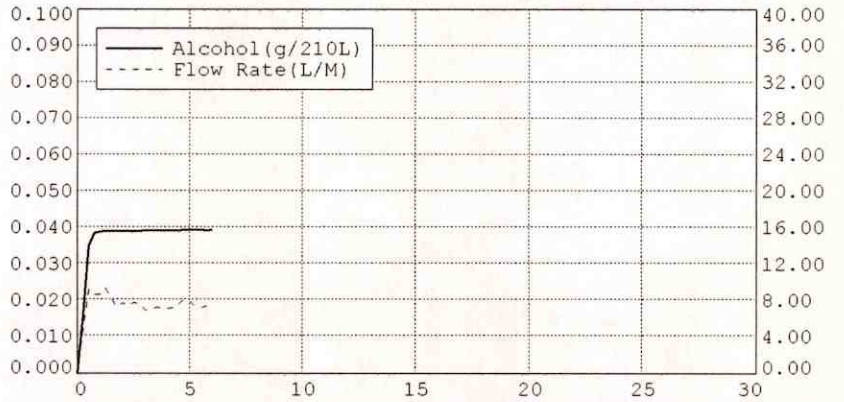
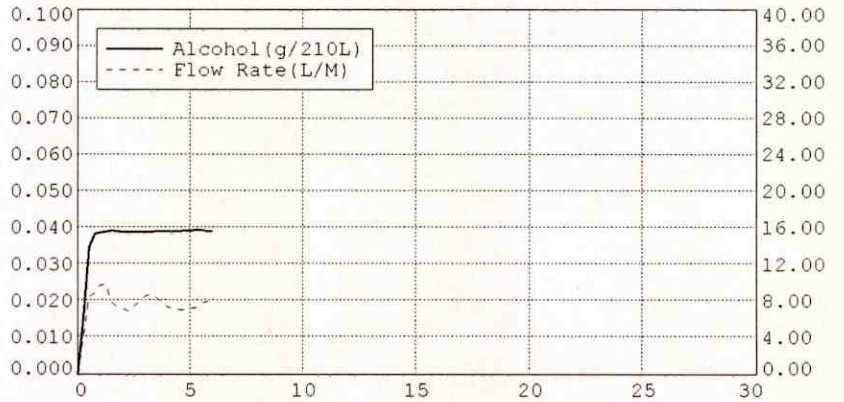
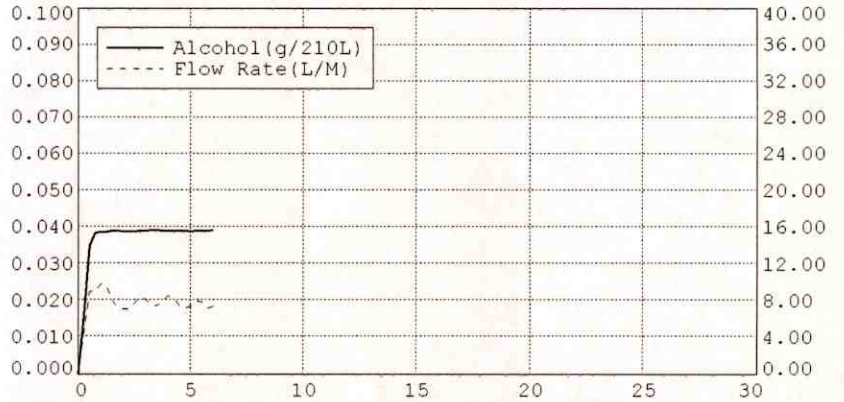
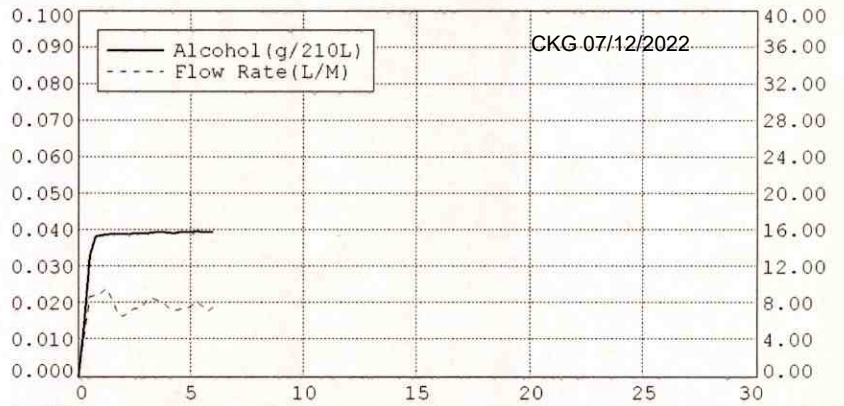
SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.040  
 TARGET AT 29.55: 0.040  
 TANK PRESSURE: 1230 psi

BLANK TEST	0.000	10:13
INTERNAL STANDARD	VERIFIED	10:13
EXTERNAL STANDARD	0.041	10:13
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.040	10:14
BLANK TEST	0.000	10:15
EXTERNAL STANDARD	0.040	10:15
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.041	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.040	10:18
BLANK TEST	0.000	10:18

Average = 0.0404  
 Std Dev = 0.0005

Lot # AG217904  
 Tank # 003  
 Exp. 28 Jun 2024  
 TAL 07/12/2022  
 Average: 0.039





SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100397

Date: 07/12/2022  
 Time: 10:06:19

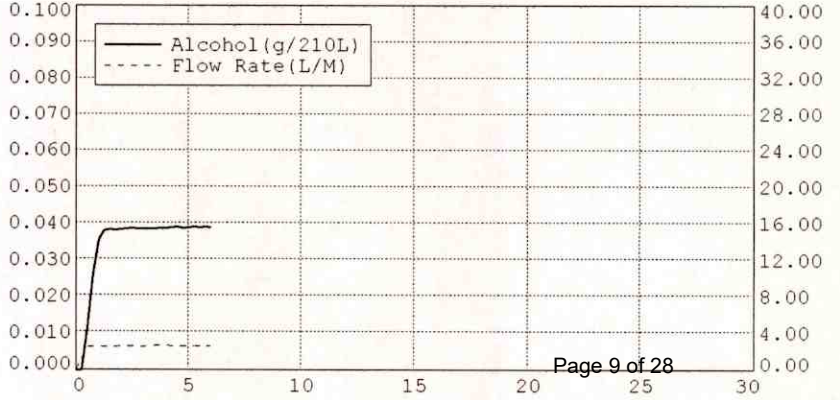
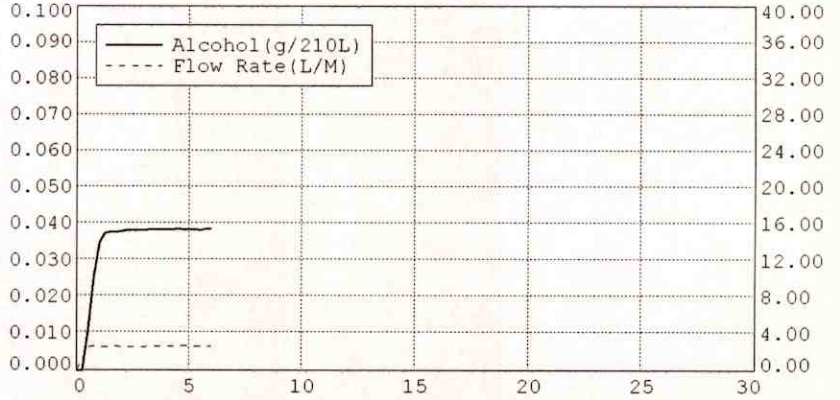
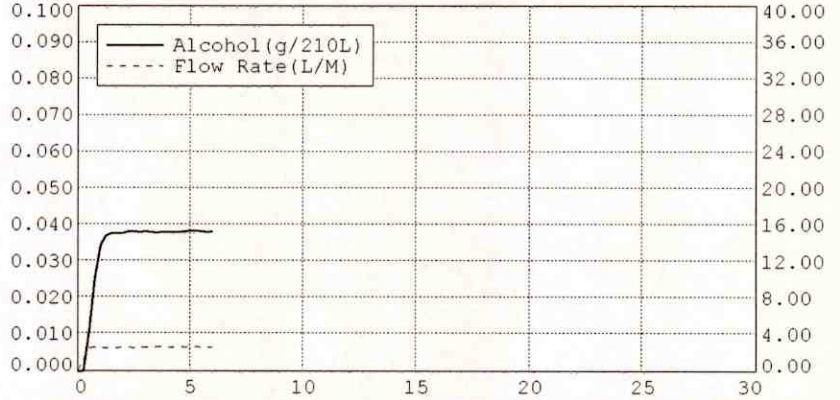
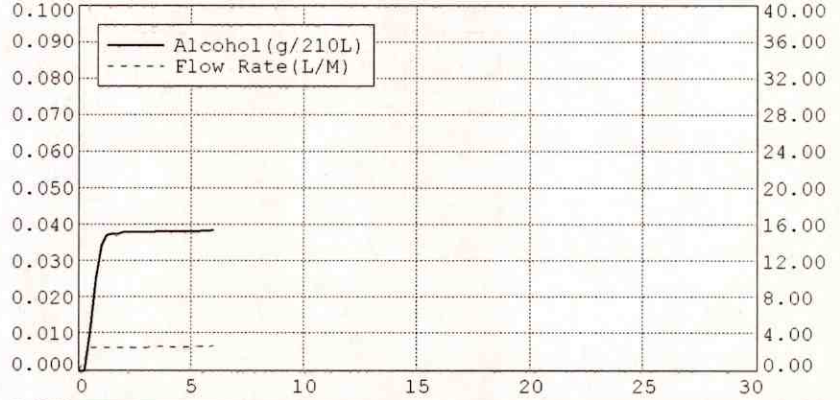
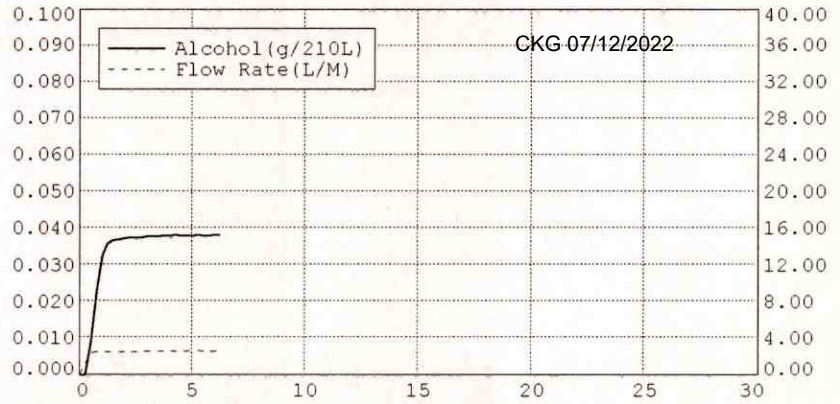
SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.040  
 TARGET AT 29.54: 0.039  
 TANK PRESSURE: 1166 psi

