



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: 21-Apr-2022

Lot # AG211003 Model 108

Exp Date 20-Apr-2024	Cyl. Type 108	Component Ethanol Nitrogen	Certified Concentration 0.100 ± 2% BrAC (260 ppm)
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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: 04.28.2022 15:29

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: 10:59:21

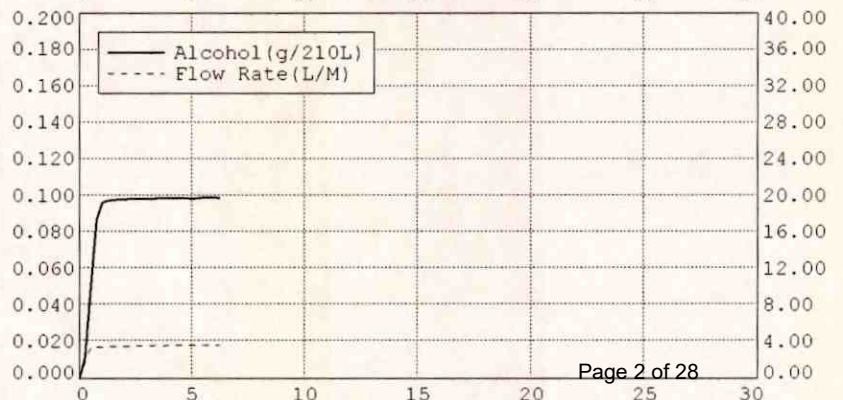
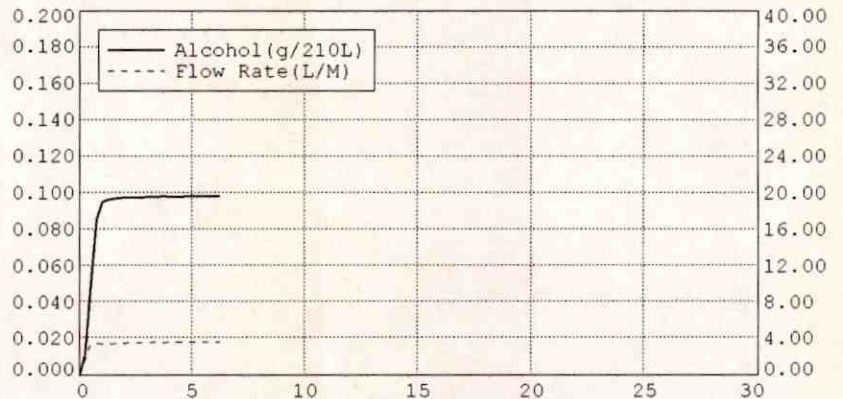
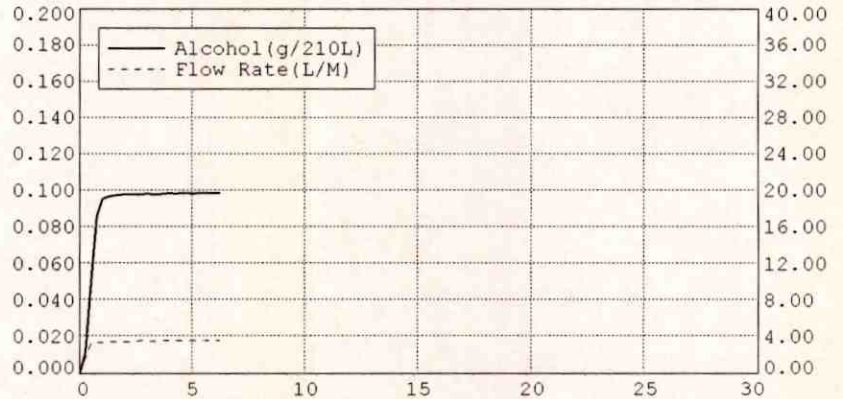
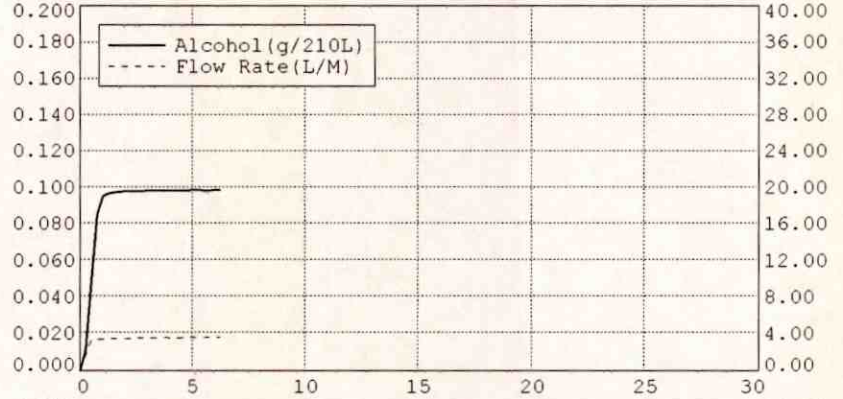
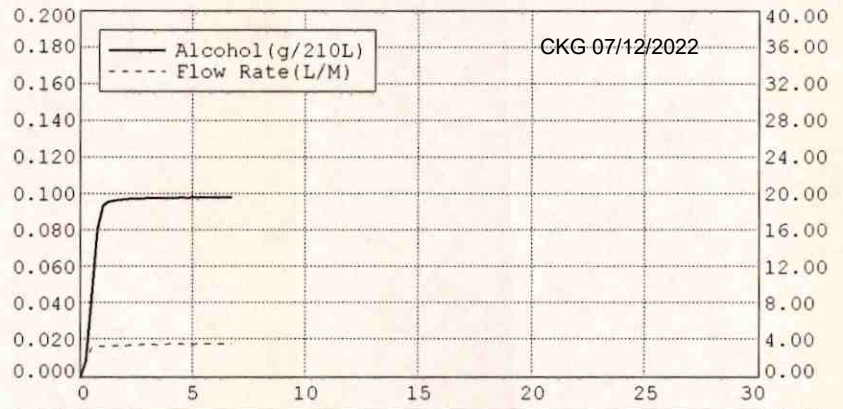
SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.55: 0.099
 TANK PRESSURE: 1172 psi

BLANK TEST	0.000	11:00
INTERNAL STANDARD	VERIFIED	11:00
EXTERNAL STANDARD	0.099	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.099	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.099	11:03
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.099	11:04
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.099	11:05
BLANK TEST	0.000	11:06

Average = 0.0990
 Std Dev = 0.0000

Lot # A6121100B
 Tank # 008
 Exp. 20 Apr. 2024
 TAL 07/12/2022
 Average: 0.099



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 07/12/2022
Time: 10:25:03

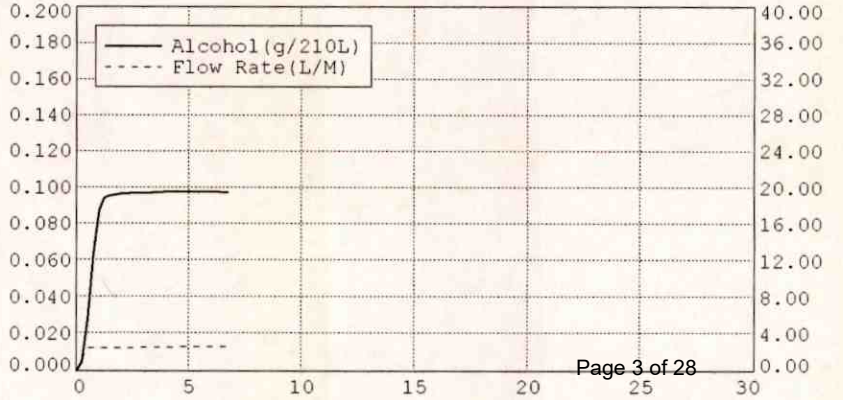
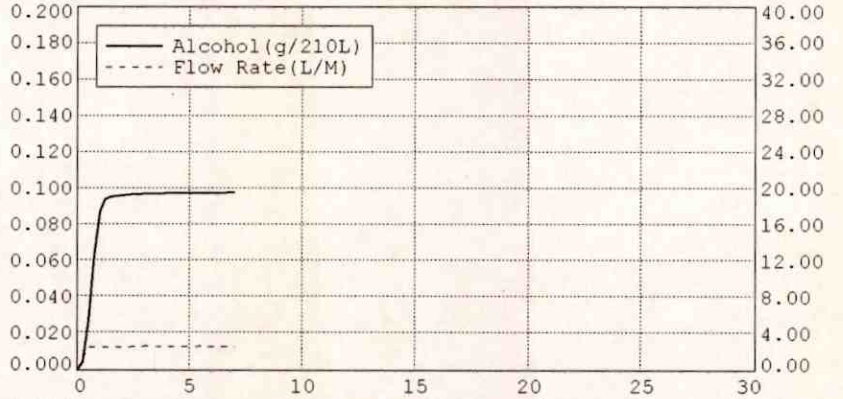
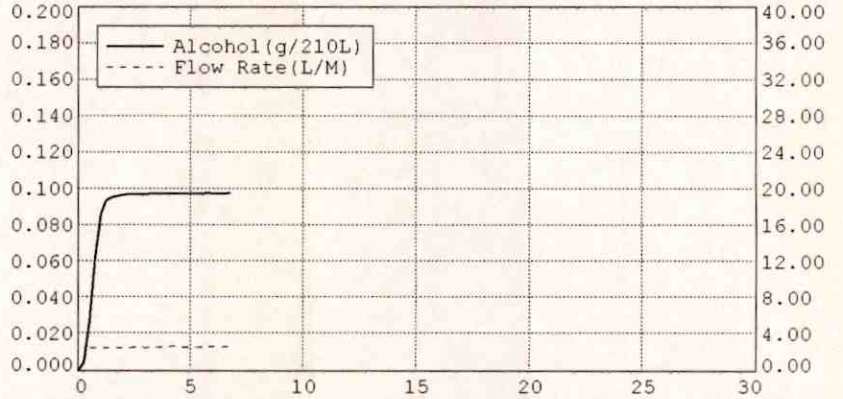
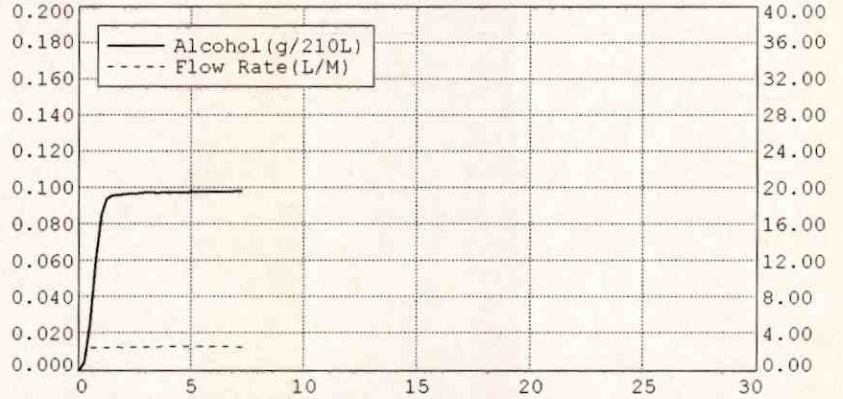
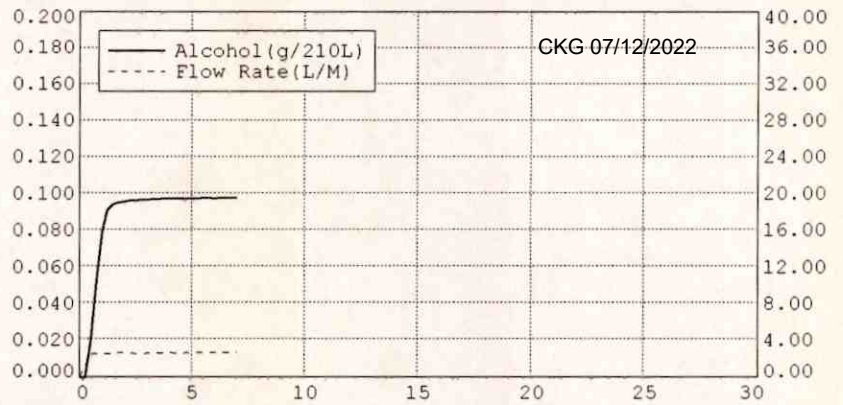
SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100
TARGET AT 29.54: 0.099
TANK PRESSURE: 1183 psi

BLANK TEST	0.000	10:26
INTERNAL STANDARD	VERIFIED	10:26
EXTERNAL STANDARD	0.098	10:26
BLANK TEST	0.000	10:27
EXTERNAL STANDARD	0.099	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.098	10:29
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.098	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.099	10:31
BLANK TEST	0.000	10:32

Average = 0.0984
Std Dev = 0.0005

Lot # AG211003
Tank # 008
Exp. 20 APR 2024
TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 07/12/2022
Time: 10:15:43

