



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:** 18-May-2021

**Lot # AG113402 Model 108cadd**

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
14-May-2023	108	Ethanol Nitrogen	0.080 ± 0.002 BrAC (208 ppm) Balance

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

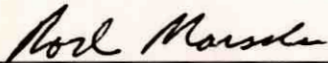
<u>RGM Serial No.</u>	<u>Concentration</u>	<u>RGM Serial No.</u>	<u>Concentration</u>
EB0010581	392.1 ppm	EB0010603	393.0 ppm
EB0010570	259.8 ppm	EB0010559	258.2 ppm
EB0010285	208.0 ppm	EB0010595	208.3 ppm
EB0010561	103.6 ppm	EB0010562	104.2 ppm
EB0010681	52.12 ppm	EB0010579	52.81 ppm

<u>CRM Serial No.</u>	<u>Concentration</u>	<u>CRM Serial No.</u>	<u>Concentration</u>
CC434668	800.0 ppm	0056649	390.1 ppm
CC234503	253.0 ppm	0056662	150.2 ppm

**Analytical Method:** NDIR

Digitally signed by Quality Control  
Date: 2021.05.19 14:08:32 -05:00  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

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: 100405

Date: 06/28/2021  
Time: 14:21:05

SUPERVISOR NAME:  
CARLIE BAILEY  
OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.84: 0.080  
TANK PRESSURE: 1212 psi

BLANK TEST	0.000	14:22
INTERNAL STANDARD	VERIFIED	14:22
EXTERNAL STANDARD	0.077	14:22
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.077	14:23
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.077	14:24
BLANK TEST	0.000	14:25
EXTERNAL STANDARD	0.077	14:25
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.078	14:27
BLANK TEST	0.000	14:27

Average = 0.0772  
Std Dev = 0.0004

LOT # A6113402

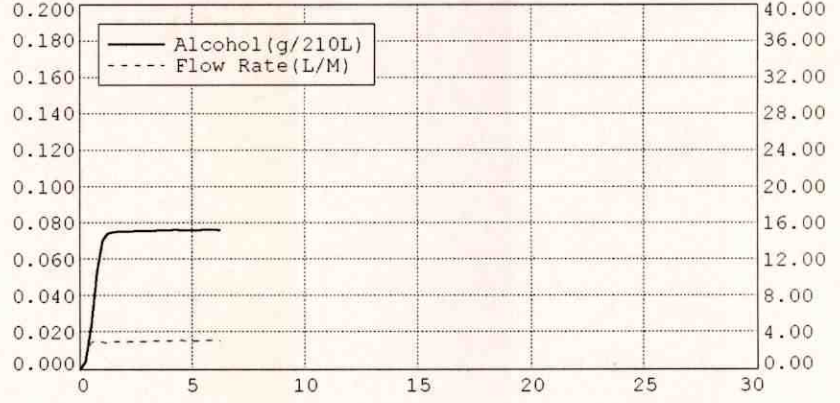
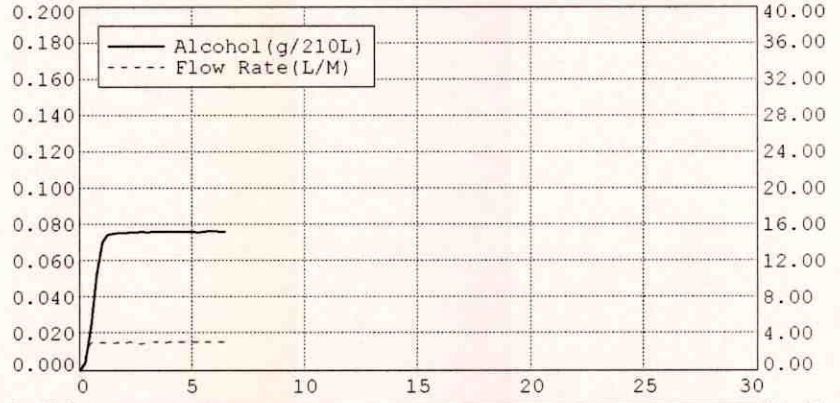
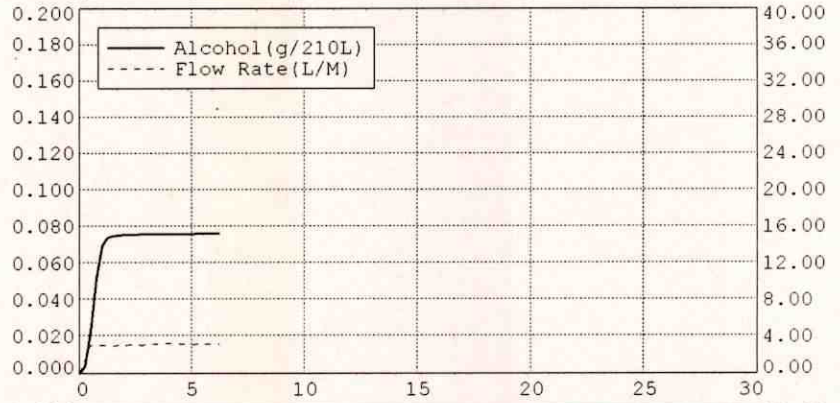
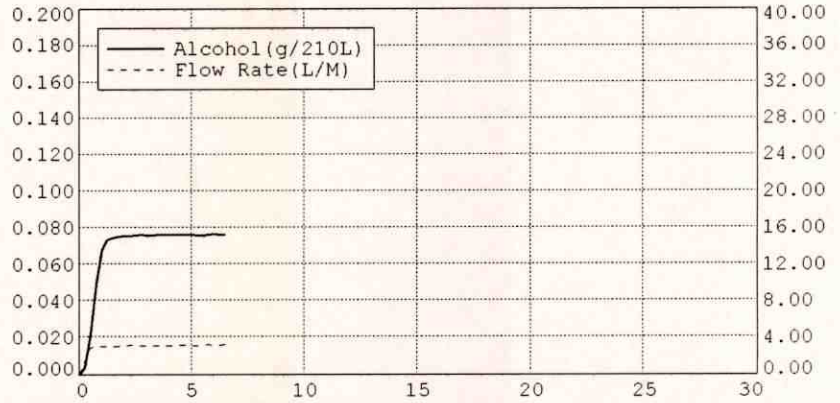
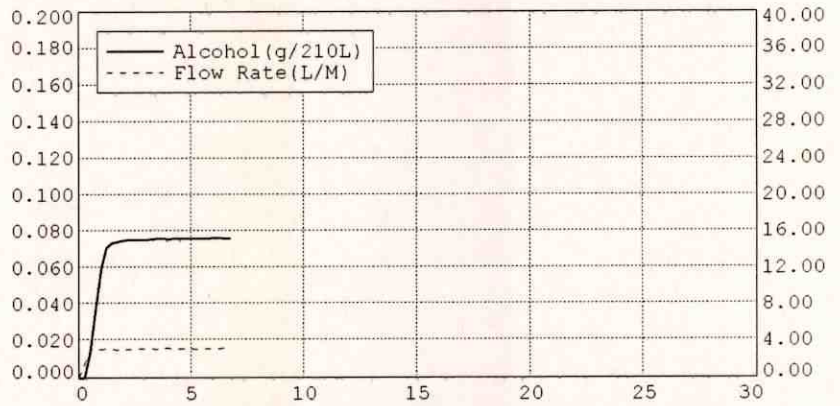
TANK # 015