BLANK TEST	0.000	10:07
INTERNAL STANDARD	VERIFIED	10:07
EXTERNAL STANDARD	0.039	10:08
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.039	10:09
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.039	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.039	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.039	10:12
BLANK TEST	0.000	10:13

Average = 0.0390  
 Std Dev = 0.0000

Lot # AG217904  
 Tank # 003  
 Exp. 28 Jun 2024  
 TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100399

Date: 07/12/2022  
 Time: 09:46:13

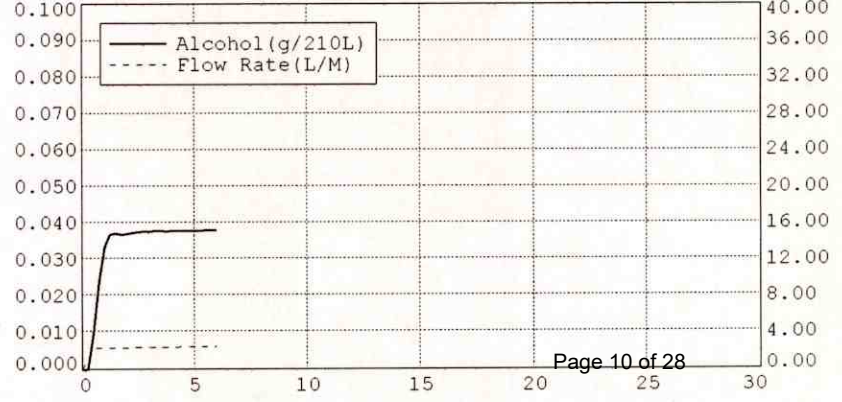
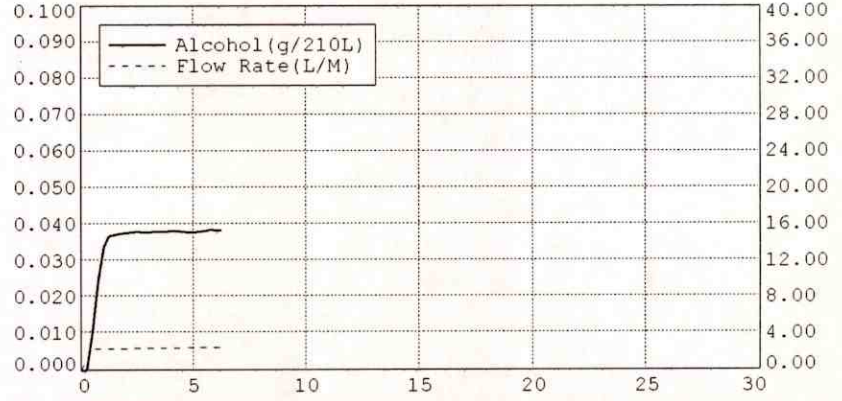
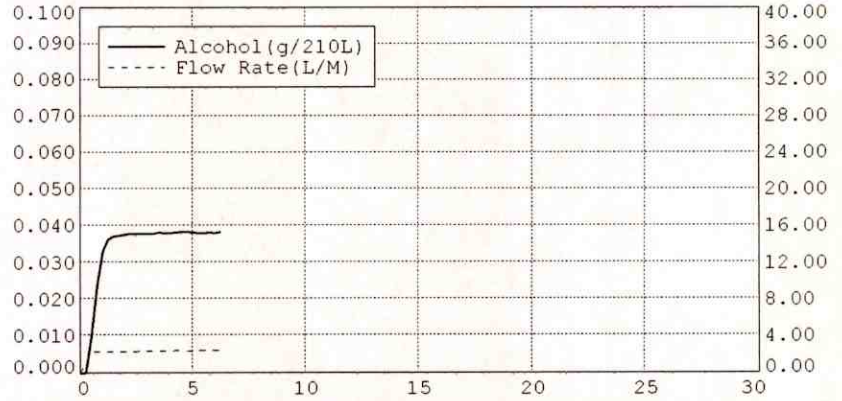
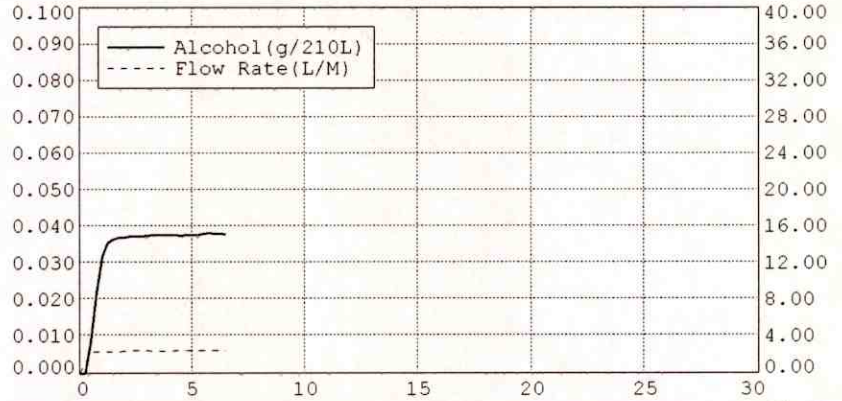
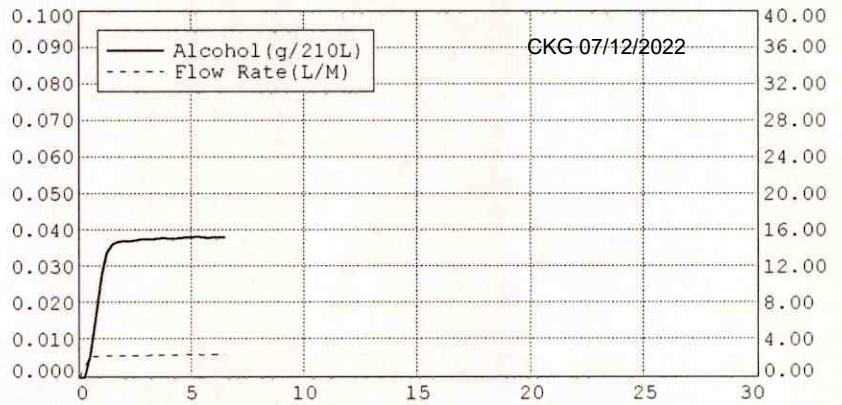
SUPERVISOR NAME:  
 TATIANA LEE  
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.040  
 TARGET AT 29.55: 0.040  
 TANK PRESSURE: 1241 psi

BLANK TEST	0.000	09:47
INTERNAL STANDARD	VERIFIED	09:47
EXTERNAL STANDARD	0.039	09:47
BLANK TEST	0.000	09:48
EXTERNAL STANDARD	0.039	09:49
BLANK TEST	0.000	09:49
EXTERNAL STANDARD	0.039	09:50
BLANK TEST	0.000	09:51
EXTERNAL STANDARD	0.039	09:51
BLANK TEST	0.000	09:52
EXTERNAL STANDARD	0.039	09:52
BLANK TEST	0.000	09:53

Average = 0.0390  
 Std Dev = 0.0000

Lot # AG217904  
 Tank # 003  
 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