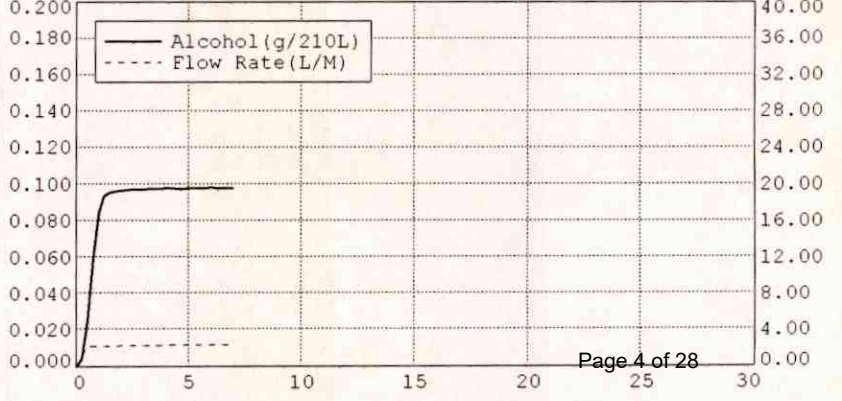
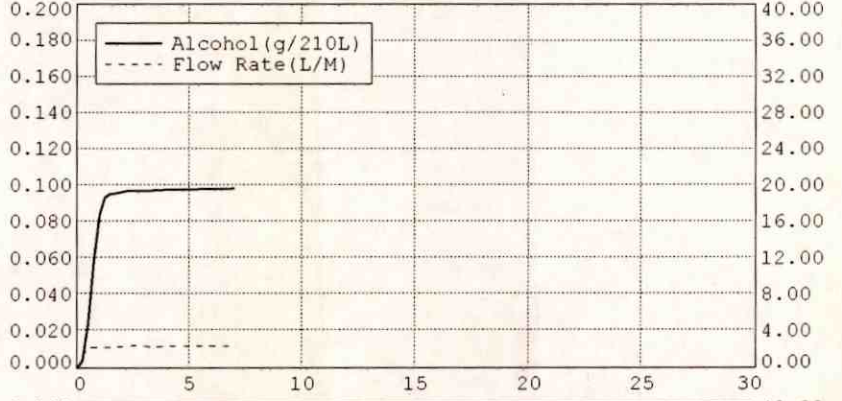
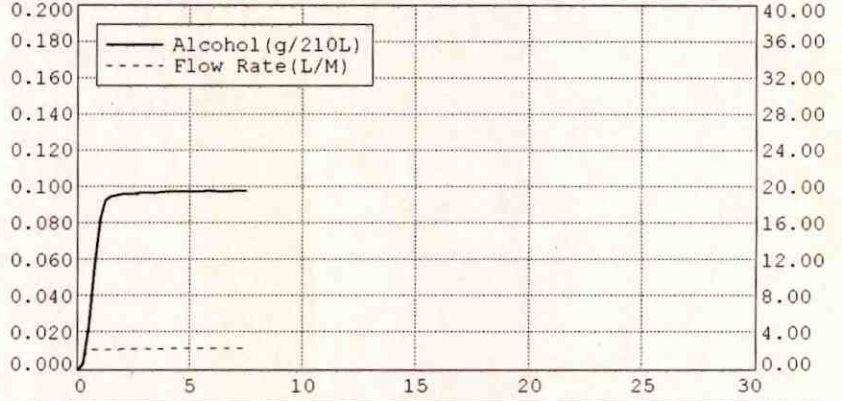
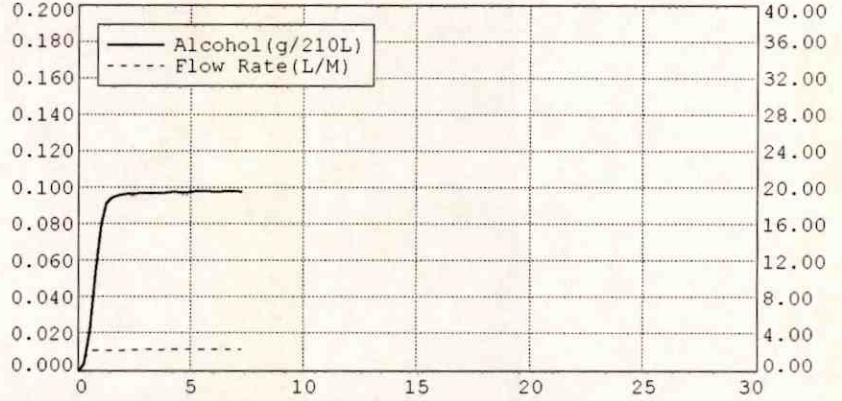
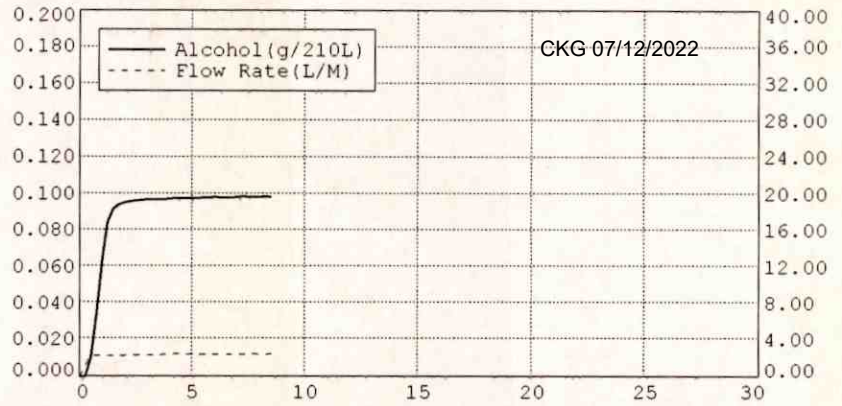
SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100
TARGET AT 29.54: 0.099
TANK PRESSURE: 1209 psi

BLANK TEST	0.000	10:17
INTERNAL STANDARD	VERIFIED	10:17
EXTERNAL STANDARD	0.100	10:17
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.099	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.099	10:19
BLANK TEST	0.000	10:20
EXTERNAL STANDARD	0.099	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.099	10:21
BLANK TEST	0.000	10:22

Average = 0.0992
Std Dev = 0.0004

Lot # A6121100B
Tank # 008
Exp. 20 APR 2024
TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 07/12/2022
 Time: 10:31:44

SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

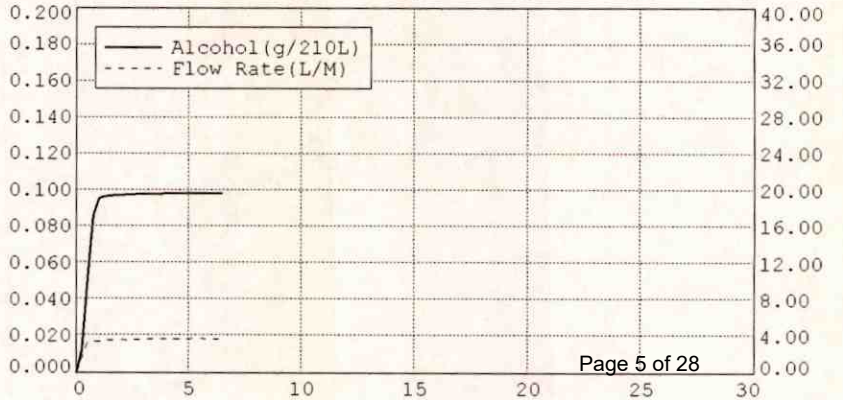
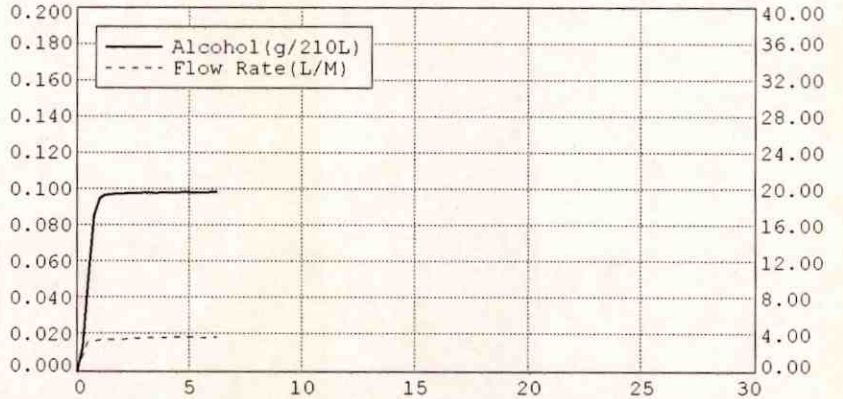
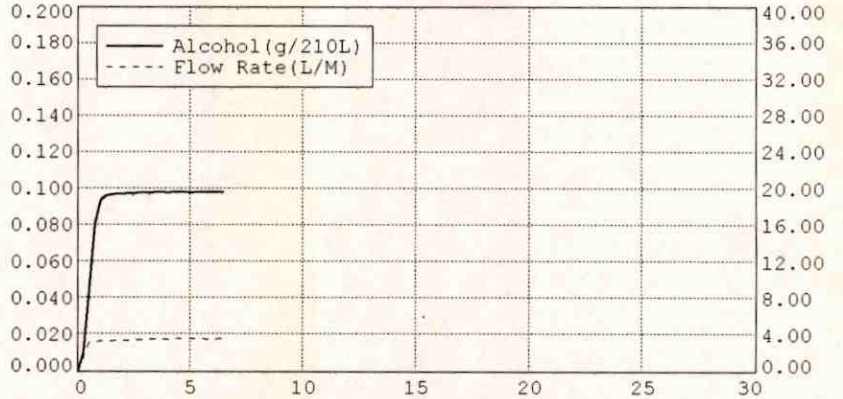
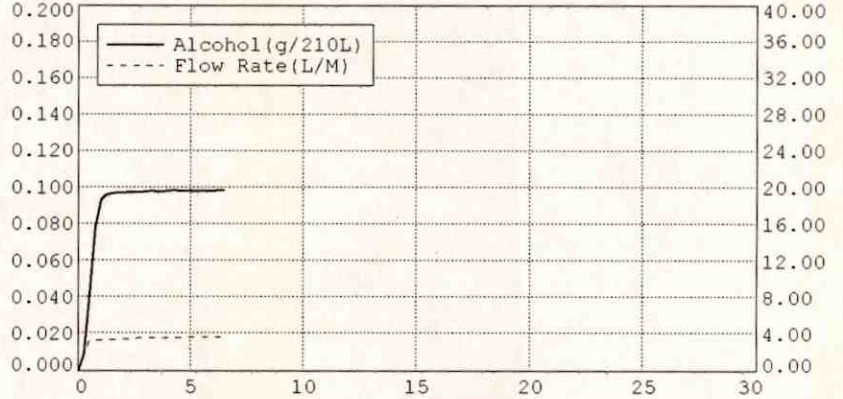
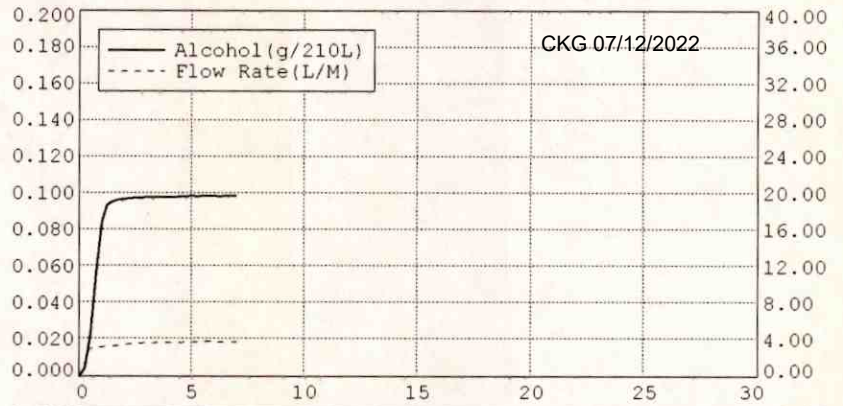
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.55: 0.099
 TANK PRESSURE: 1206 psi

BLANK TEST	0.000	10:33
INTERNAL STANDARD	VERIFIED	10:33
EXTERNAL STANDARD	0.099	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.099	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.099	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.099	10:36
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.099	10:38
BLANK TEST	0.000	10:38

Average = 0.0990
 Std Dev = 0.0000

Lot # AG211003
 Tank # 011
 Exp. 20 Apr. 2024
 07/12/2022

Average: 0.099



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 07/12/2022
 Time: 10:34:39

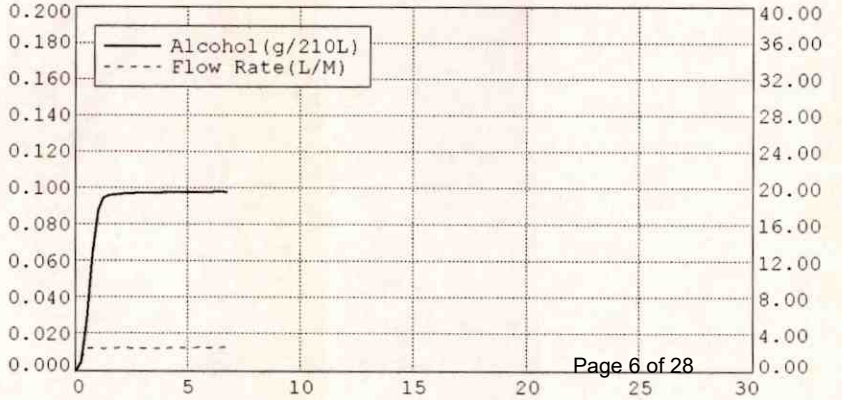
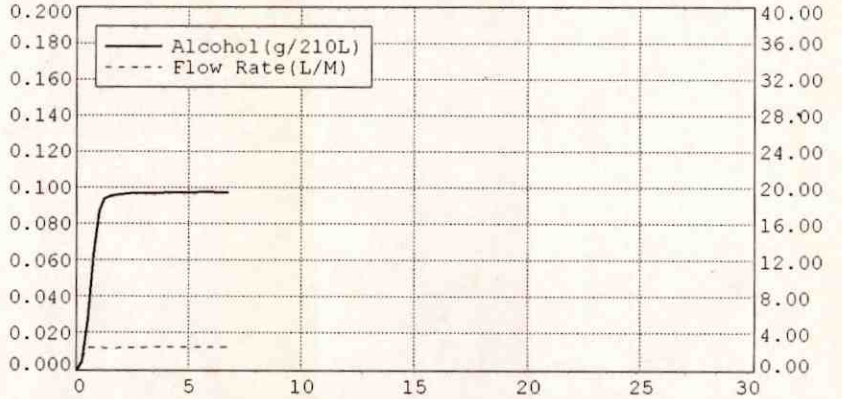
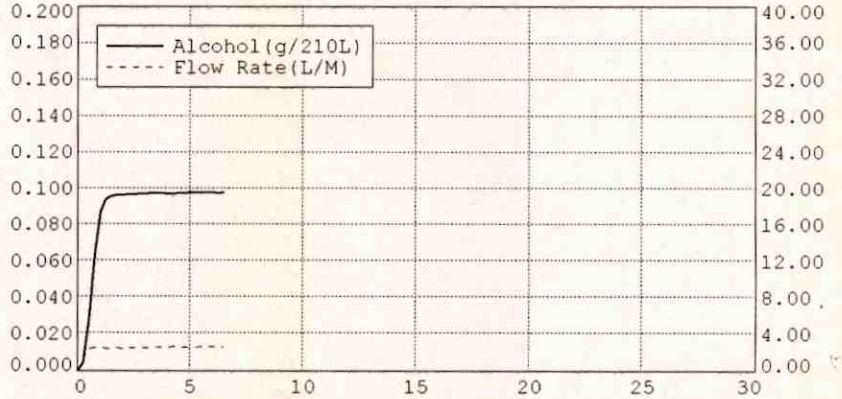
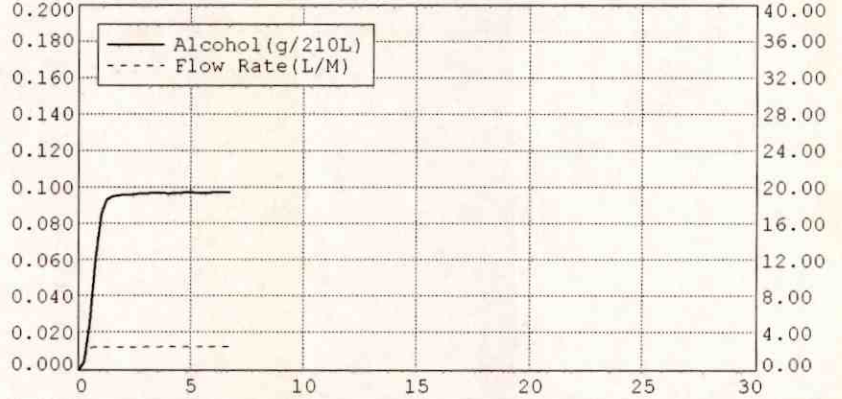
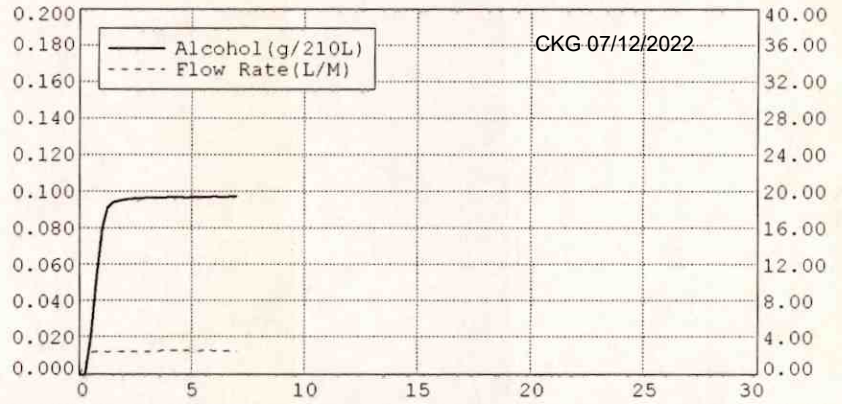
SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.55: 0.099
 TANK PRESSURE: 1156 psi

BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:38
EXTERNAL STANDARD	0.098	10:38
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.098	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.098	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.098	10:41
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.098	10:42
BLANK TEST	0.000	10:43

Average = 0.0980
 Std Dev = 0.0000

Lot # AG211003
 Tank # 011
 Exp. 20 APR 2024
 TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 07/12/2022
 Time: 10:23:58

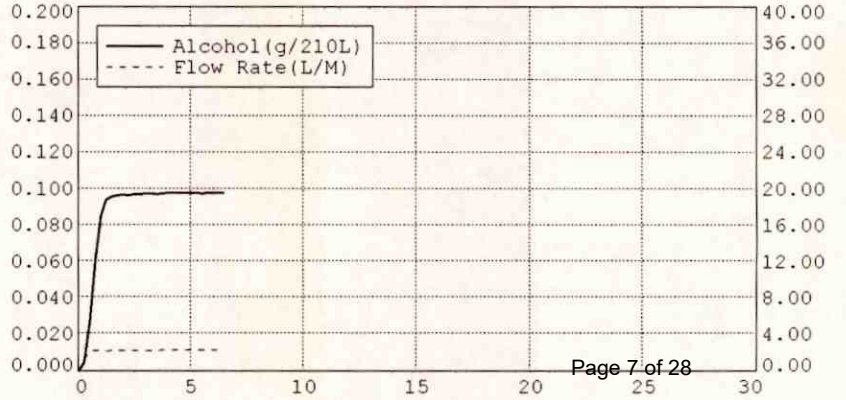
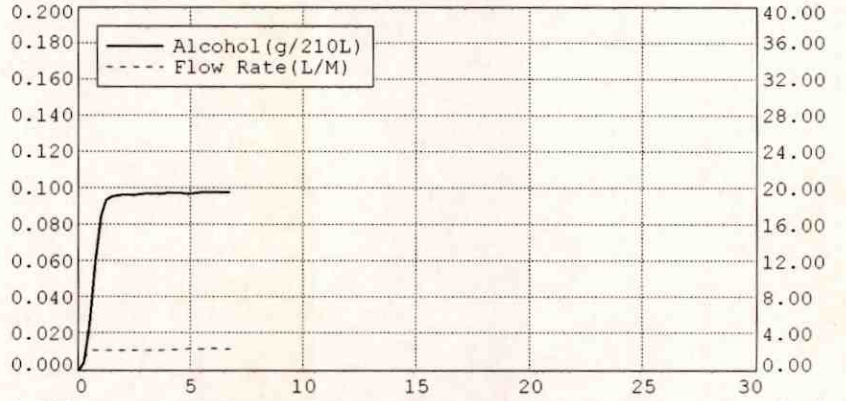
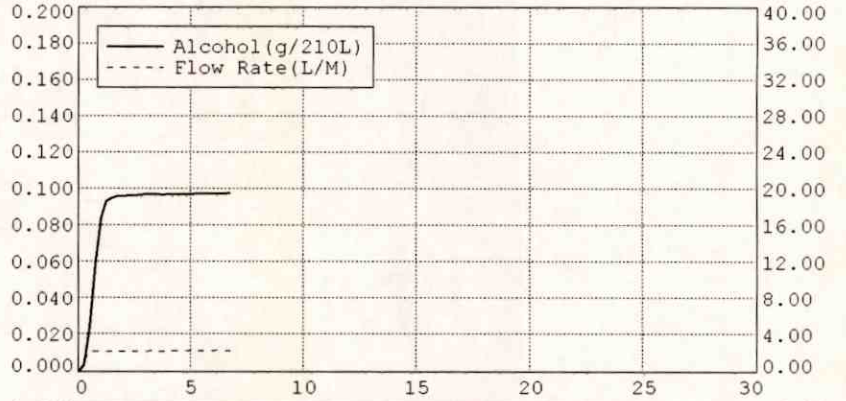
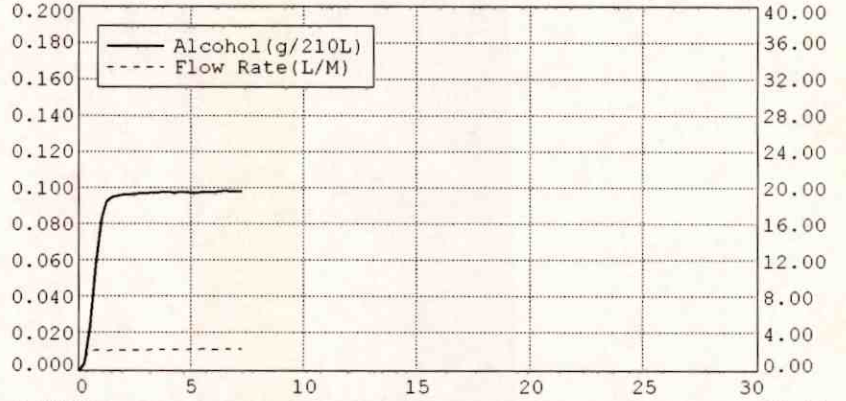
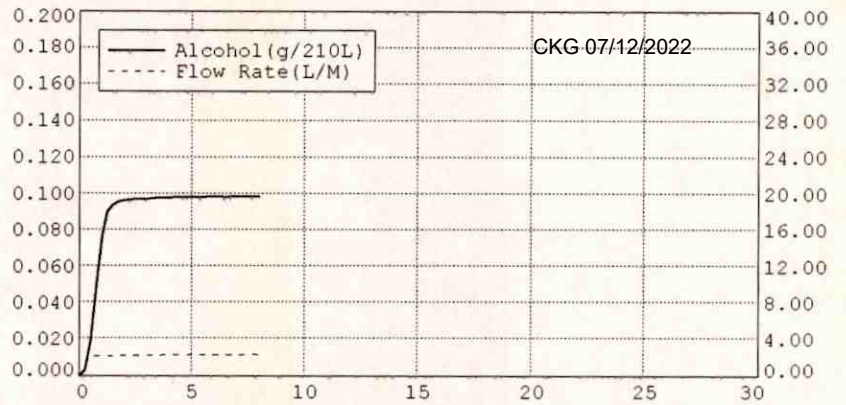
SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.54: 0.099
 TANK PRESSURE: 1190 psi

BLANK TEST	0.000	10:28
INTERNAL STANDARD	VERIFIED	10:28
EXTERNAL STANDARD	0.100	10:29
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.099	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.099	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.099	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.099	10:33
BLANK TEST	0.000	10:34

Average = 0.0992
 Std Dev = 0.0004

Lot # A6211003
 Tank # 011
 Exp. 20 APR 2024
 TAL 07/12/2022



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 07/12/2022
Time: 10:50:48

SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

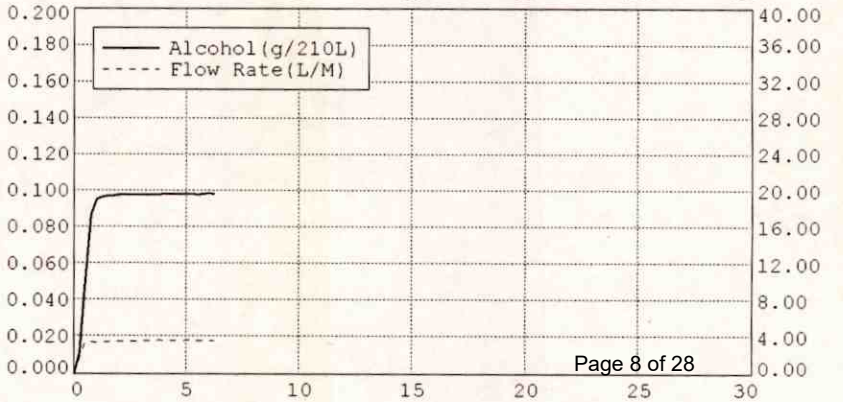
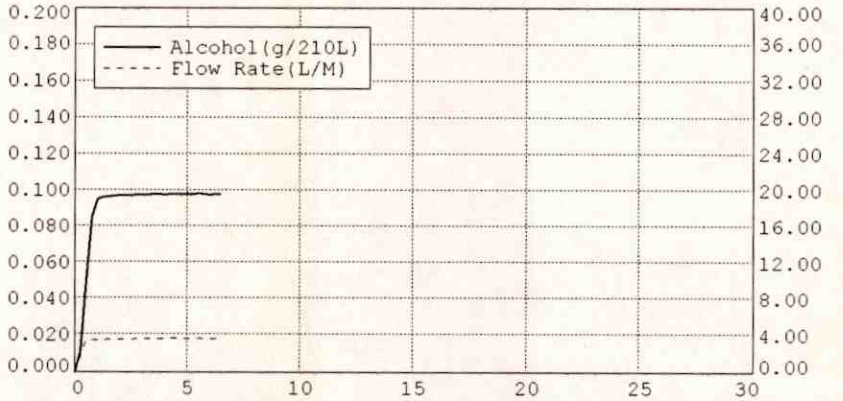
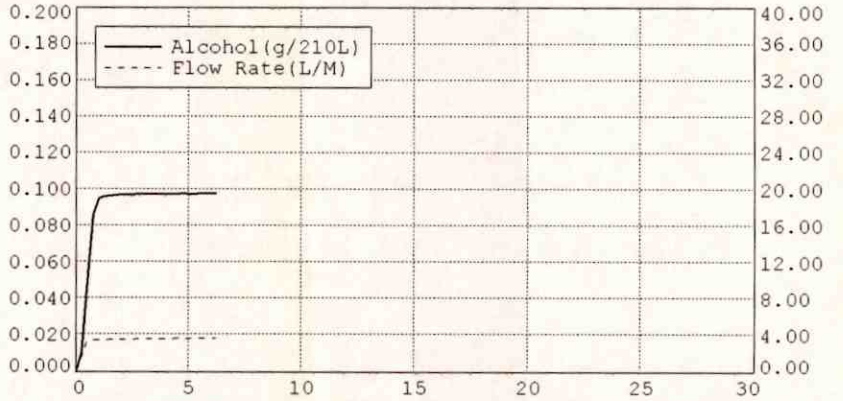
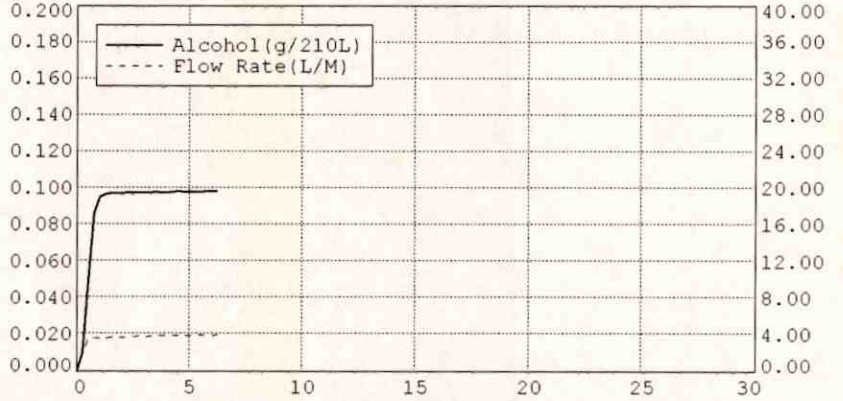
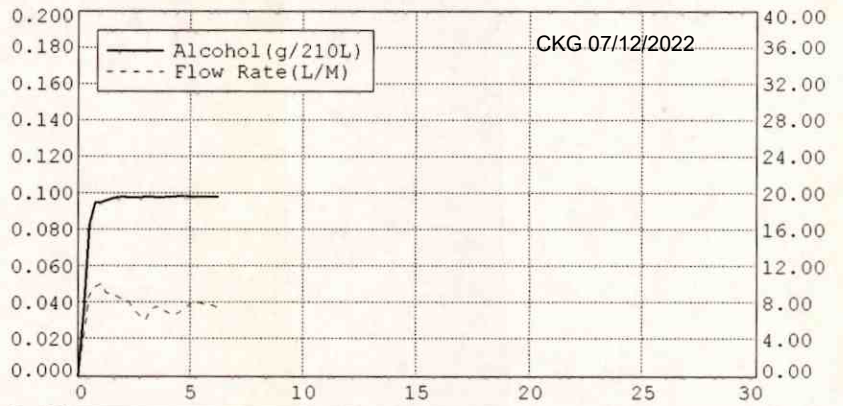
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100
TARGET AT 29.54: 0.099
TANK PRESSURE: 1142 psi