Exp: 5/14/2023

CUB 6/28/2021

Average = 0.078

CUB 6/29/2021



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100384

Date: 06/28/2021  
Time: 14:33:53

SUPERVISOR NAME:  
CARLIE BAILEY  
OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.85: 0.080  
TANK PRESSURE: 1233 psi

BLANK TEST	0.000	14:35
INTERNAL STANDARD	VERIFIED	14:35
EXTERNAL STANDARD	0.079	14:35
BLANK TEST	0.000	14:36
EXTERNAL STANDARD	0.079	14:36
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.079	14:37
BLANK TEST	0.000	14:38
EXTERNAL STANDARD	0.080	14:38
BLANK TEST	0.000	14:39
EXTERNAL STANDARD	0.079	14:40
BLANK TEST	0.000	14:40

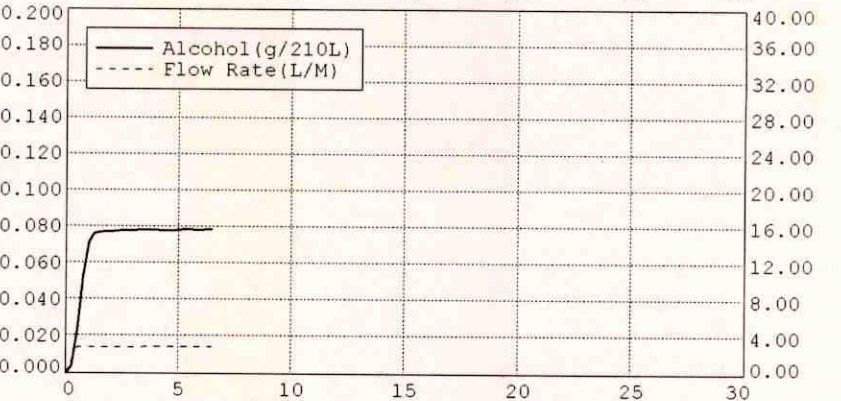
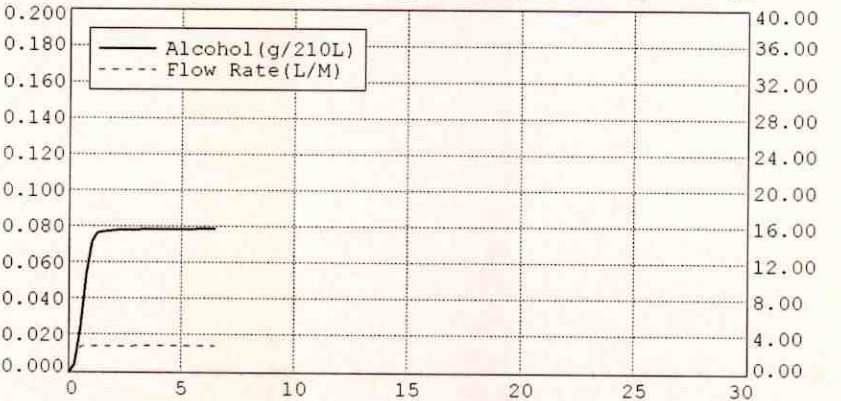
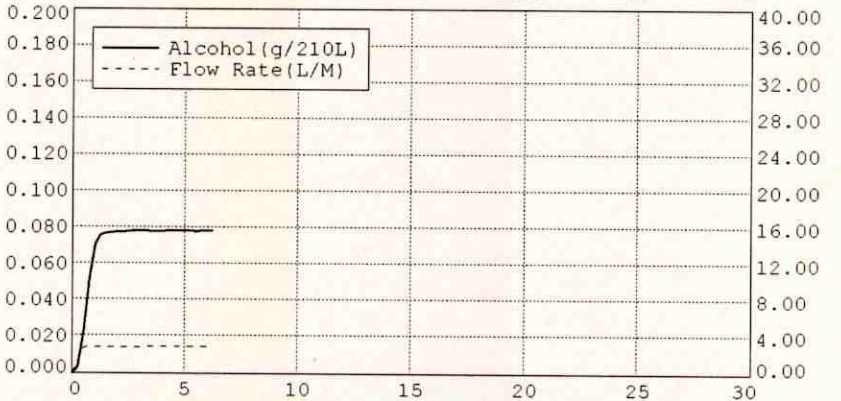
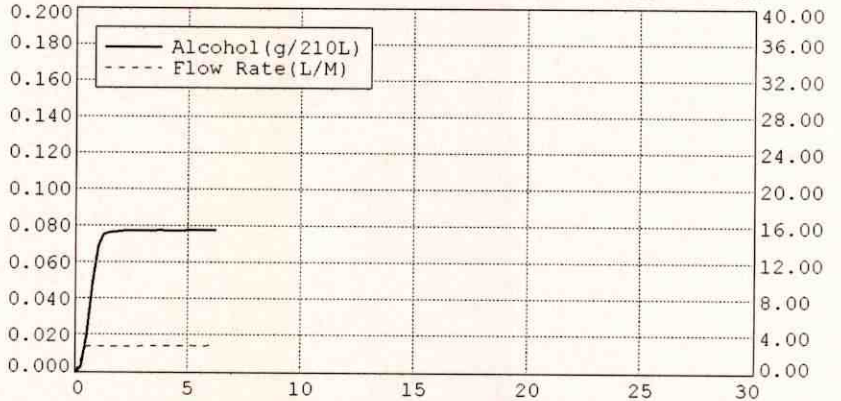
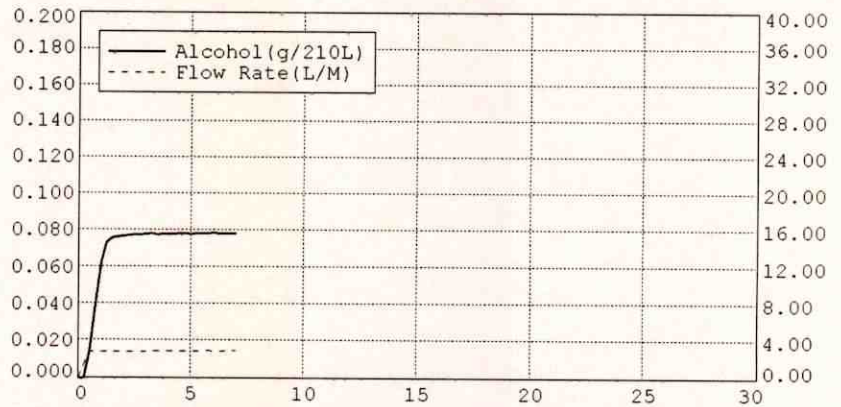
Average = 0.0792  
Std Dev = 0.0004