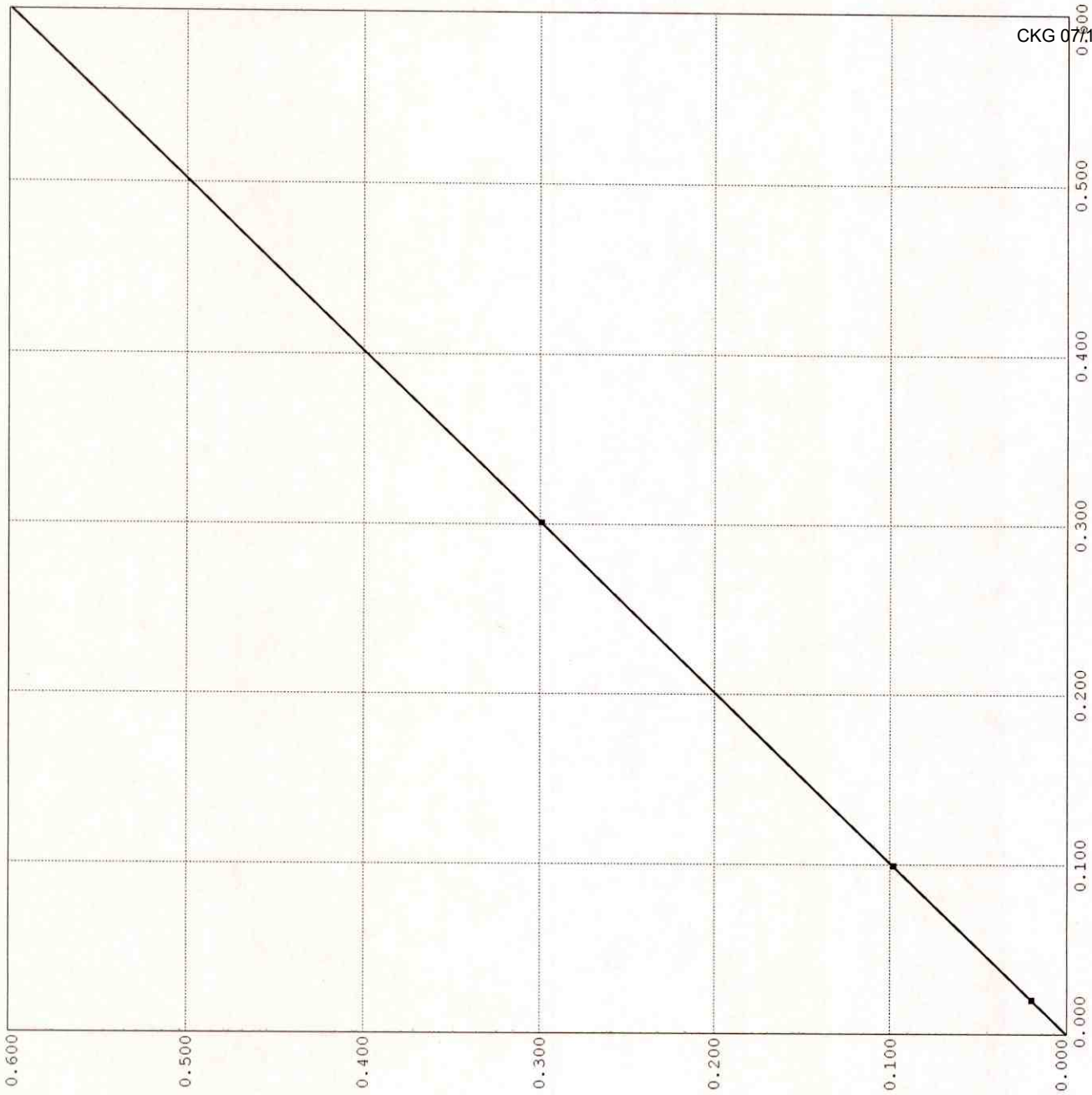
-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100375  
 -----

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

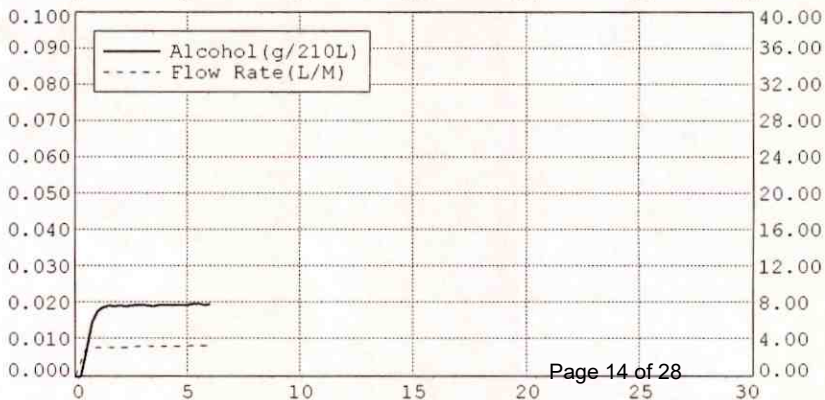
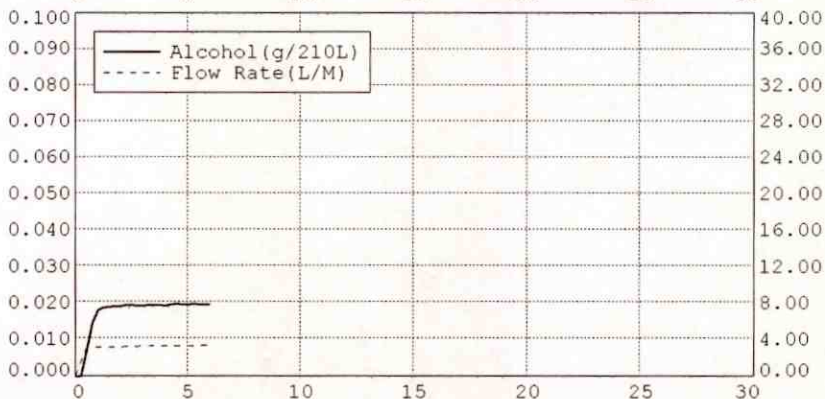
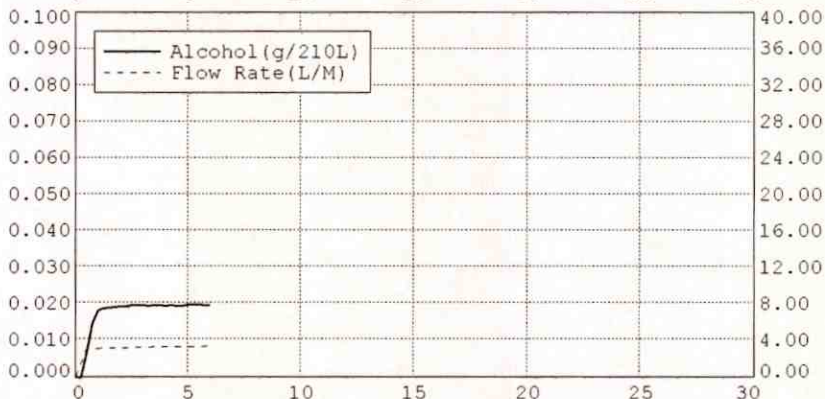
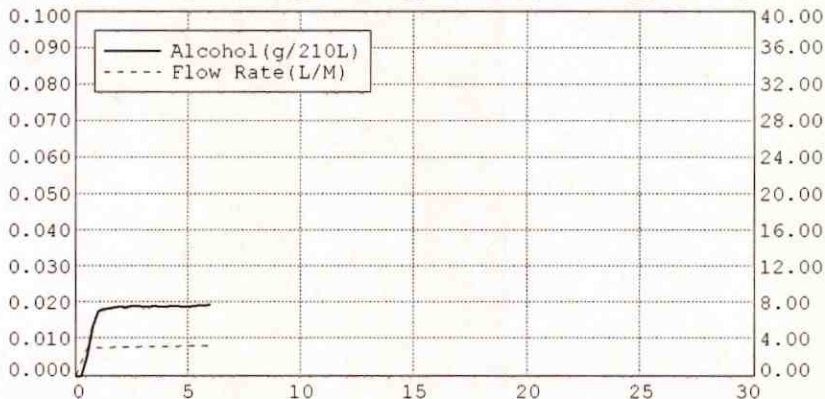
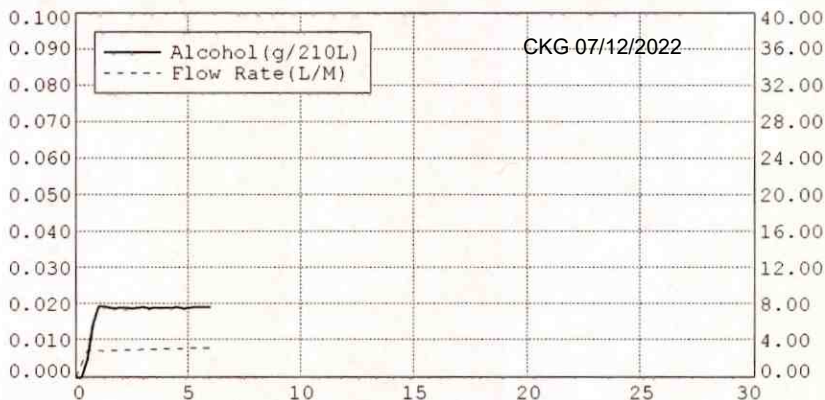
Date: 07/12/2022  
 Time: 08:16:07