BLANK TEST	0.000	10:51
INTERNAL STANDARD	VERIFIED	10:51
EXTERNAL STANDARD	0.099	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.099	10:53
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.098	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.098	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.099	10:56
BLANK TEST	0.000	10:57

Average = 0.0986
Std Dev = 0.0005

lot # AG211003
Tank # 014
Exp. 20 Apr 2024
TAL 07/12/2022

Average: 0.099



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 07/12/2022
Time: 10:14:33

SUPERVISOR NAME:
TATIANA LEE
OPERATOR'S #: 10437

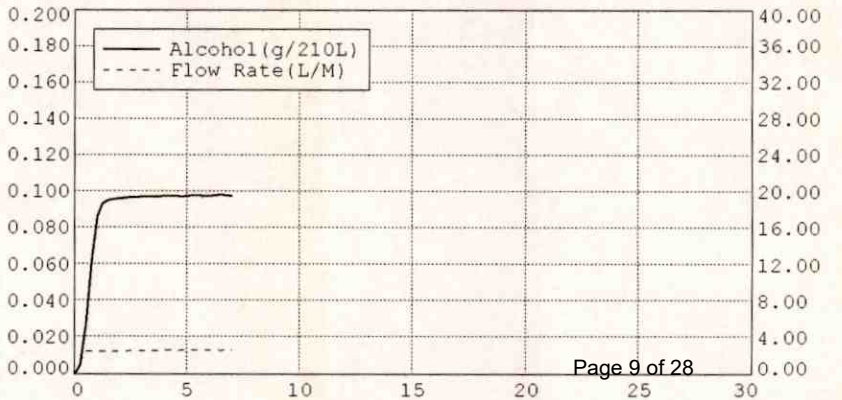
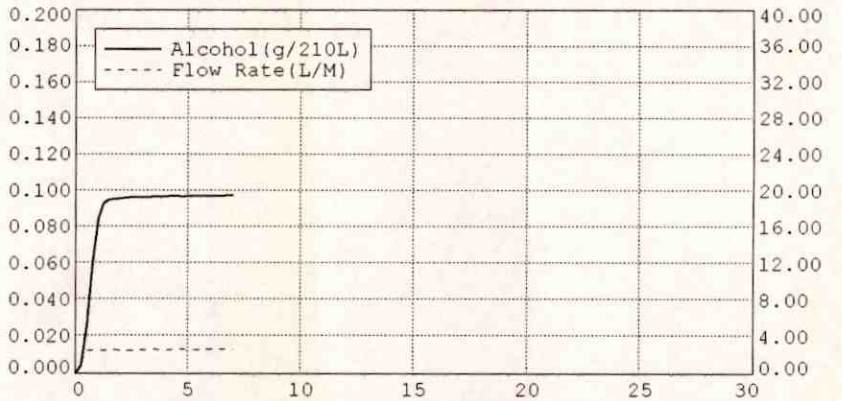
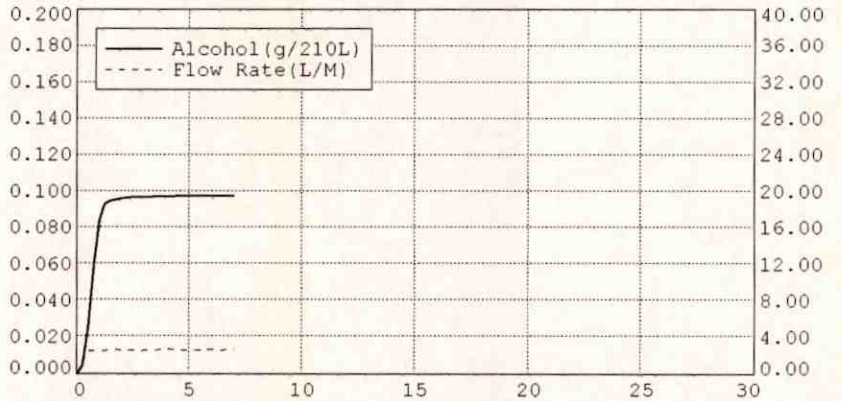
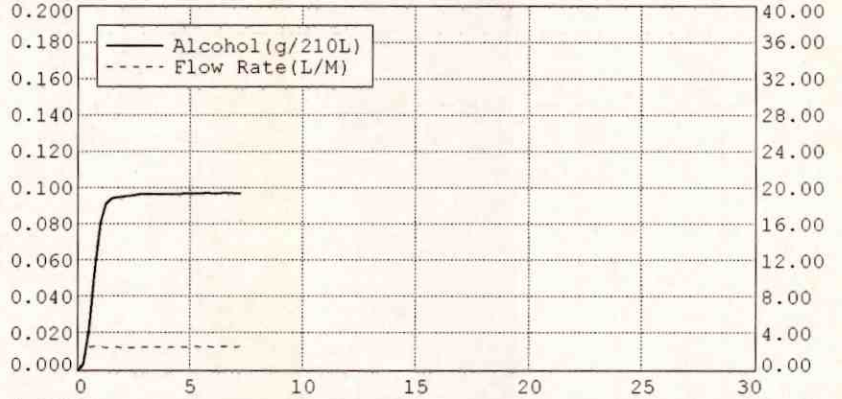
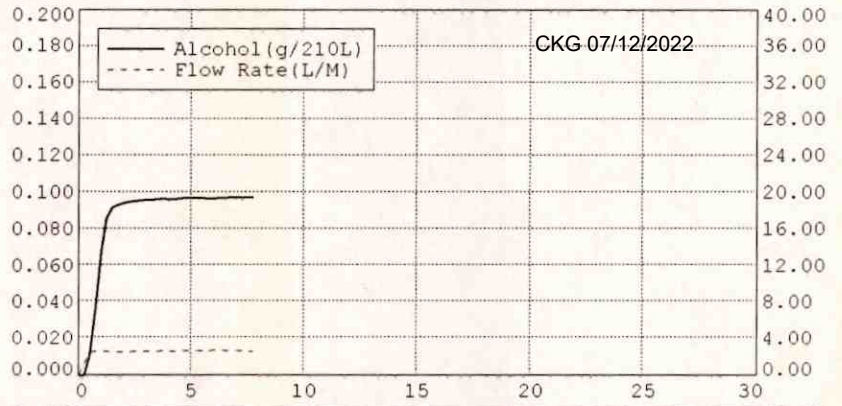
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100
TARGET AT 29.54: 0.099
TANK PRESSURE: 1192 psi

BLANK TEST	0.000	10:16
INTERNAL STANDARD	VERIFIED	10:16
EXTERNAL STANDARD	0.098	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.098	10:17
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.098	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.098	10:19
BLANK TEST	0.000	10:20
EXTERNAL STANDARD	0.098	10:20
BLANK TEST	0.000	10:21

Average = 0.0980
Std Dev = 0.0000

Lot # AG211003
Tank # 014
Exp. 20 APR 2024
TAL 07/12/2022

AG211003 EXP 04202024



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 07/12/2022
 Time: 10:36:06

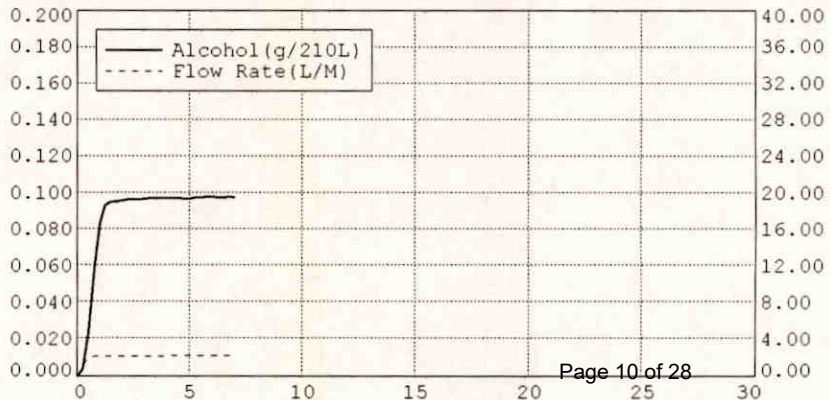
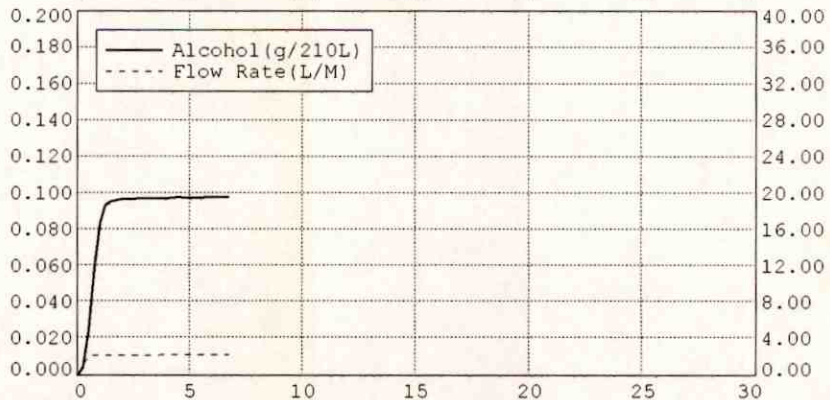
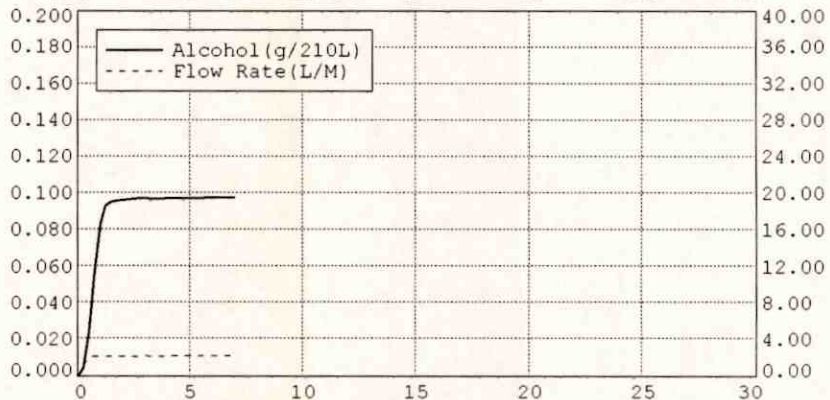
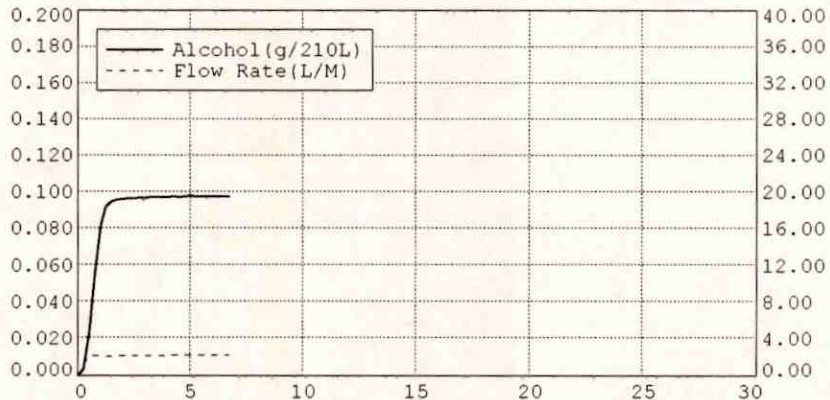
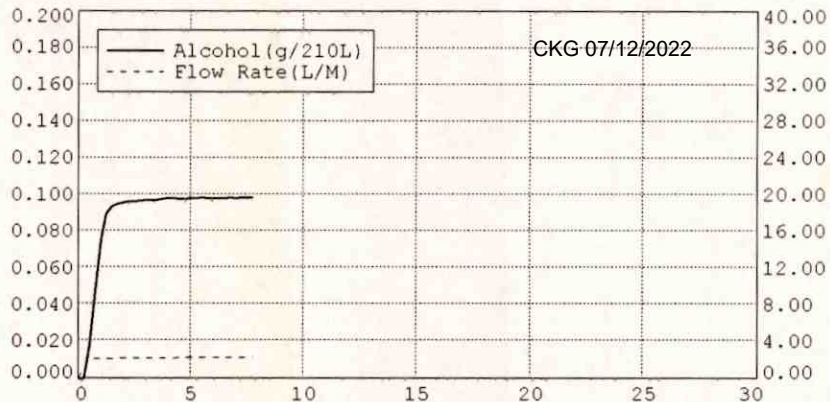
SUPERVISOR NAME:
 TATIANA LEE
 OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.54: 0.099
 TANK PRESSURE: 1107 psi

BLANK TEST	0.000	10:45
INTERNAL STANDARD	VERIFIED	10:45
EXTERNAL STANDARD	0.099	10:46
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.099	10:47
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.099	10:48
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.099	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.099	10:50
BLANK TEST	0.000	10:51

Average = 0.0990
 Std Dev = 0.0000

Lot # AG211003
 Tank # 014
 Exp. 20 Apr 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 PASSED
Xq = 0.092 0.48% (0.00% - 4.00%)