Lot # AG-113402

TANK # 015

Exp: 5/14/2023

CUB 6/28/2021



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100671

Date: 06/28/2021  
Time: 15:04:47

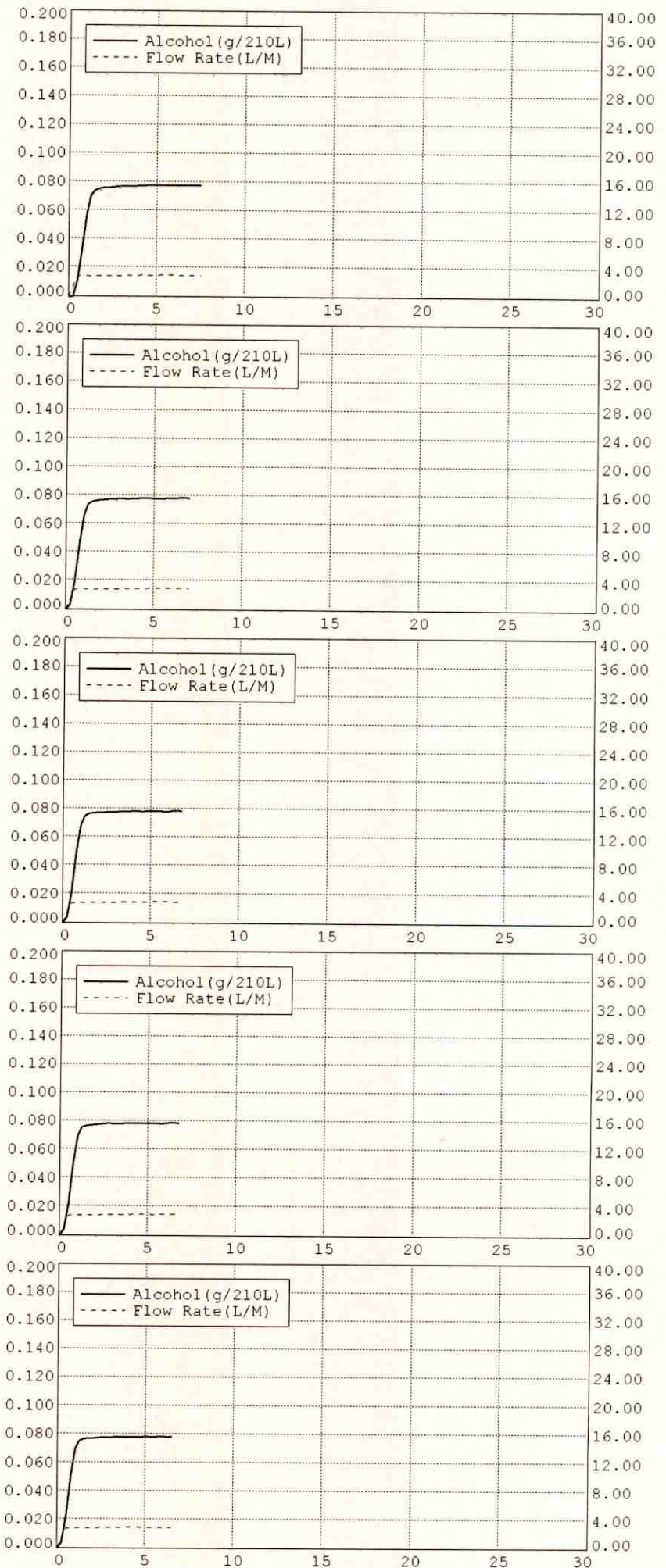
SUPERVISOR NAME:  
CARLIE BAILEY  
OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.82: 0.080  
TANK PRESSURE: 1206 psi

BLANK TEST	0.000	15:06
INTERNAL STANDARD	VERIFIED	15:06
EXTERNAL STANDARD	0.079	15:06
BLANK TEST	0.000	15:07
EXTERNAL STANDARD	0.079	15:07
BLANK TEST	0.000	15:08
EXTERNAL STANDARD	0.079	15:08
BLANK TEST	0.000	15:09
EXTERNAL STANDARD	0.079	15:09
BLANK TEST	0.000	15:10
EXTERNAL STANDARD	0.079	15:11
BLANK TEST	0.000	15:11

Average = 0.0790  
Std Dev = 0.0000

Lot # AG-113402  
TANK # 015  
Exp: 5/14/2023  
CUB 6/28/2021



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100405

Date: 06/28/2021  
 Time: 14:31:34

SUPERVISOR NAME:  
 CARLIE BAILEY  
 OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION

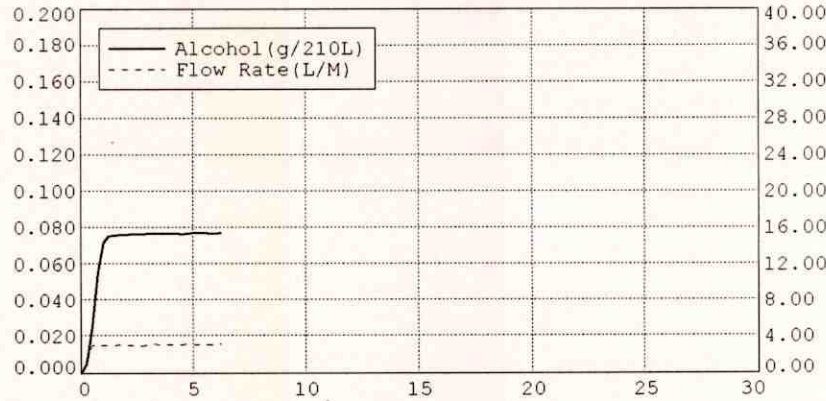
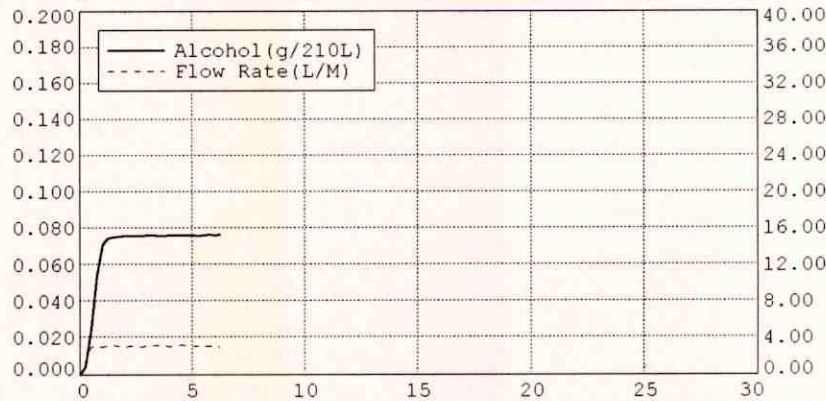
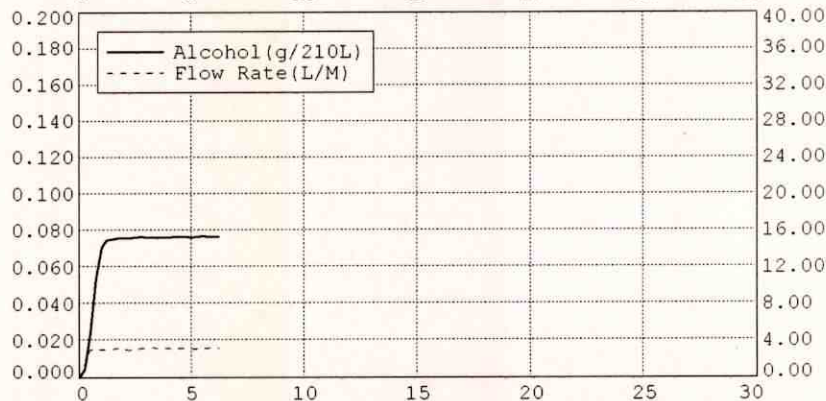
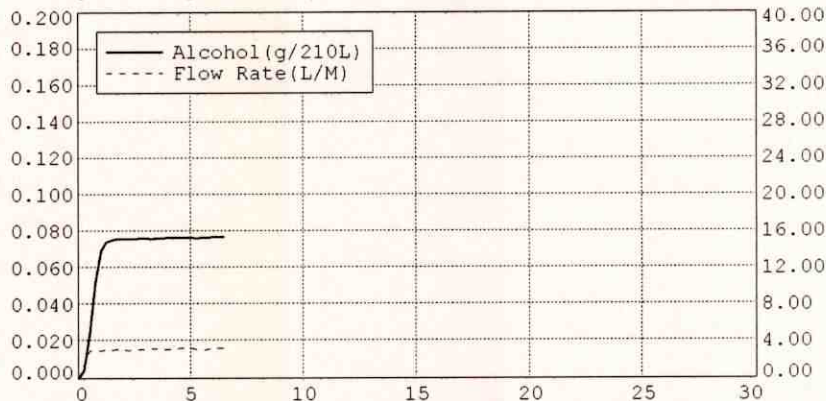
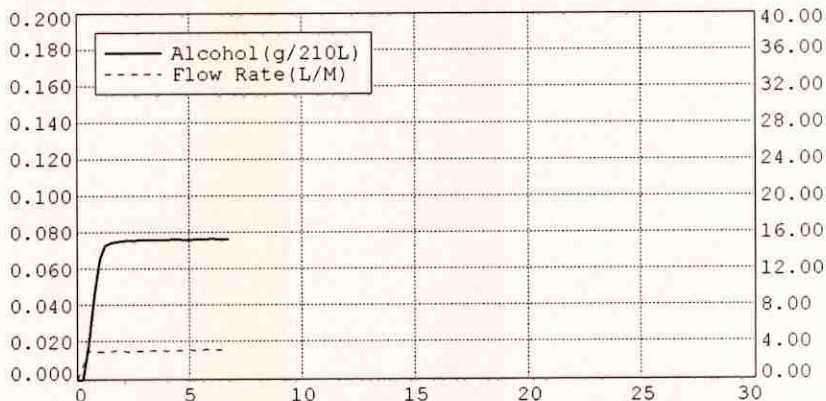
NOMINAL: 0.080  
 TARGET AT 29.84: 0.080  
 TANK PRESSURE: 1233 psi

BLANK TEST	0.000	14:34
INTERNAL STANDARD	VERIFIED	14:34
EXTERNAL STANDARD	0.078	14:34
BLANK TEST	0.000	14:35
EXTERNAL STANDARD	0.078	14:35
BLANK TEST	0.000	14:36
EXTERNAL STANDARD	0.077	14:36
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.077	14:37
BLANK TEST	0.000	14:38
EXTERNAL STANDARD	0.078	14:38
BLANK TEST	0.000	14:39