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

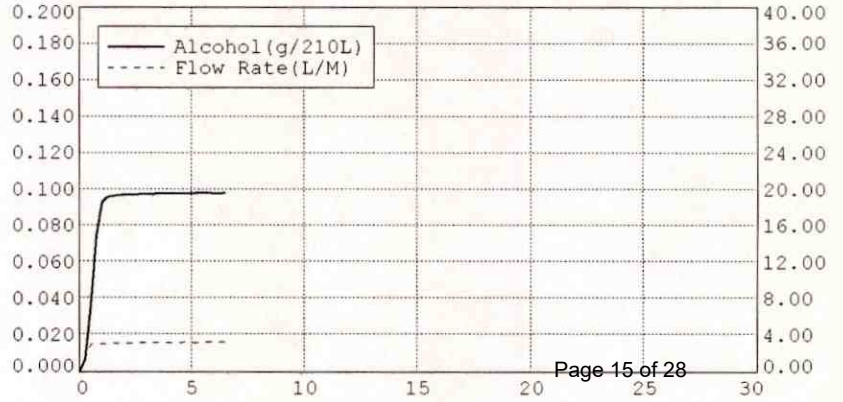
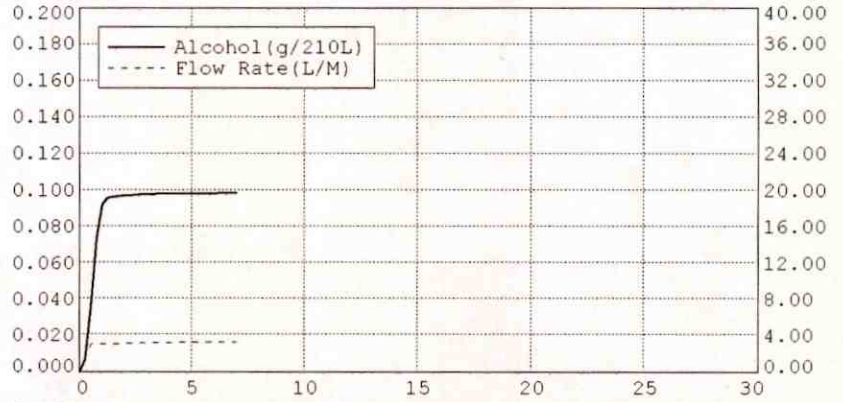
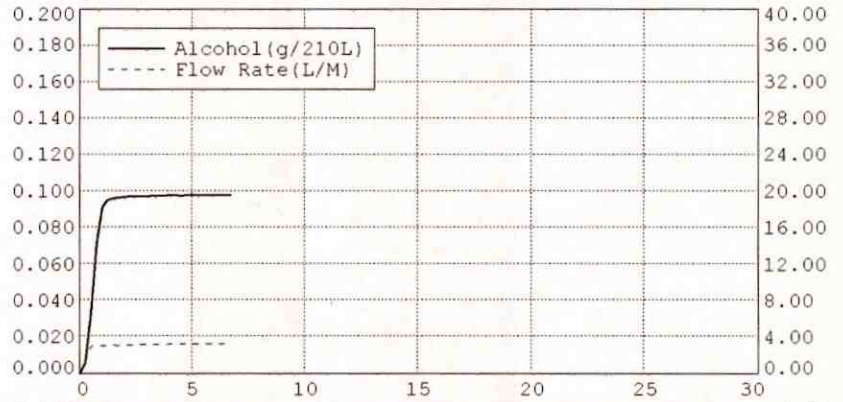
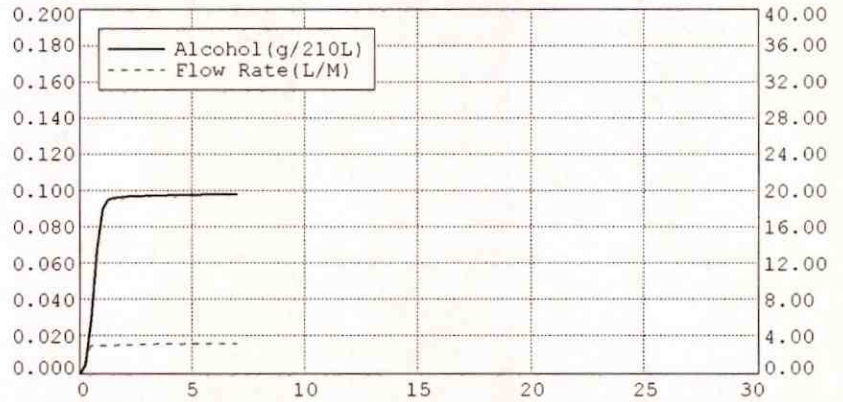
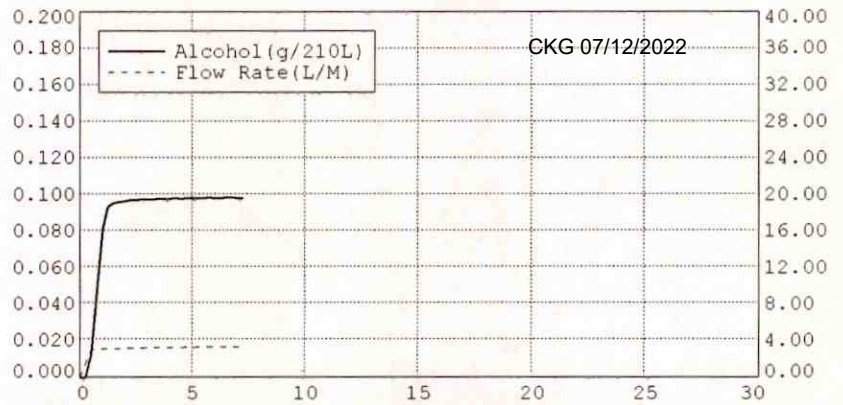
Date: 07/12/2022  
 Time: 08:28:33

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

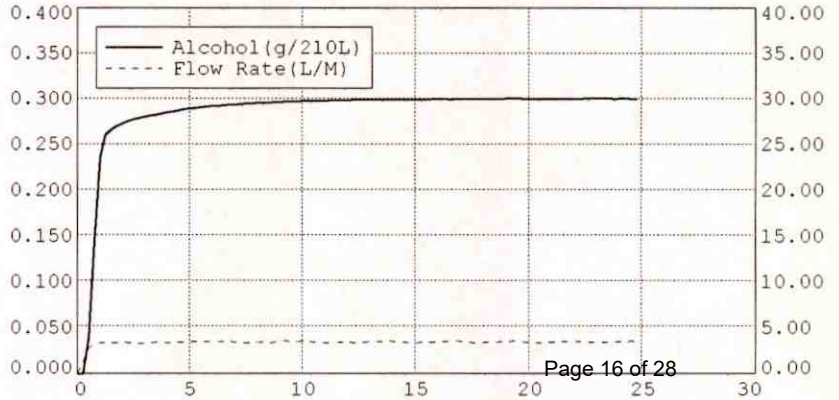
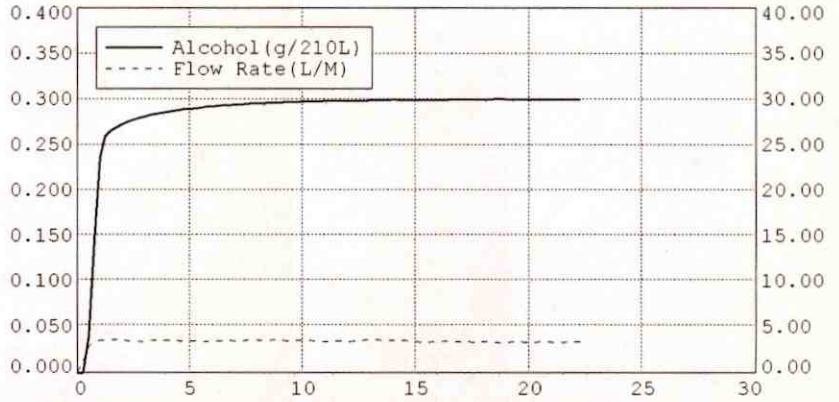
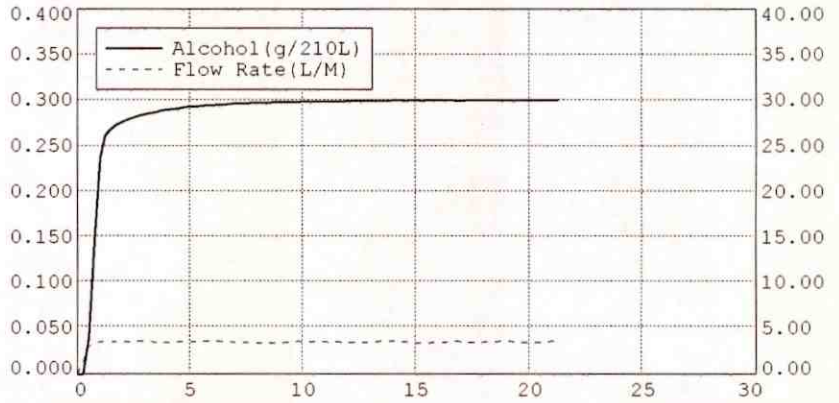
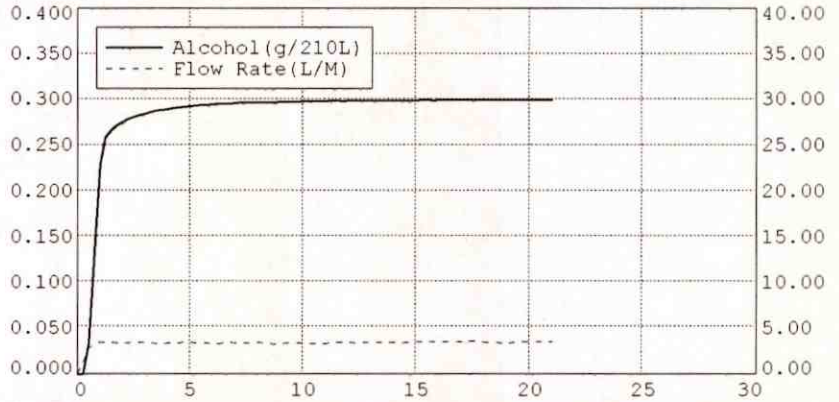
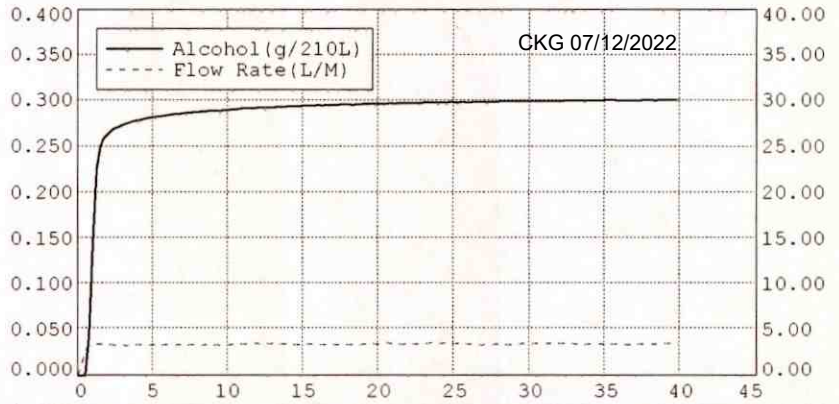
Date: 07/12/2022  
 Time: 08:47:03