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

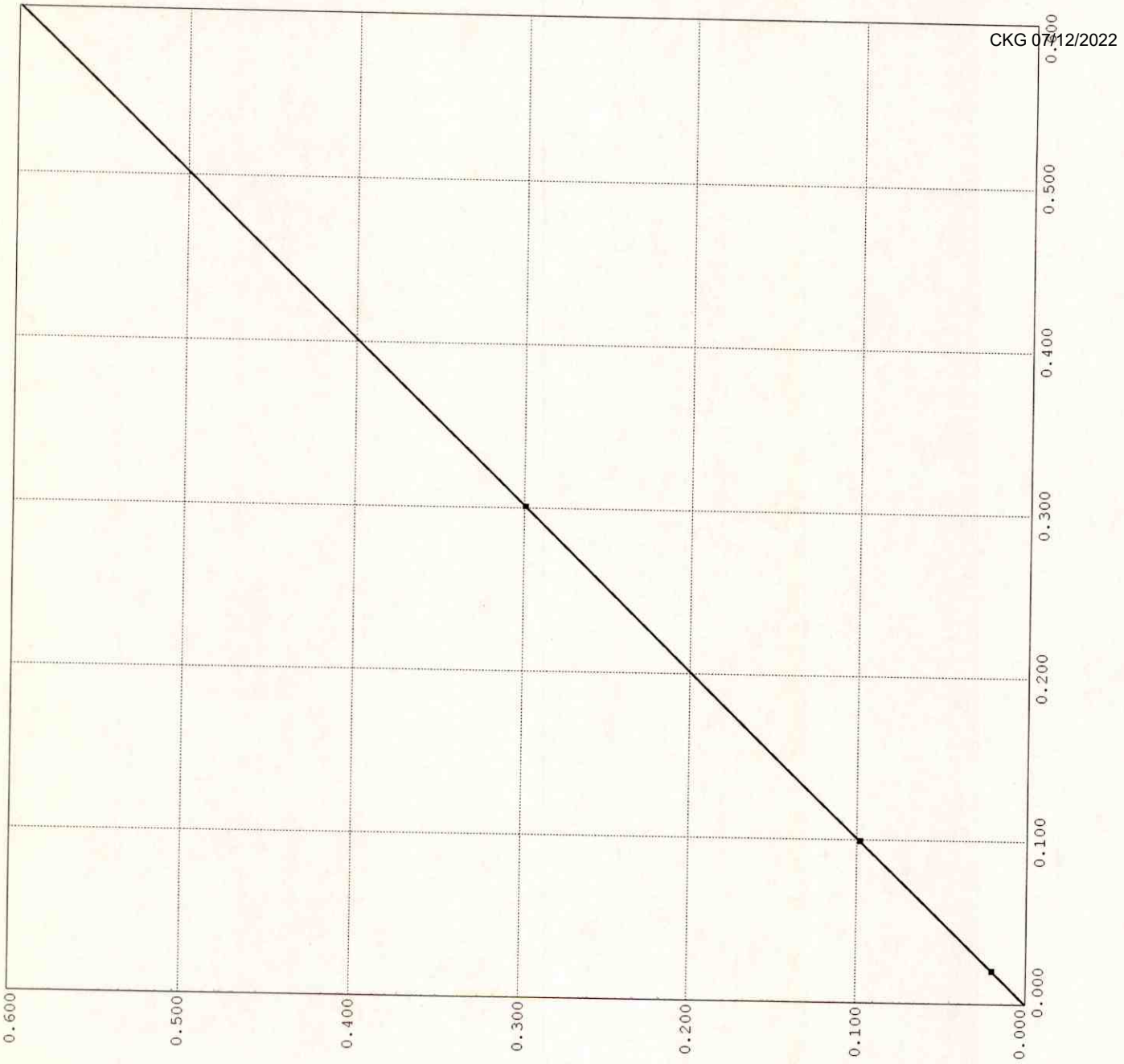
 Alaska Department of Public Safety
 DATAMASTER dmt: 100375

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

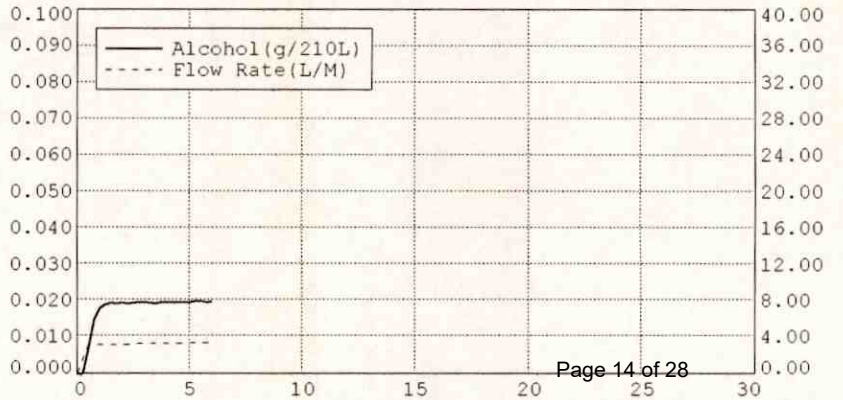
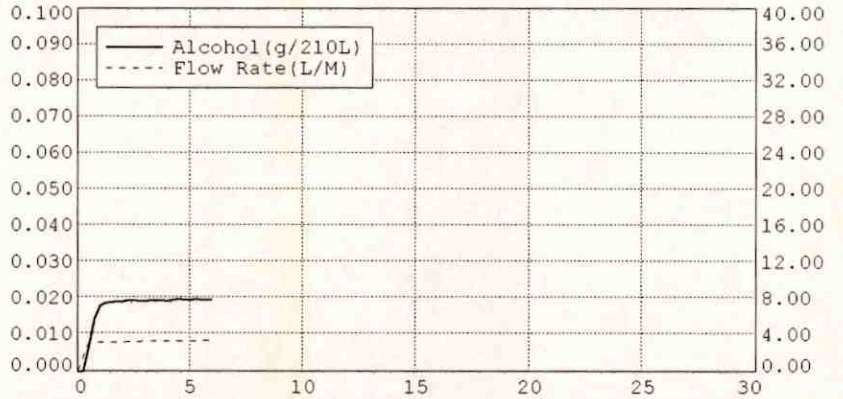
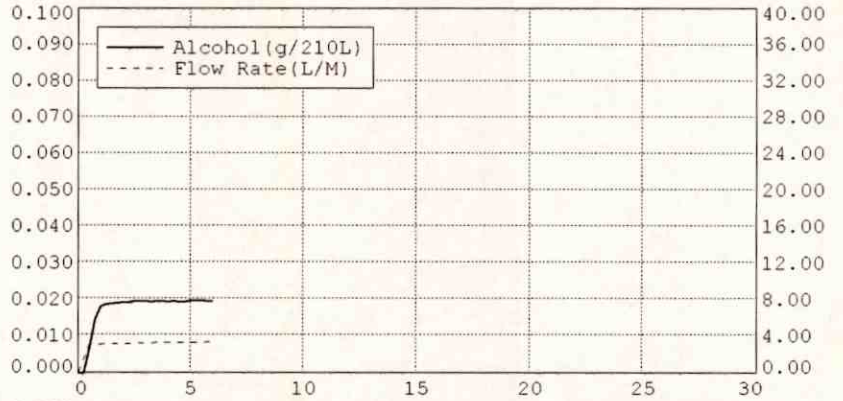
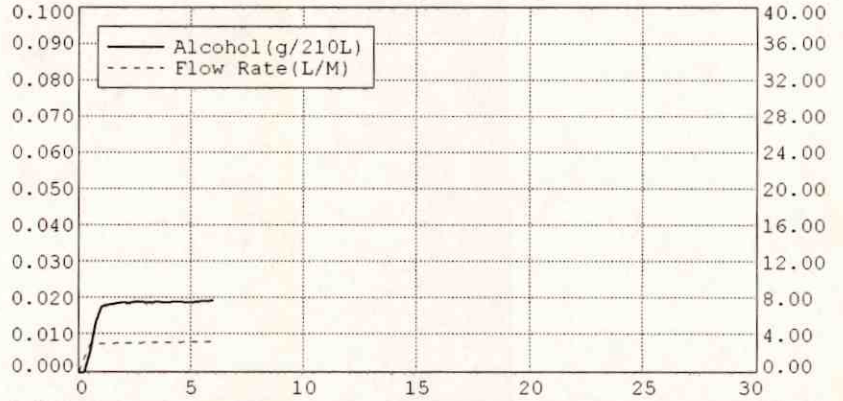
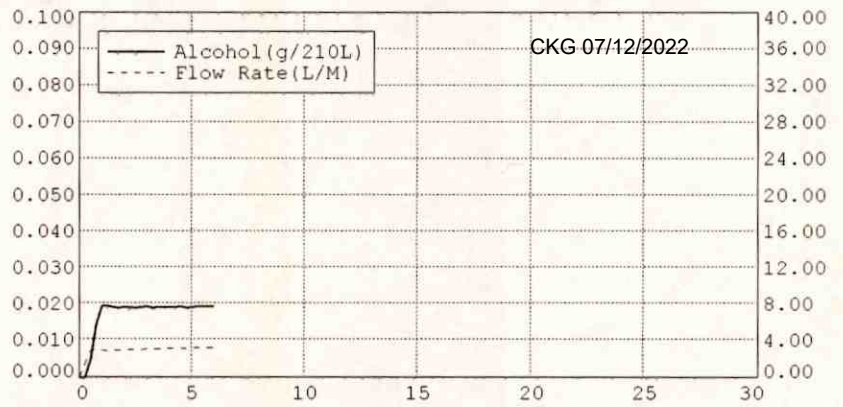
Date: 07/12/2022
Time: 08:16:07

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

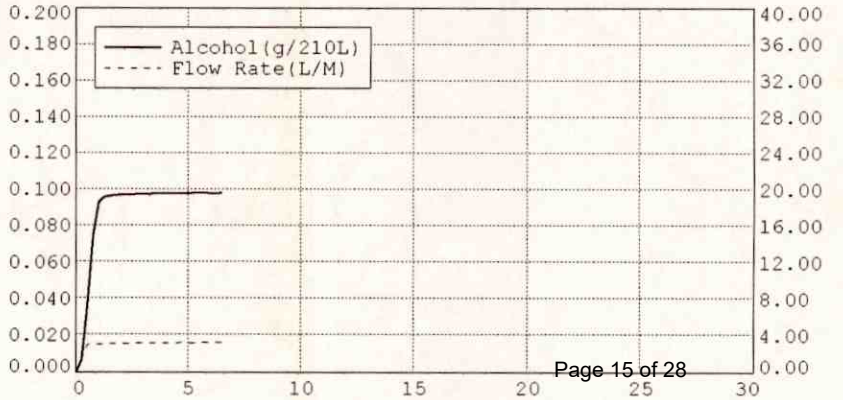
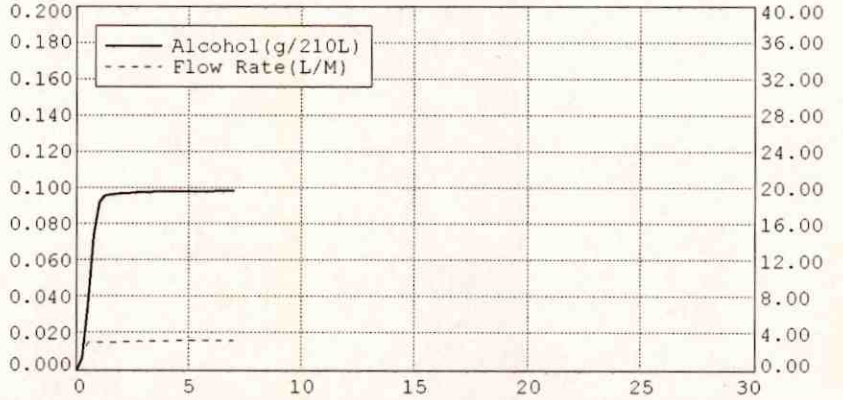
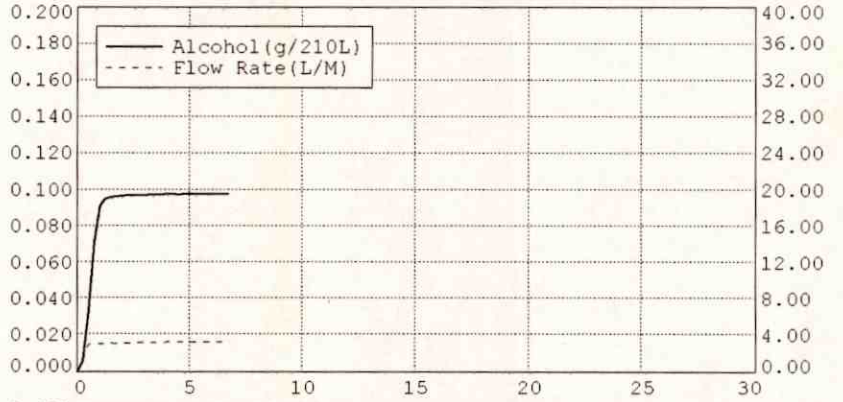
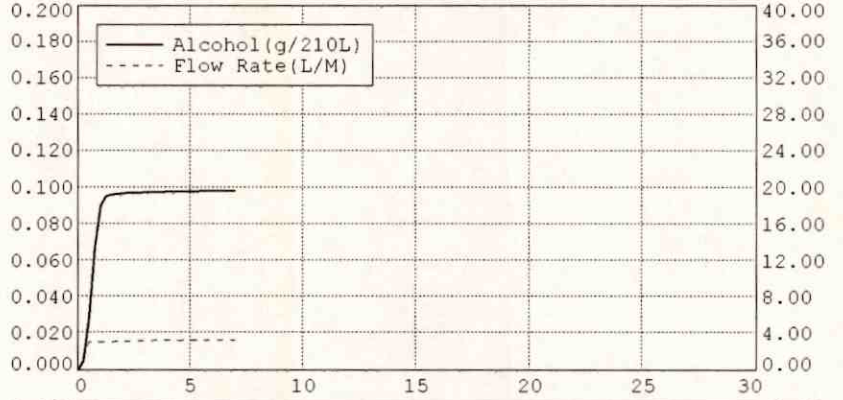
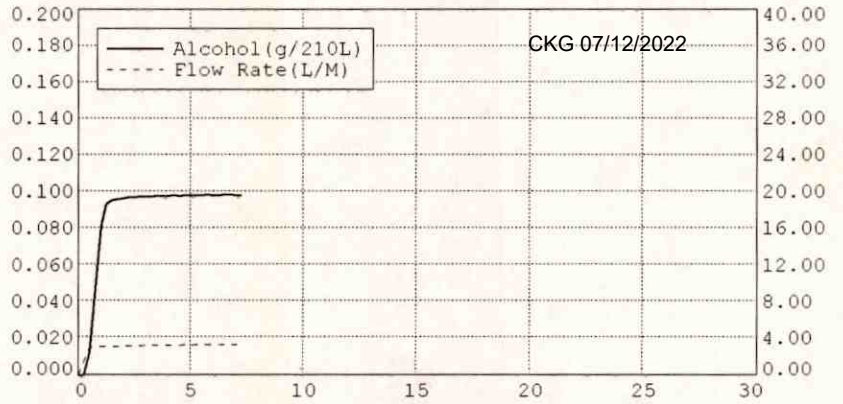
Date: 07/12/2022
Time: 08:28:33