Average = 0.0776  
 Std Dev = 0.0005

LOT # AG-113402  
~~TANK~~ CUB 6/28/2021  
 TANK # 031  
 EXP: 5/14/2023  
 CUB 6/28/2021

Average = 0.079  
 CUB 6/29/2021



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100384

Date: 06/28/2021  
 Time: 14:42:36

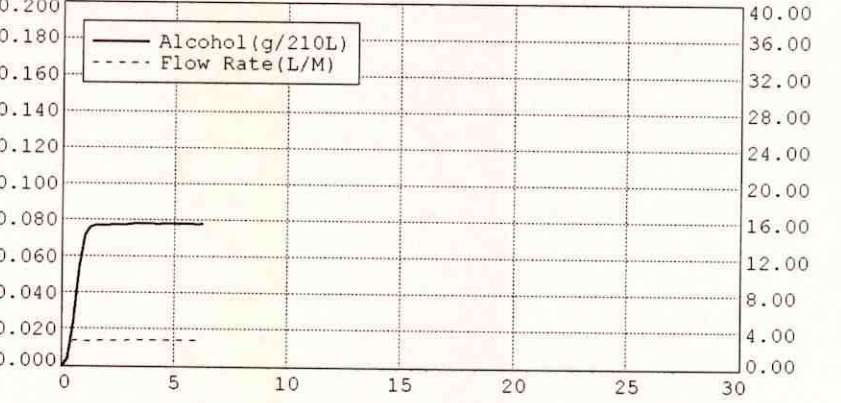
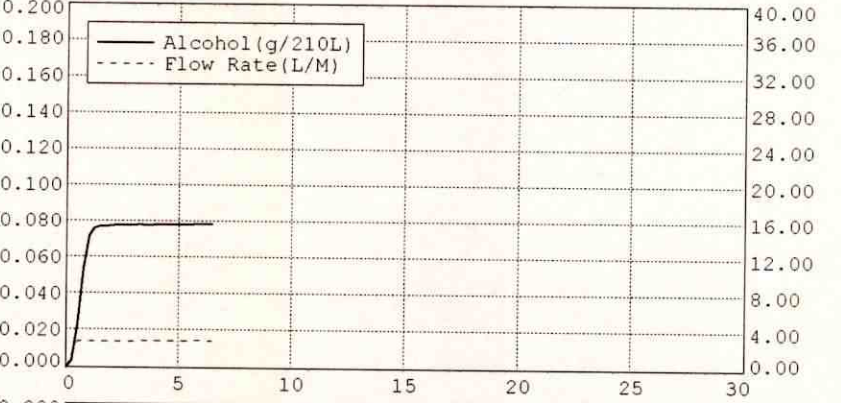
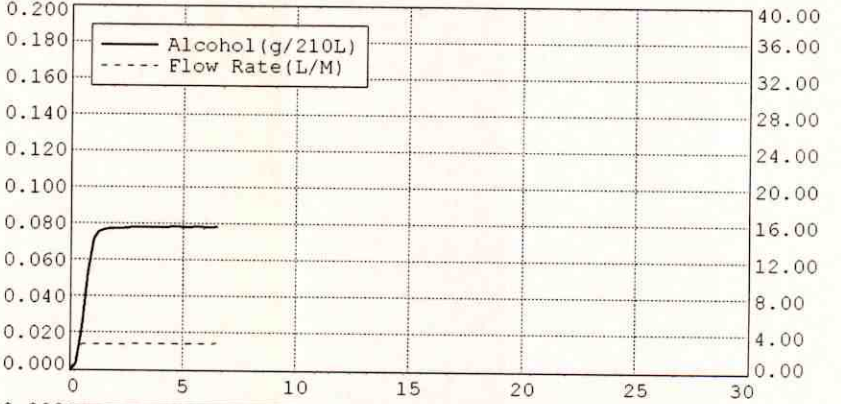
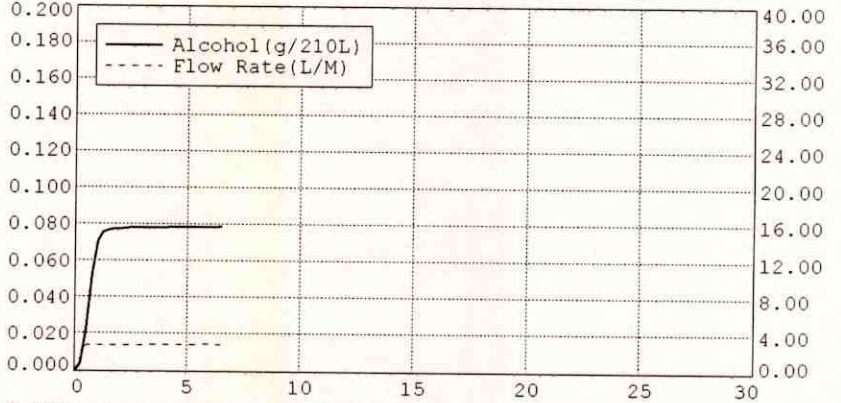
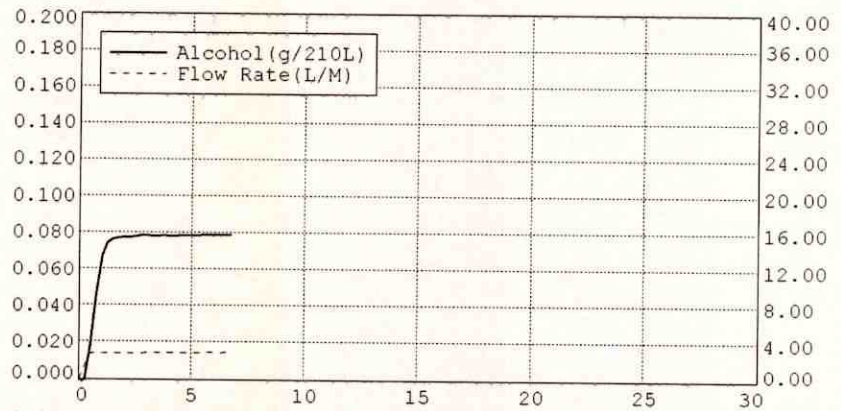
SUPERVISOR NAME:  
 CARLIE BAILEY  
 OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.85: 0.080  
 TANK PRESSURE: 1259 psi

BLANK TEST	0.000	14:45
INTERNAL STANDARD	VERIFIED	14:45
EXTERNAL STANDARD	0.080	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.080	14:46
BLANK TEST	0.000	14:47
EXTERNAL STANDARD	0.080	14:47
BLANK TEST	0.000	14:48
EXTERNAL STANDARD	0.080	14:48
BLANK TEST	0.000	14:49
EXTERNAL STANDARD	0.079	14:50
BLANK TEST	0.000	14:50