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: 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 PASSED

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

In house instrument QA  
 TAL 07/12/2022

-----  
DATAMASTER dmt: 100397  
-----

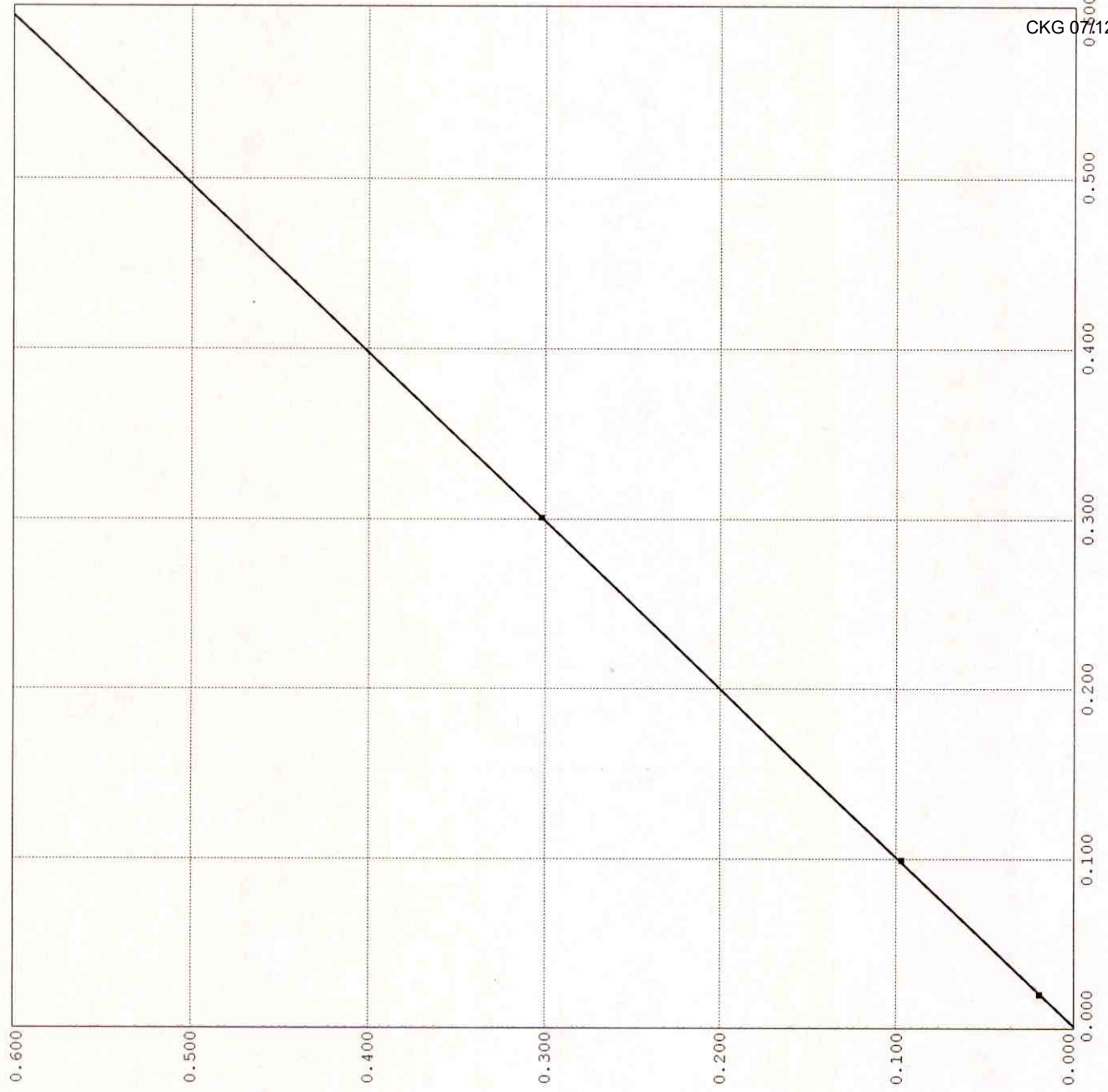
Date: 07/12/2022  
Time: 7:51 AM

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		

TAL

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
DATAMASTER dmt: 100397

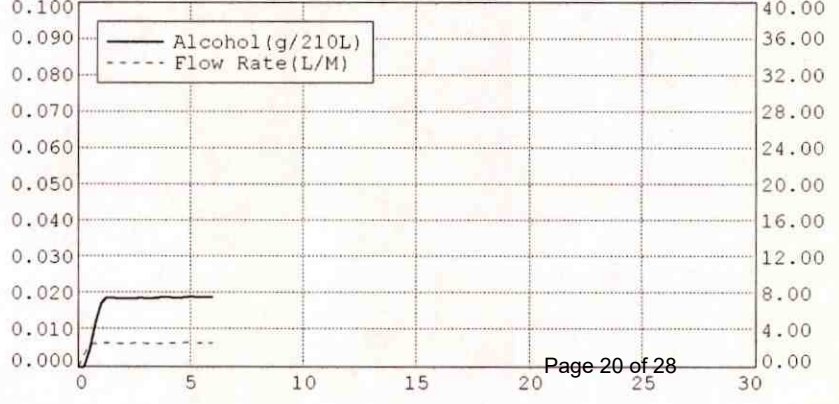
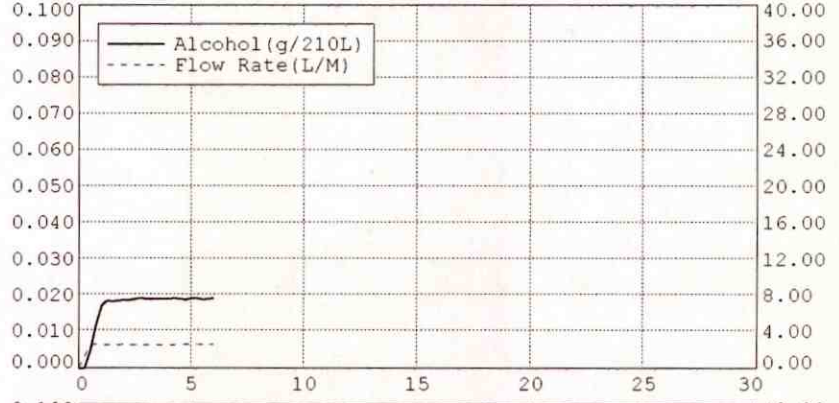
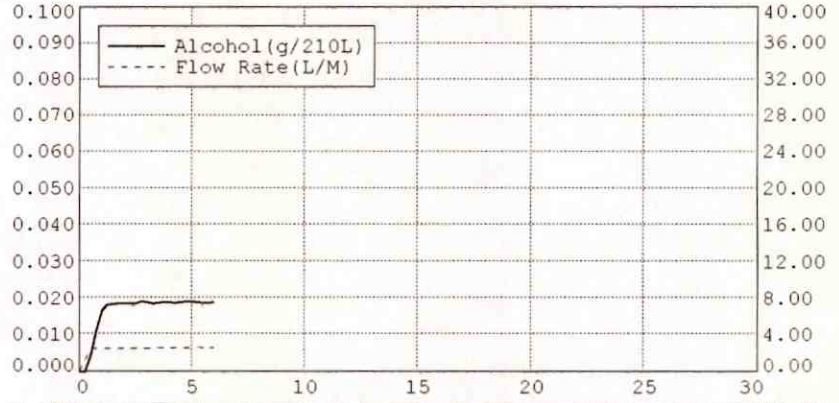
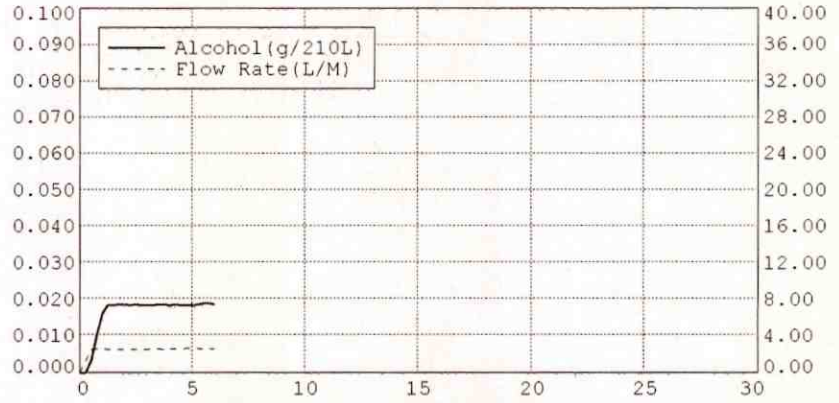
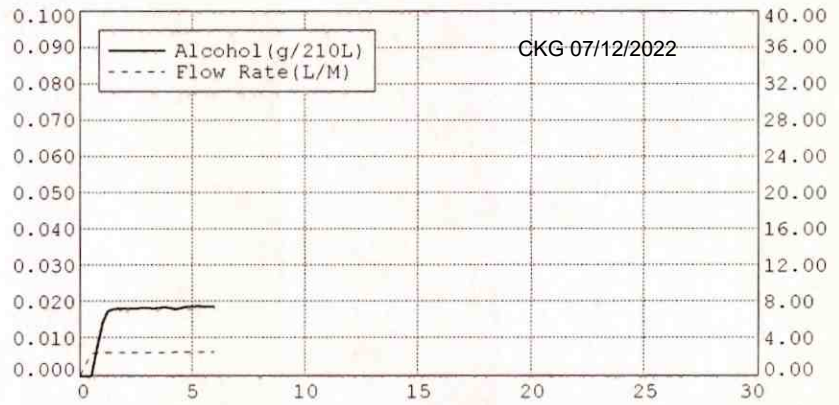
Date: 07/12/2022  
Time: 07:59:25