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

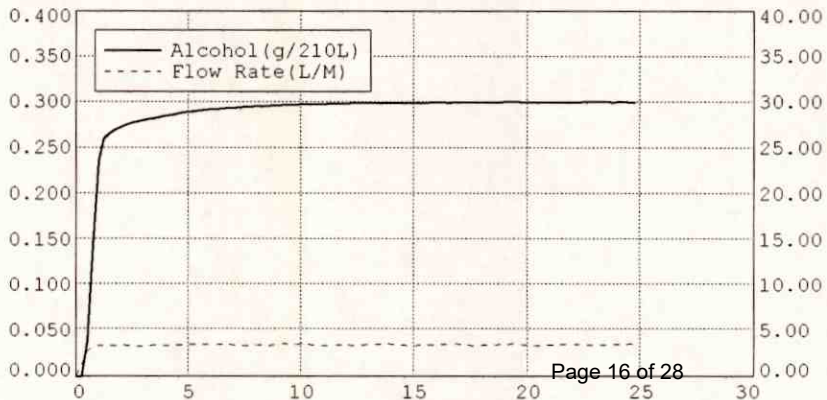
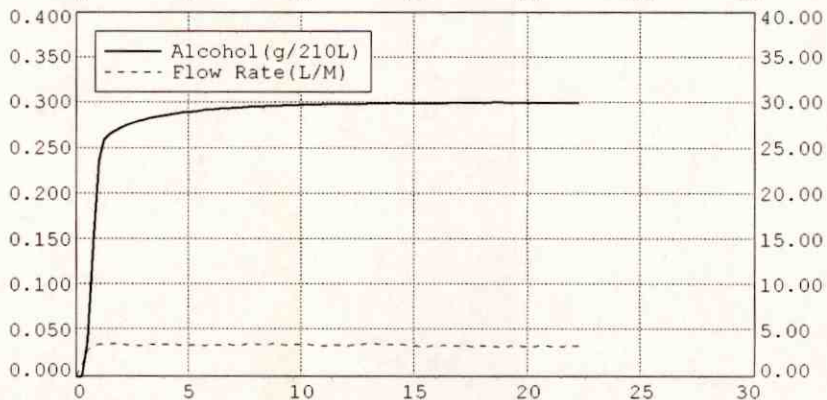
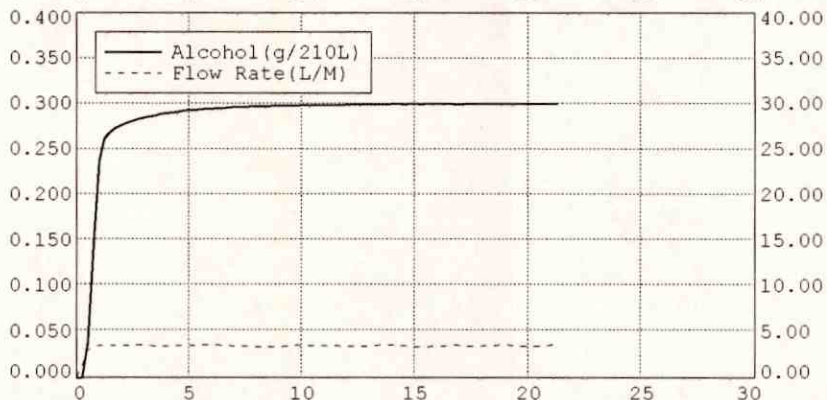
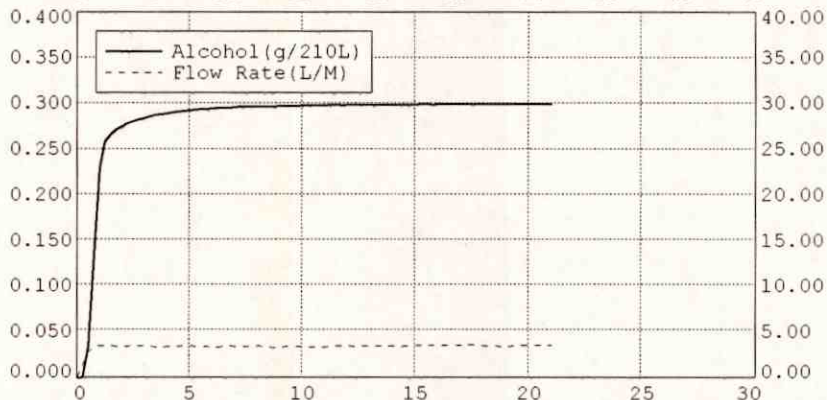
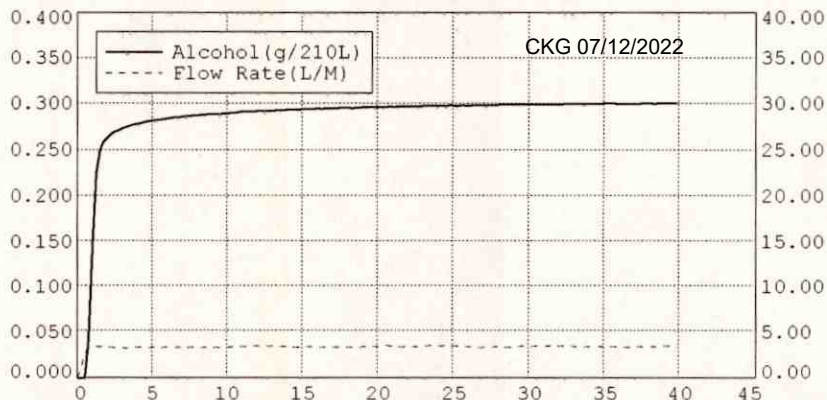
EXTERNAL STANDARD INFORMATION

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

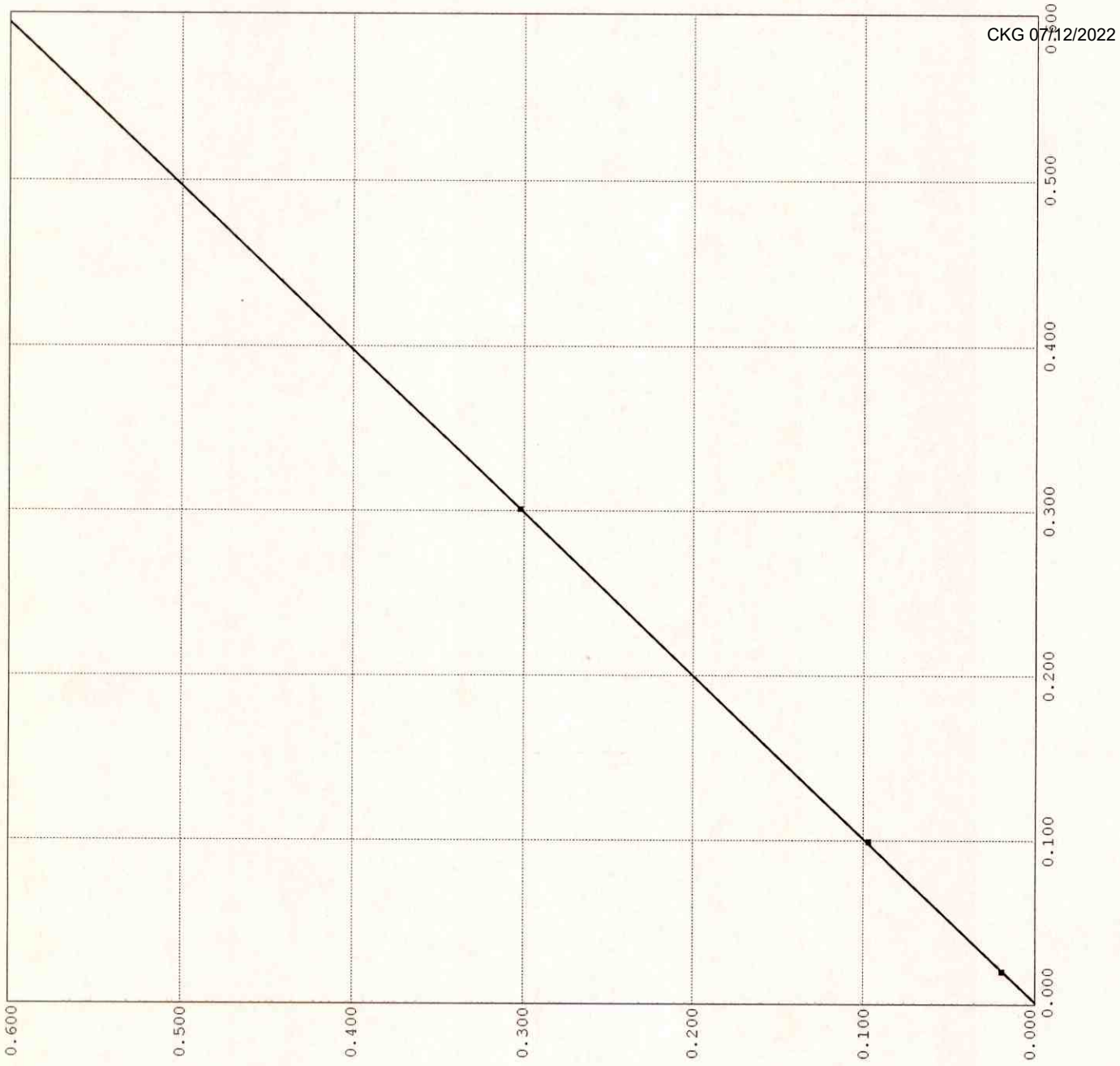
DATAMASTER dmt: 100397

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

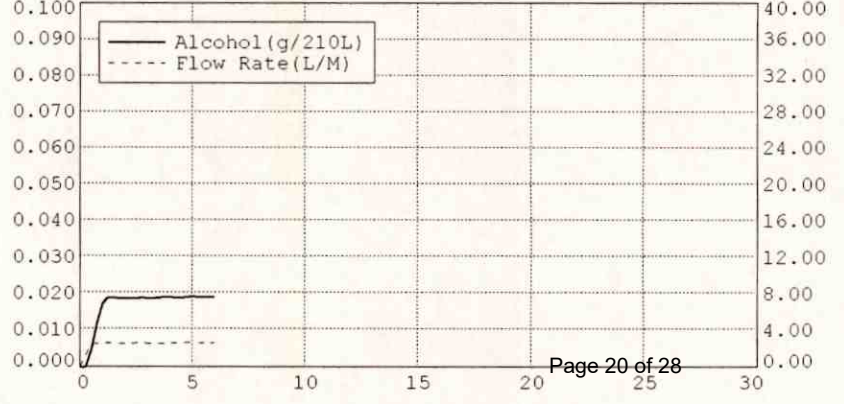
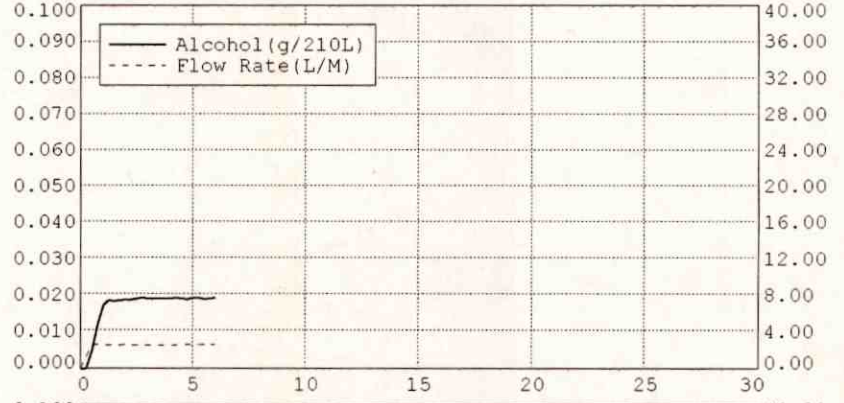
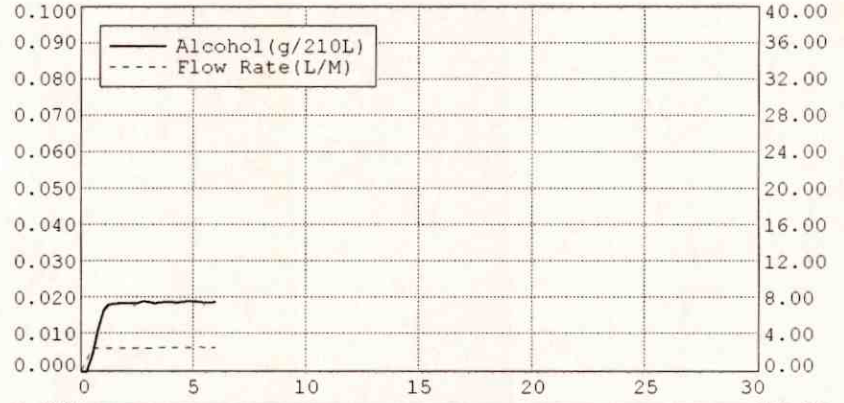
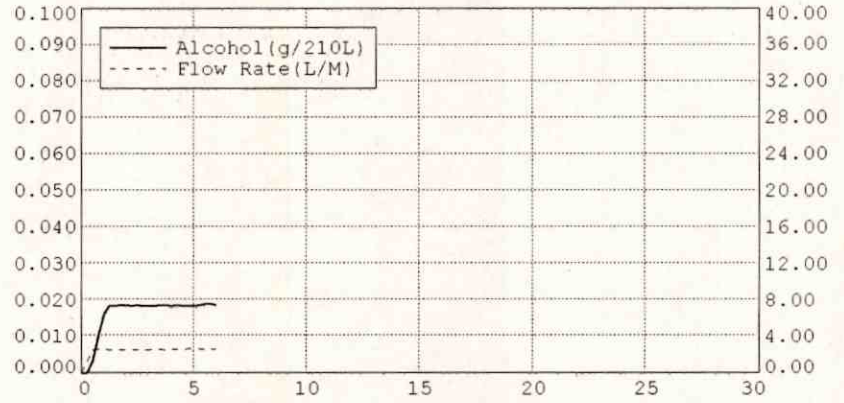
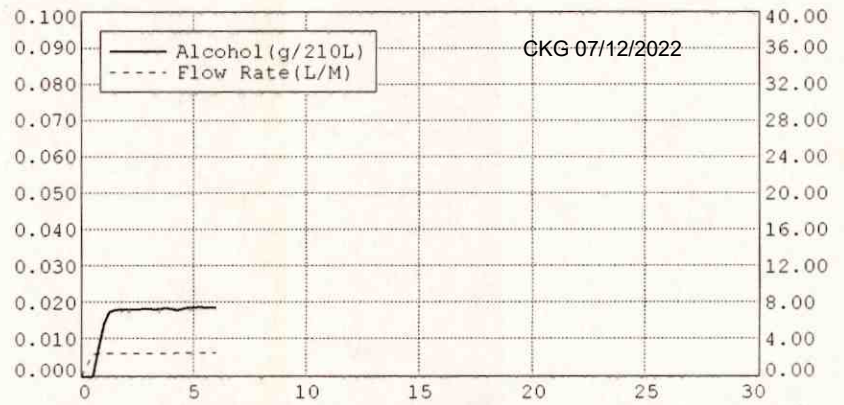
Date: 07/12/2022
 Time: 07:59:25