Average = 0.0798  
 Std Dev = 0.0004

Lot # AG-113402  
 TANK# 031  
 EXP: 5/14/2023  
 CUB 6/28/2021



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

Date: 06/28/2021  
 Time: 15:13:46

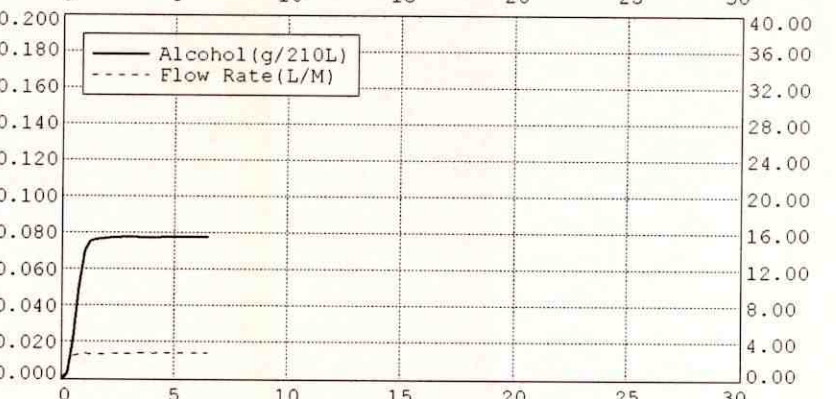
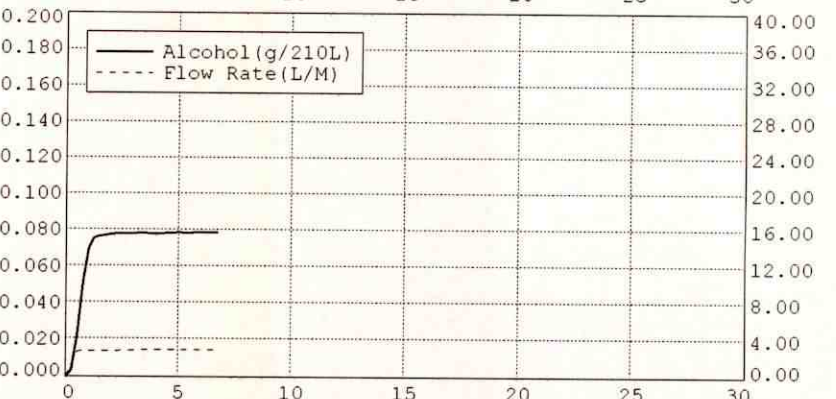
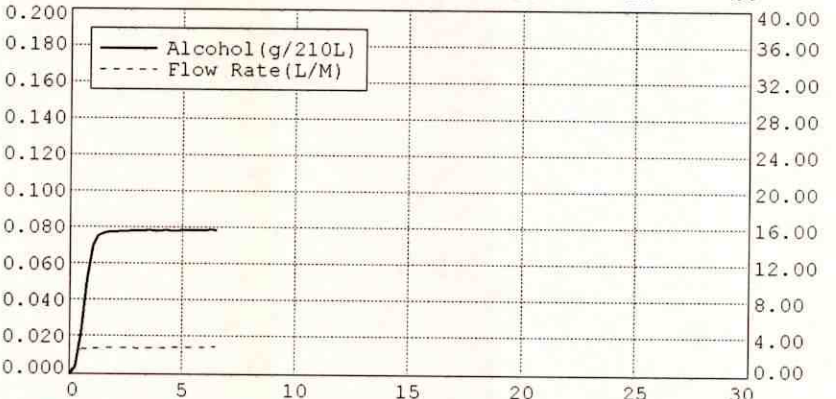
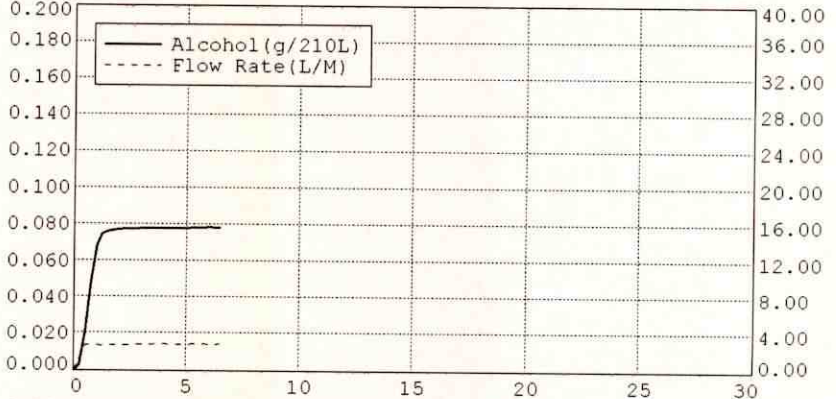
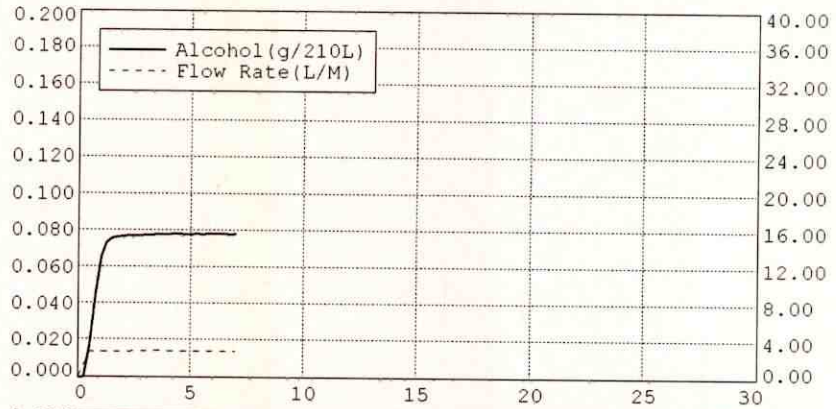
SUPERVISOR NAME:  
 CARLIE BAILEY  
 OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.83: 0.080  
 TANK PRESSURE: 1233 psi

BLANK TEST	0.000	15:15
INTERNAL STANDARD	VERIFIED	15:15
EXTERNAL STANDARD	0.079	15:15
BLANK TEST	0.000	15:16
EXTERNAL STANDARD	0.079	15:16
BLANK TEST	0.000	15:17
EXTERNAL STANDARD	0.079	15:17
BLANK TEST	0.000	15:18
EXTERNAL STANDARD	0.079	15:18
BLANK TEST	0.000	15:19
EXTERNAL STANDARD	0.079	15:20
BLANK TEST	0.000	15:21

Average = 0.0790  
 Std Dev = 0.0000

Lot # AG-113402  
 TANK # 031  
 Exp: 5/14/2023  
 CUB 6/28/2021



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100405

Date: 06/28/2021  
Time: 14:41:10

SUPERVISOR NAME:  
CARLIE BAILEY  
OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.85: 0.080  
TANK PRESSURE: 1247 psi