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

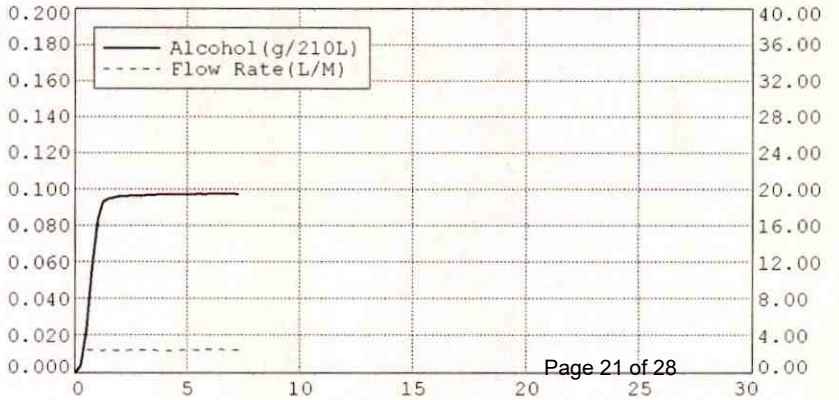
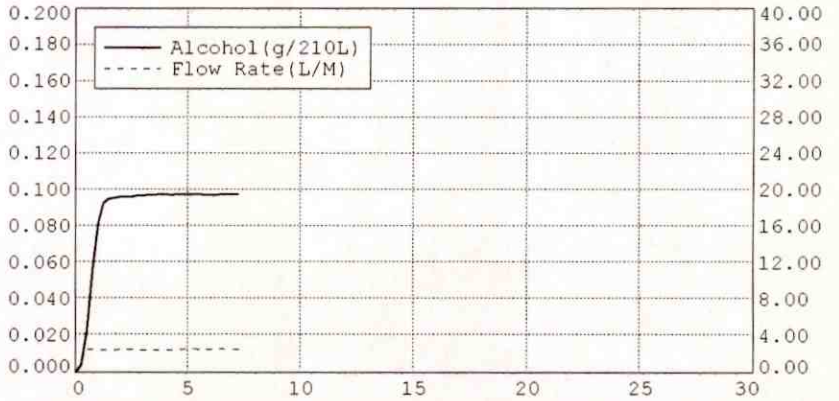
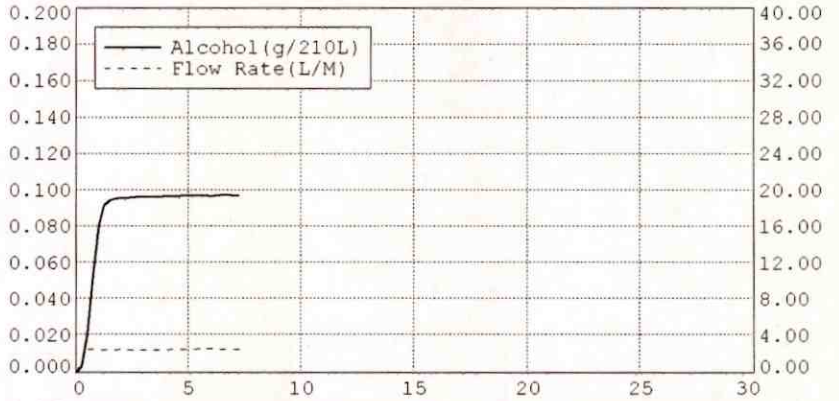
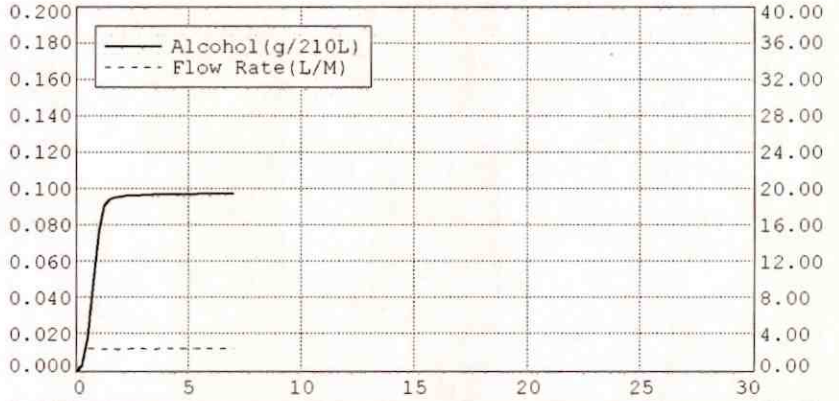
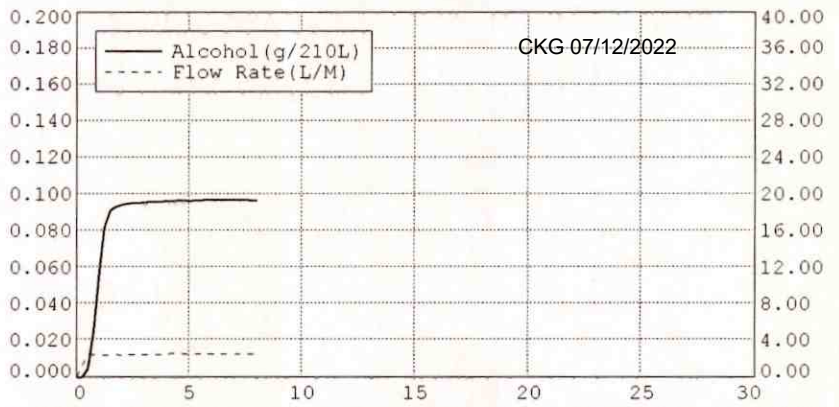
Date: 07/12/2022  
Time: 08:07:29