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

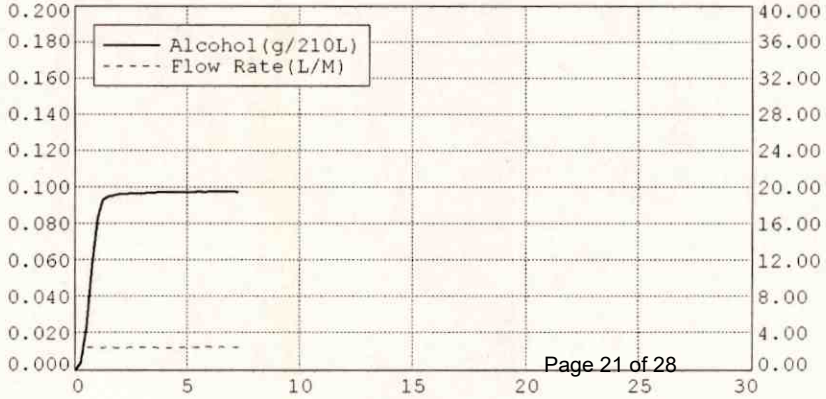
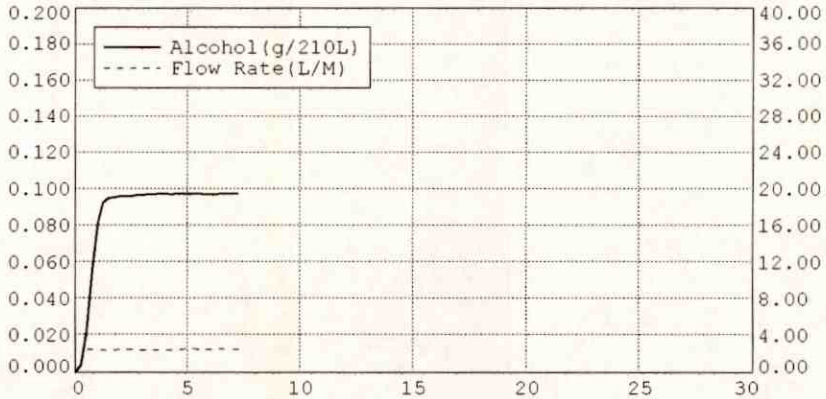
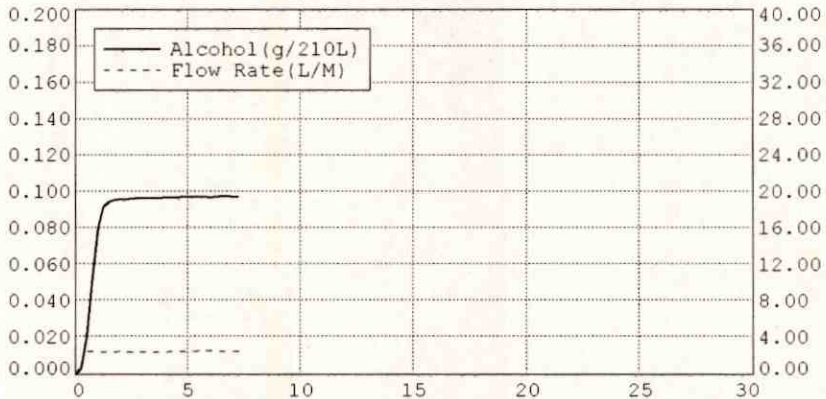
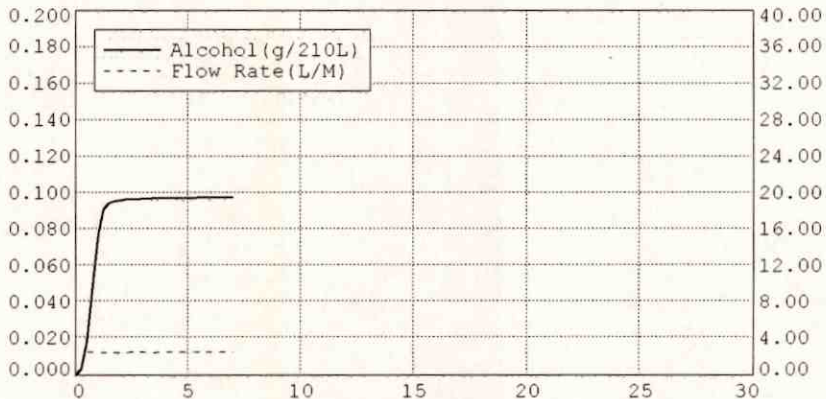
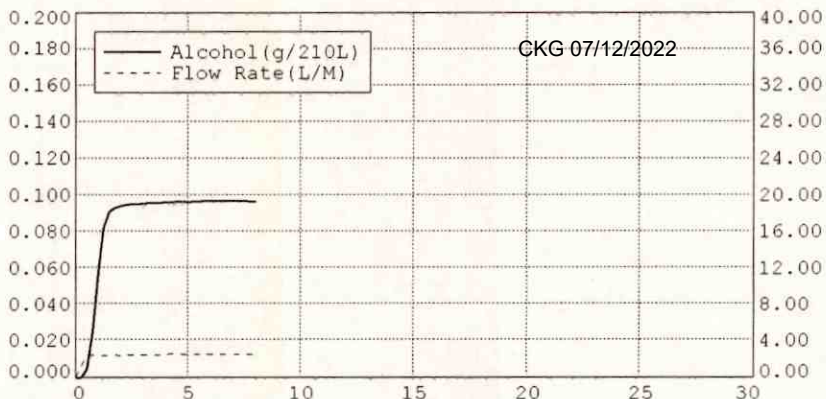
Date: 07/12/2022
 Time: 08:07:29

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

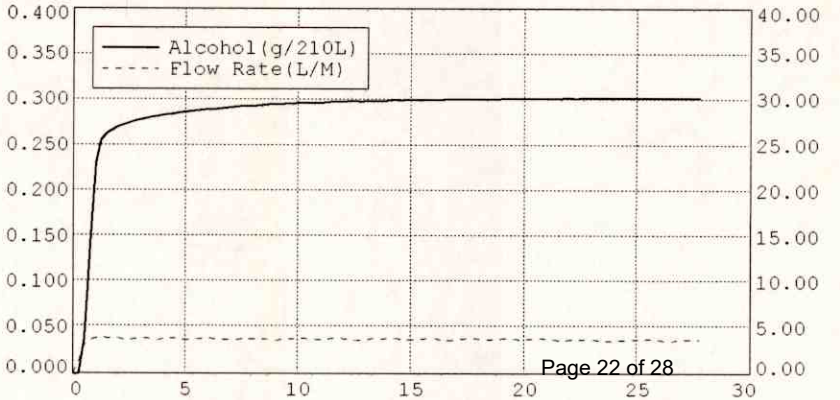
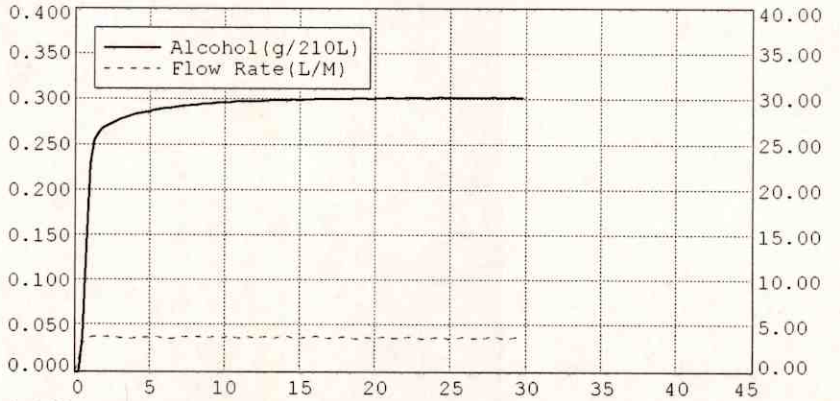
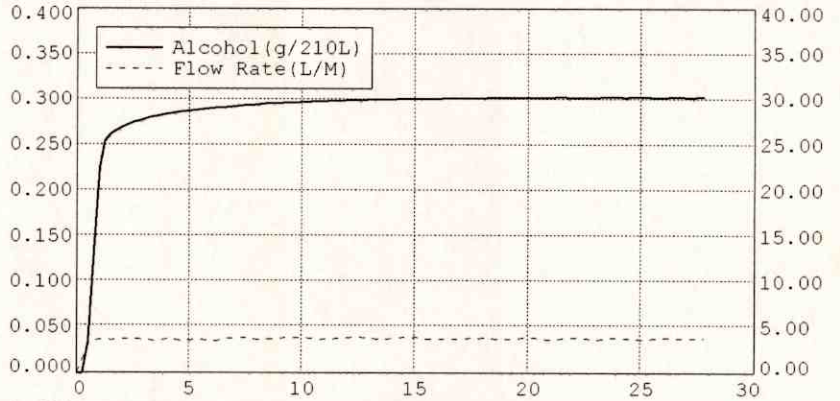
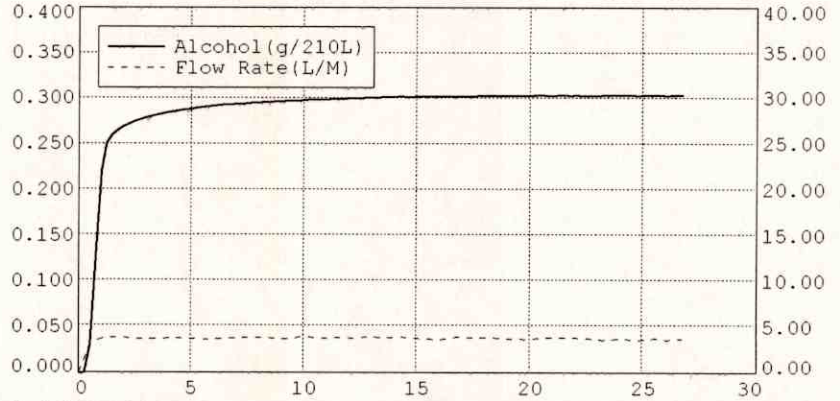
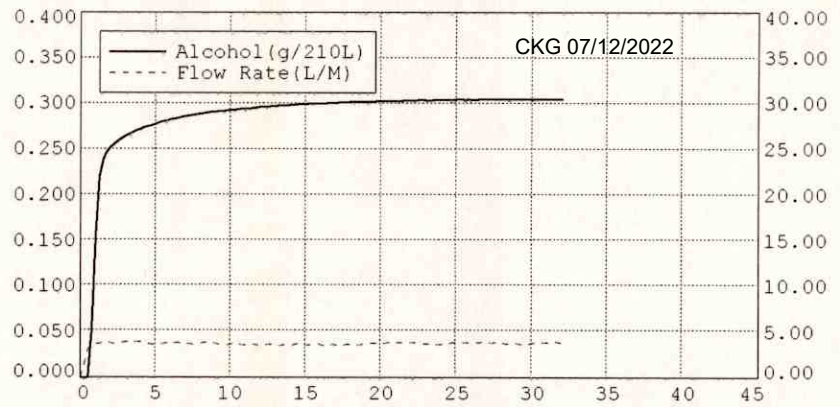
Date: 07/12/2022
 Time: 08:44:39