BLANK TEST	0.000	14:43
INTERNAL STANDARD	VERIFIED	14:43
EXTERNAL STANDARD	0.078	14:43
BLANK TEST	0.000	14:44
EXTERNAL STANDARD	0.078	14:44
BLANK TEST	0.000	14:45
EXTERNAL STANDARD	0.078	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.078	14:46
BLANK TEST	0.000	14:47
EXTERNAL STANDARD	0.078	14:48
BLANK TEST	0.000	14:48

Average = 0.0780  
Std Dev = 0.0000

Lot # AG113402

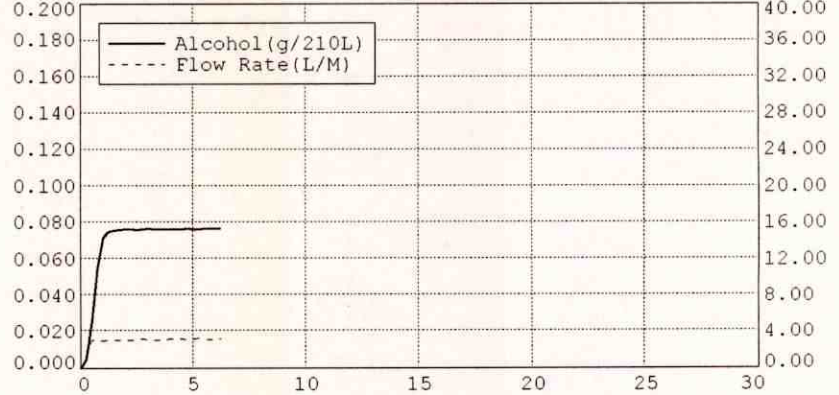
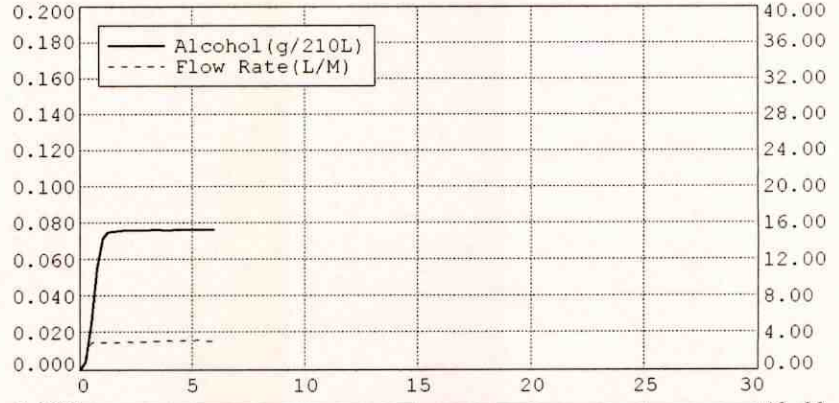
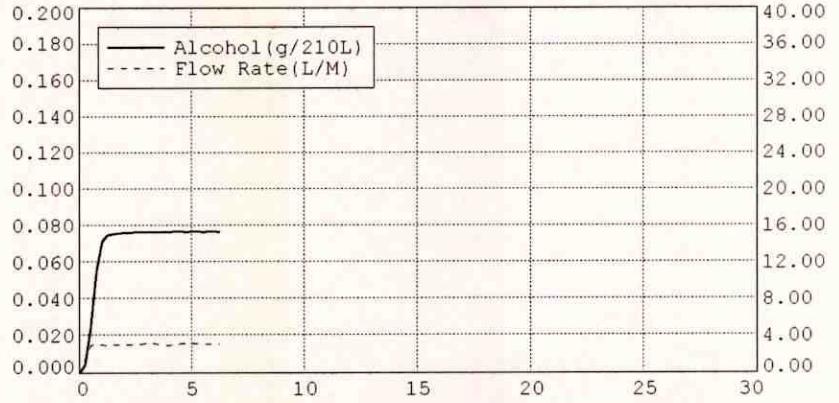
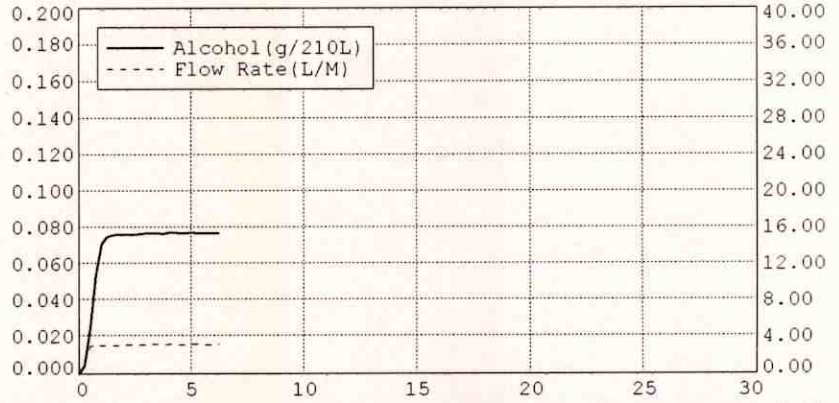
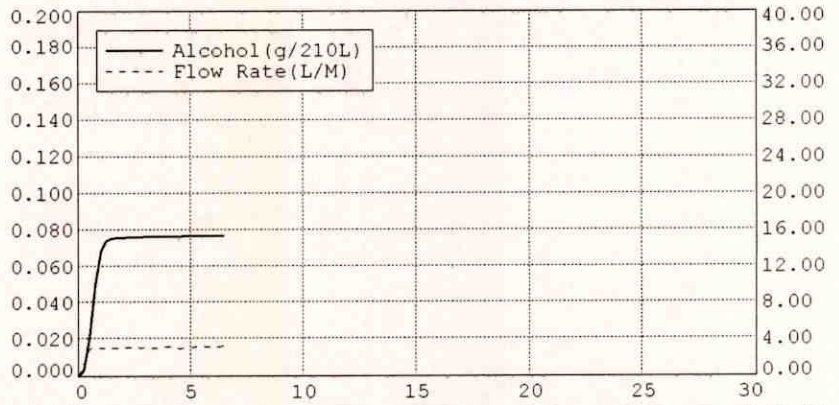
TANK # 060