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

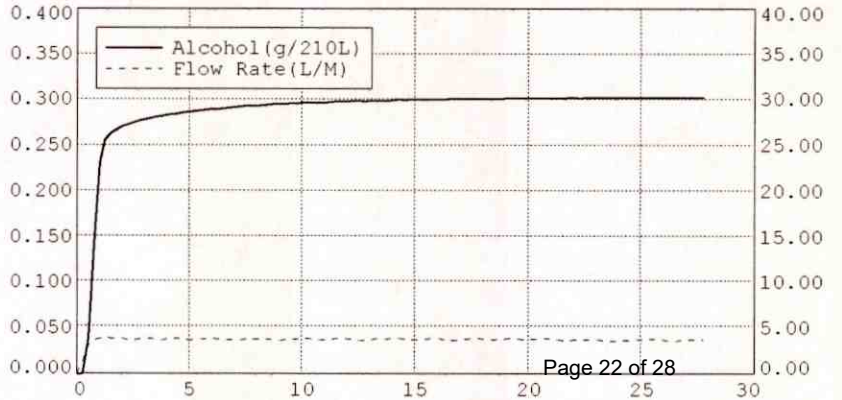
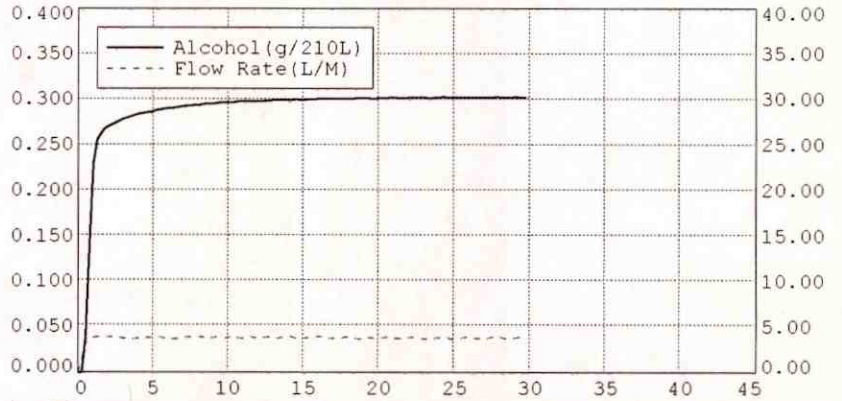
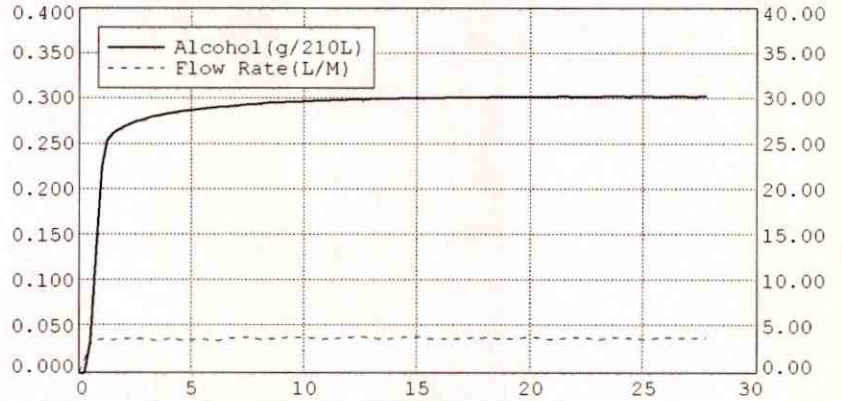
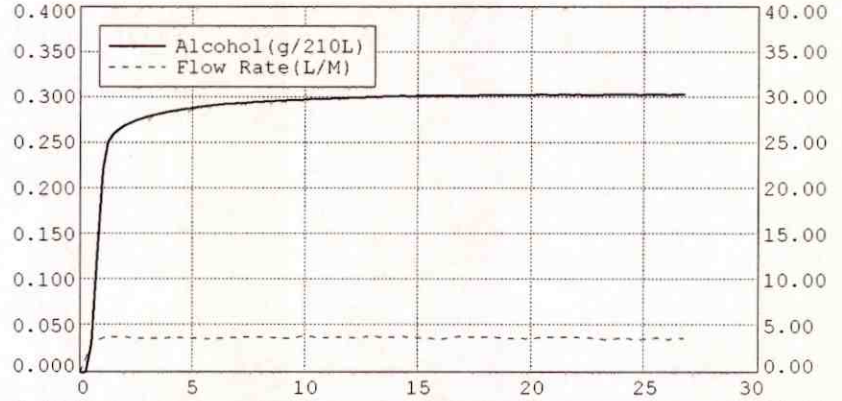
Date: 07/12/2022  
 Time: 08:44:39

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

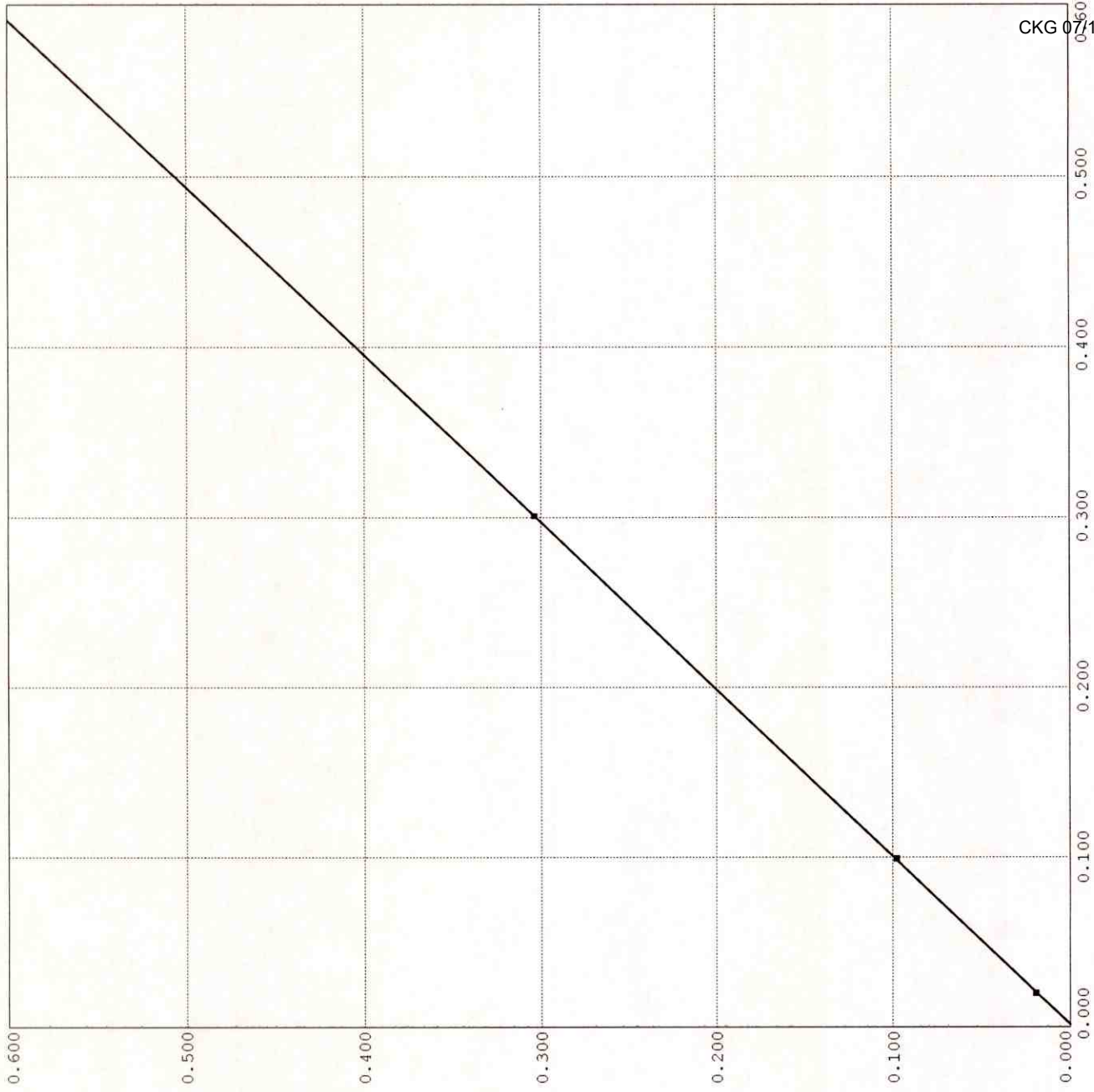
Settings

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  
 R<sup>2</sup> = 0.999976