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

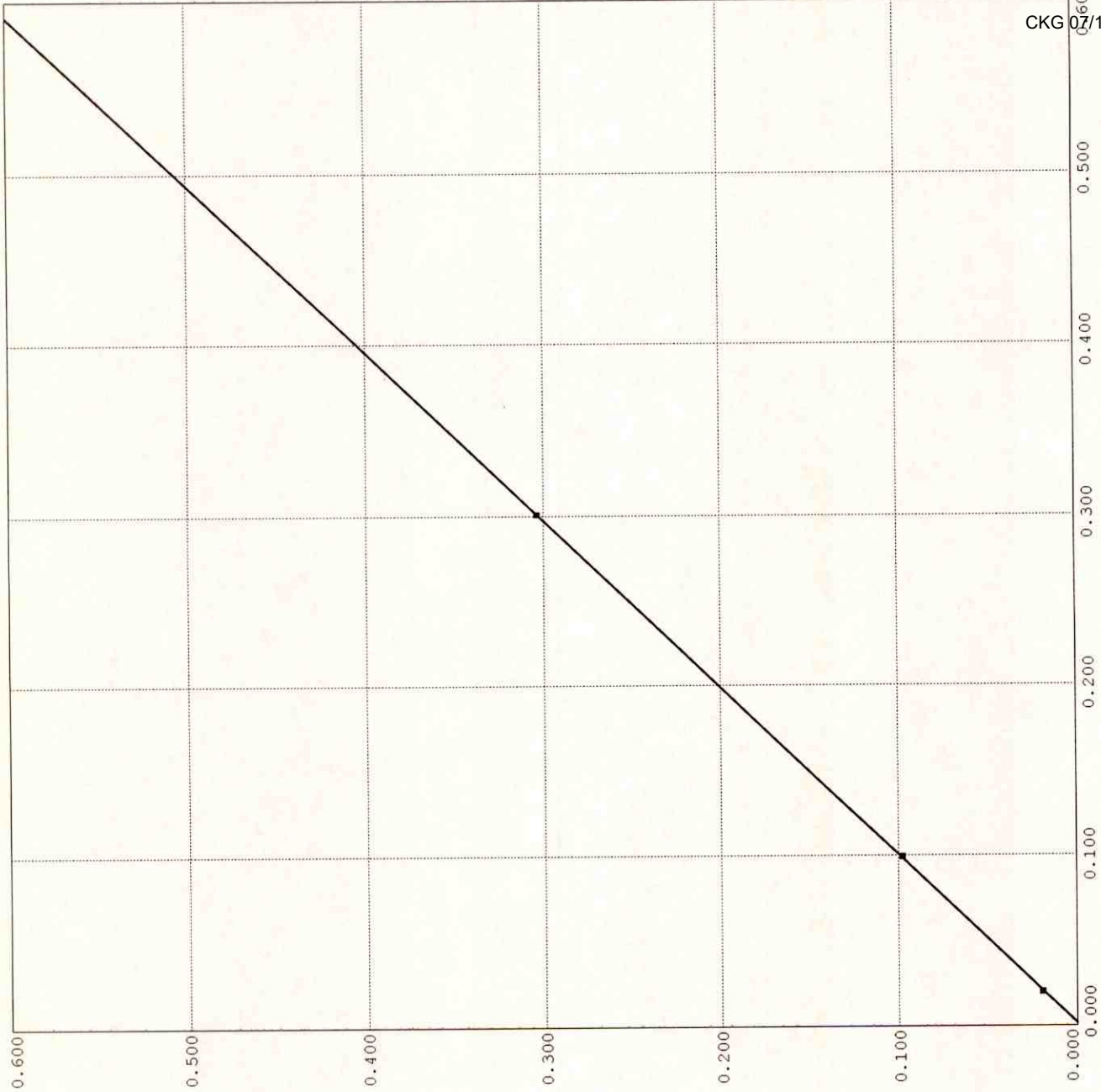
Current Barometer 29.5 in
Volume (Ltr) 0.00

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

TR

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

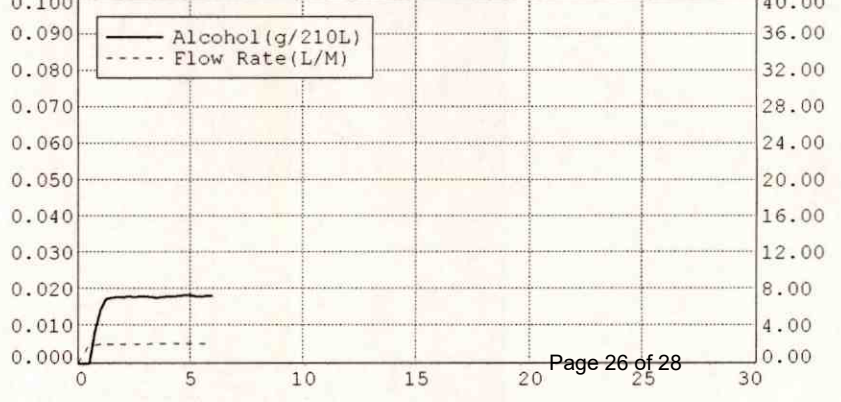
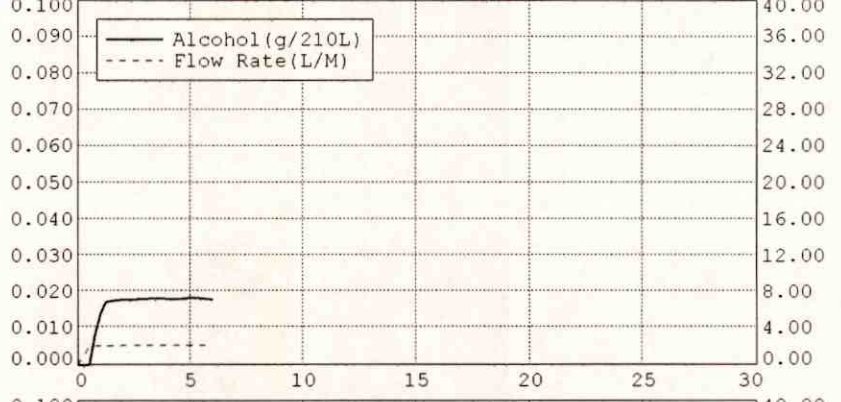
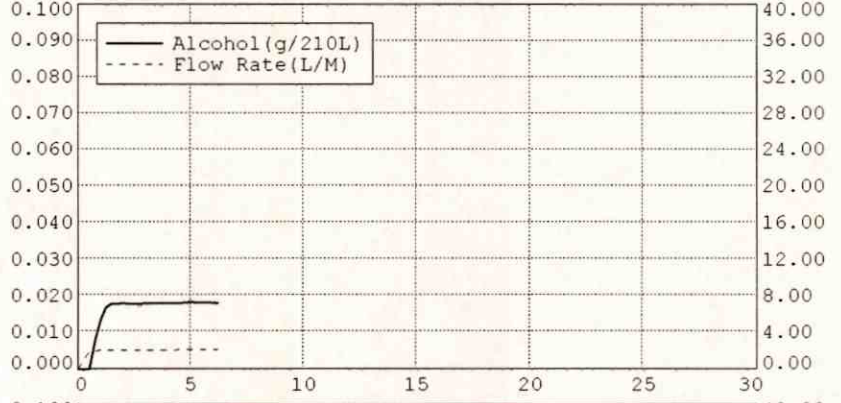
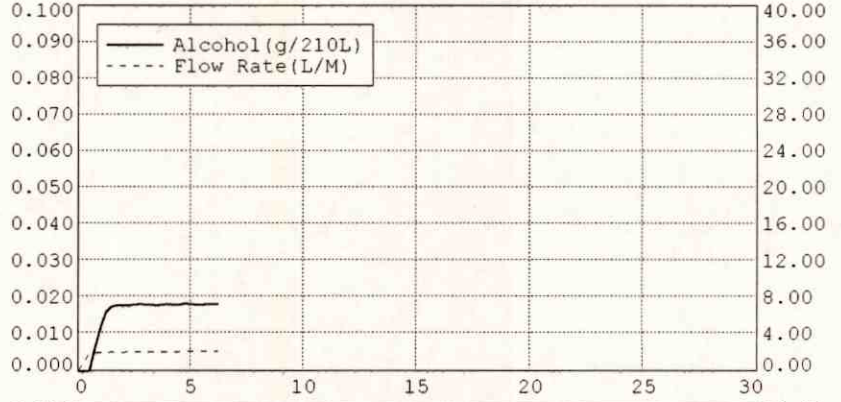
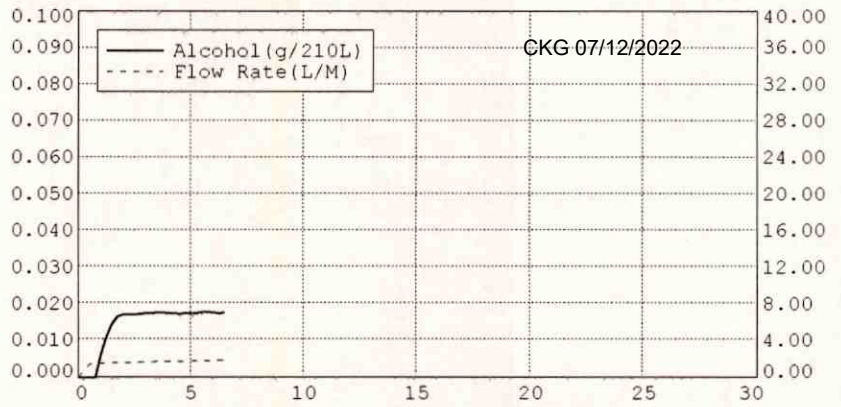
Date: 07/12/2022
 Time: 08:08:30

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

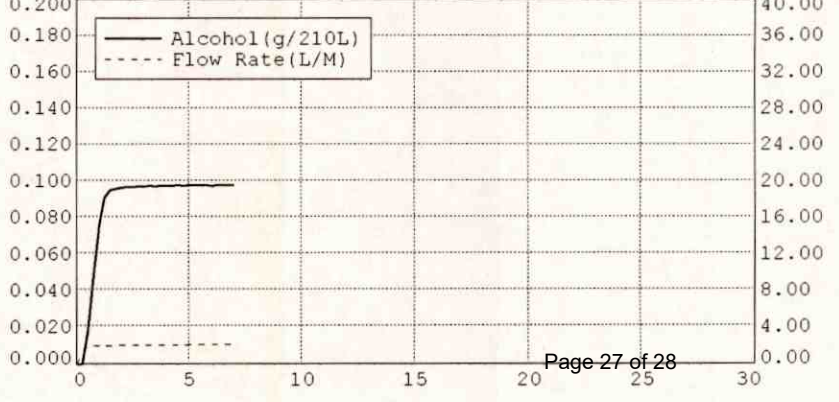
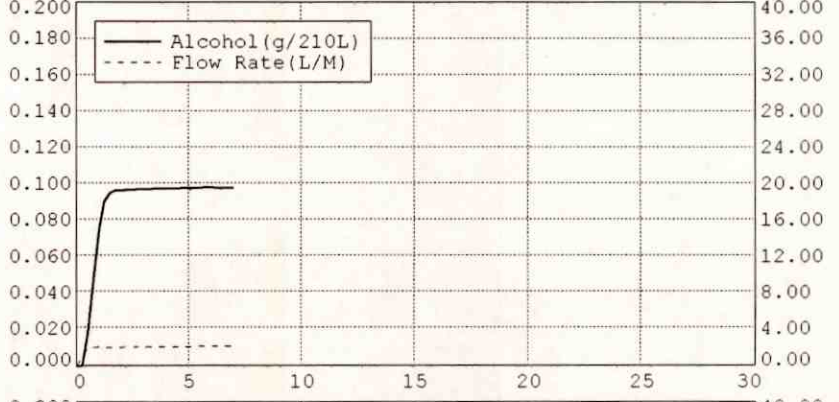
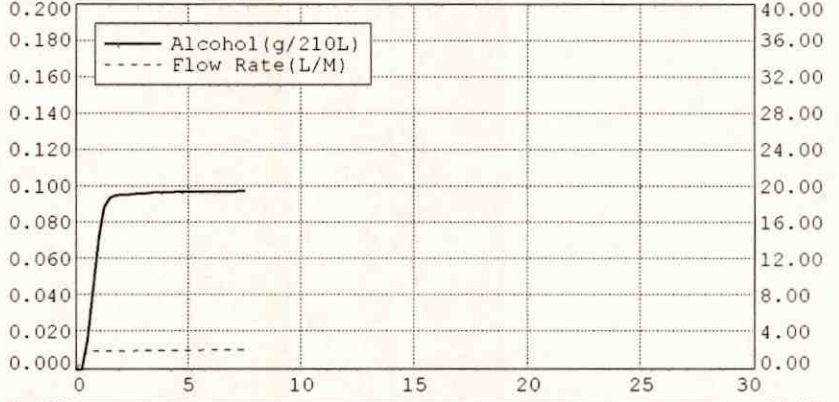
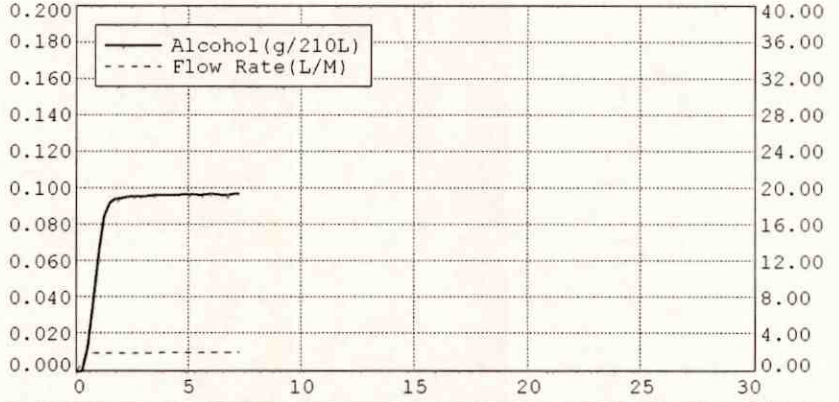
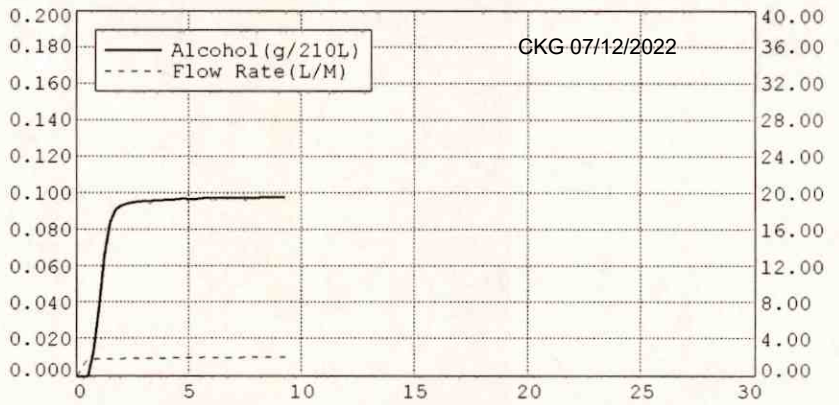
Date: 07/12/2022
 Time: 08:19:46

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