TAL

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100399

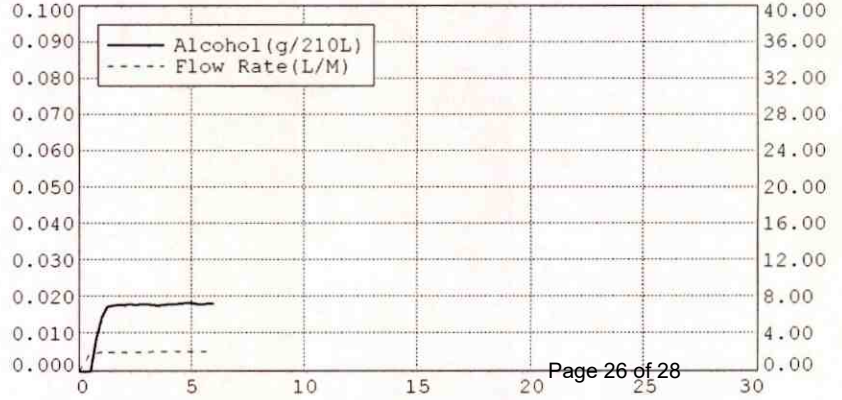
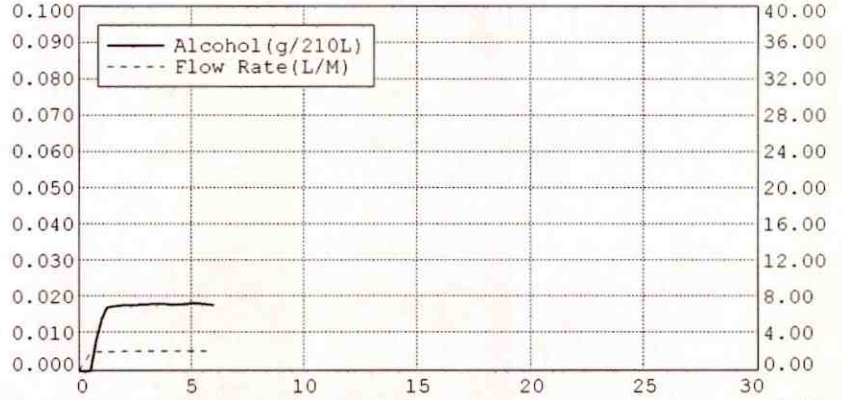
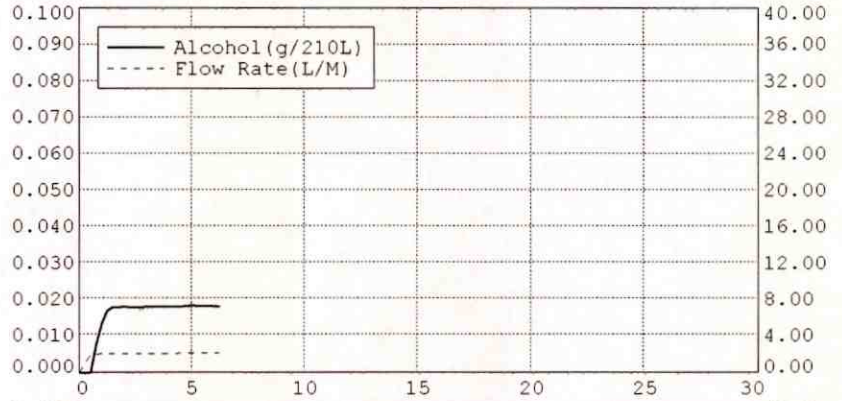
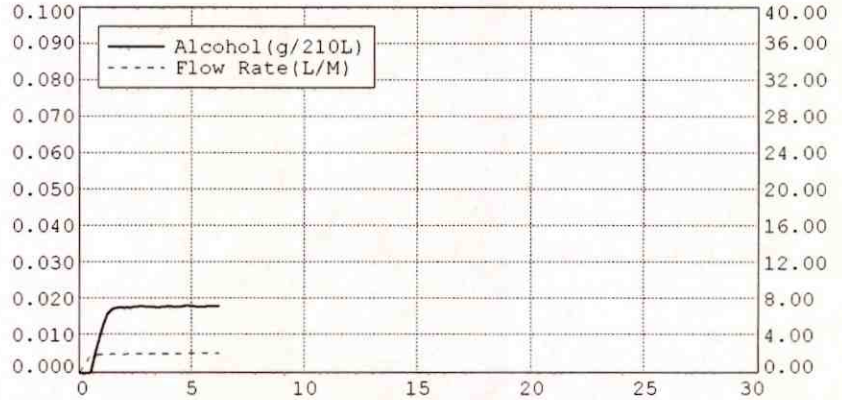
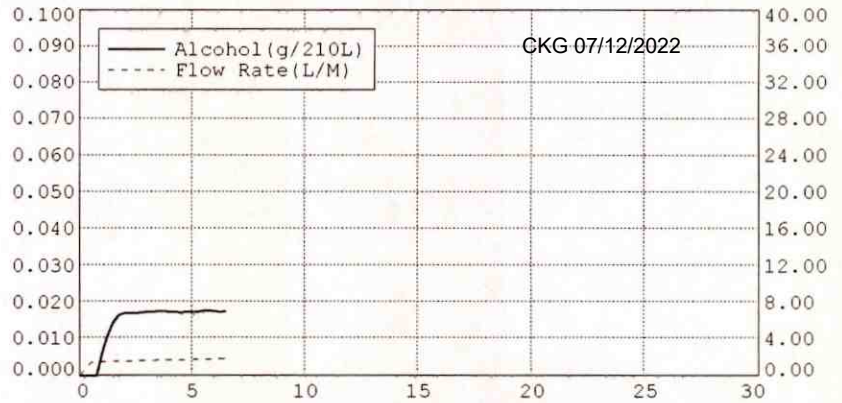
Date: 07/12/2022  
 Time: 08:08:30

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

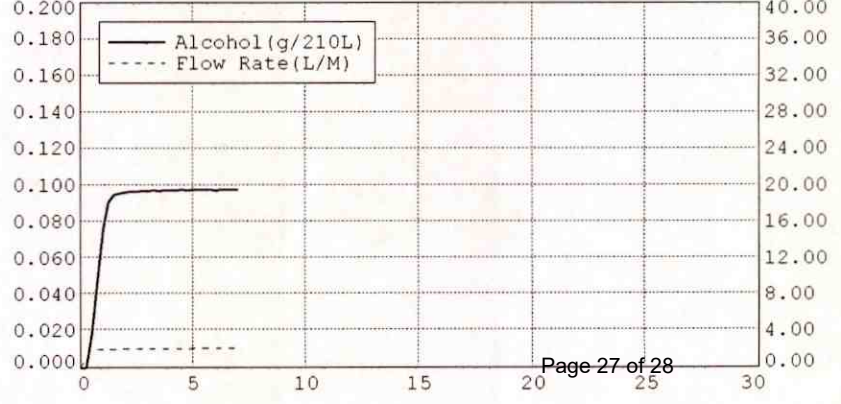
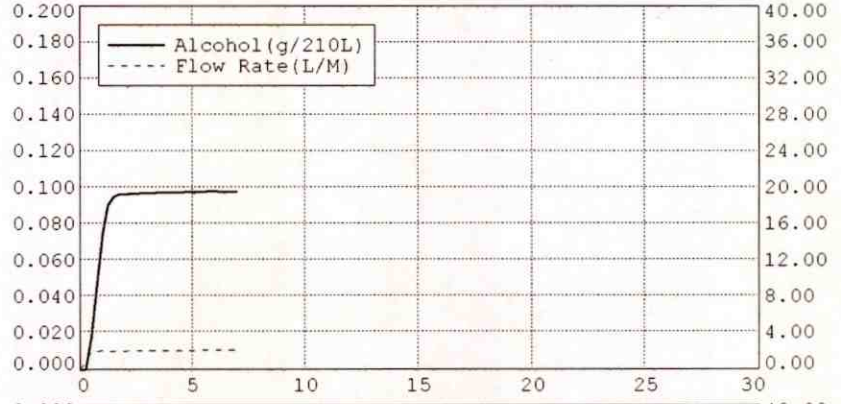
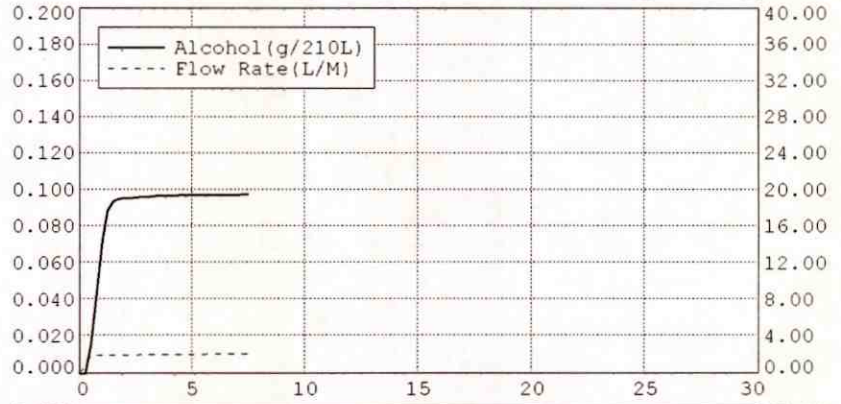
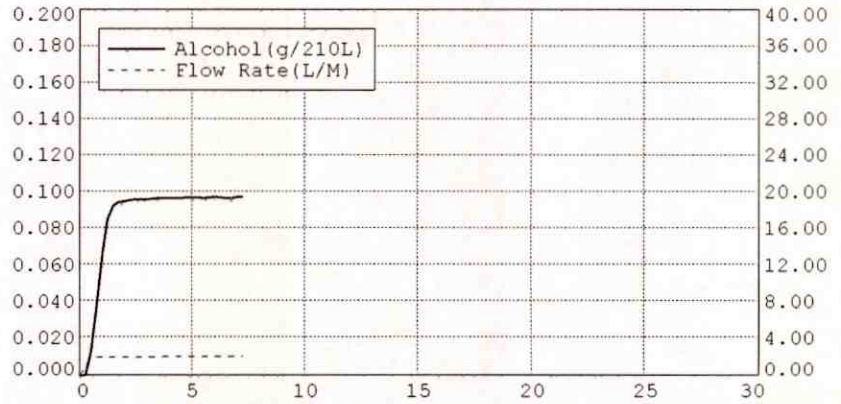
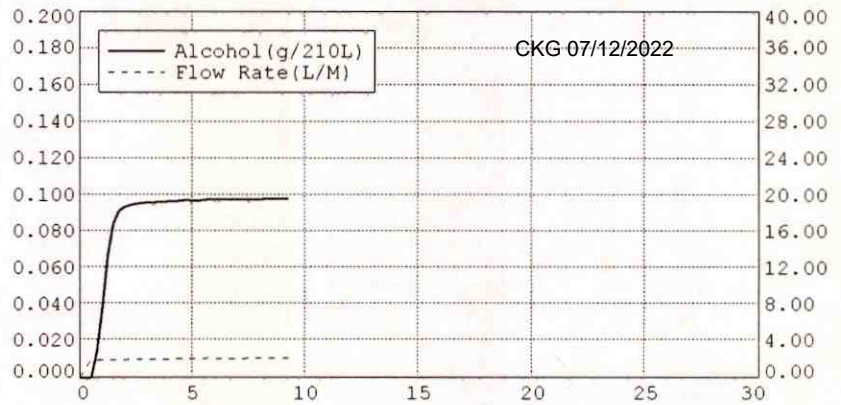
Date: 07/12/2022  
 Time: 08:19:46

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