Exp: 5/14/2023

CUB 6/28/2021

Average = 0.079

CUB 6/29/2021





SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100384

Date: 06/28/2021  
 Time: 14:53:16

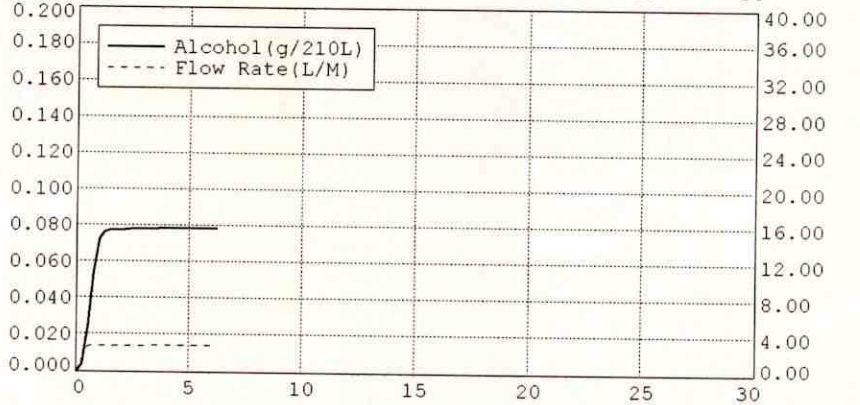
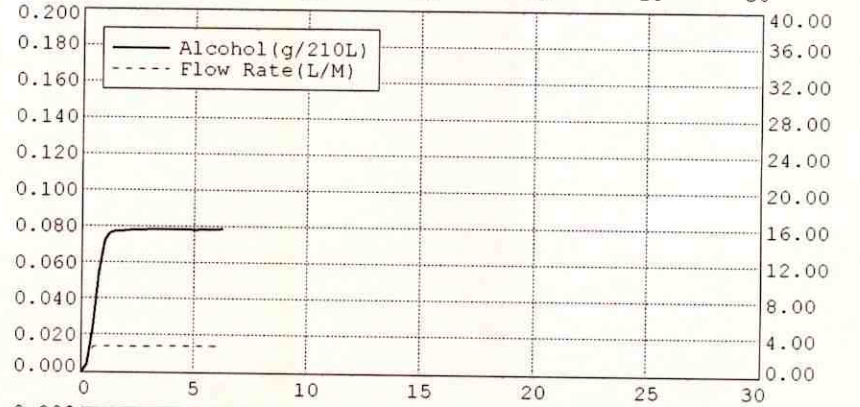
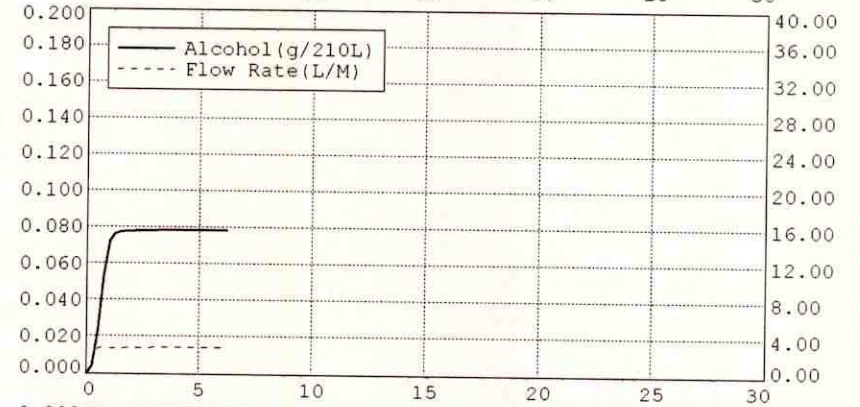
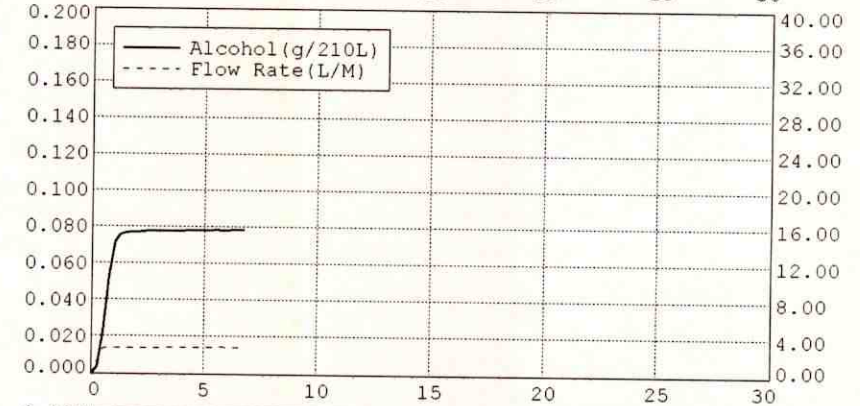
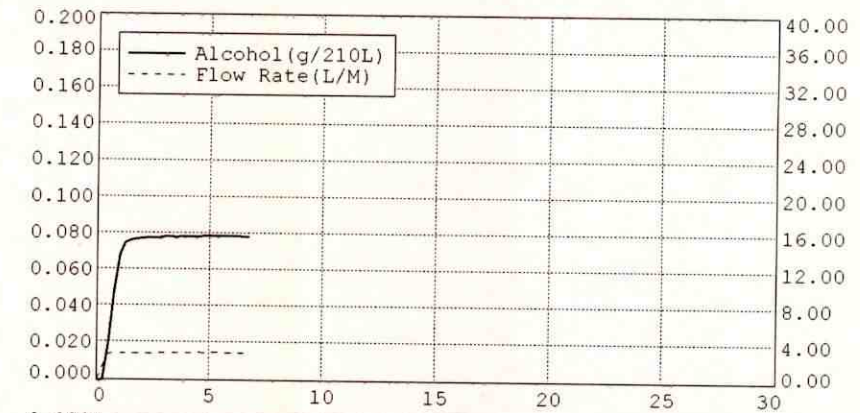
SUPERVISOR NAME:  
 CARLIE BAILEY  
 OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.84: 0.080  
 TANK PRESSURE: 1271 psi

BLANK TEST	0.000	14:55
INTERNAL STANDARD	VERIFIED	14:55
EXTERNAL STANDARD	0.080	14:55
BLANK TEST	0.000	14:56
EXTERNAL STANDARD	0.080	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.080	14:57
BLANK TEST	0.000	14:58
EXTERNAL STANDARD	0.080	14:58
BLANK TEST	0.000	14:59
EXTERNAL STANDARD	0.080	15:00
BLANK TEST	0.000	15:00

Average = 0.0800  
 Std Dev = 0.0000

Lot # AG113402  
 Tank # 060  
 Exp: 5/14/2023  
 CUB (6/28/2021)



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100671

Date: 06/28/2021  
Time: 15:22:26

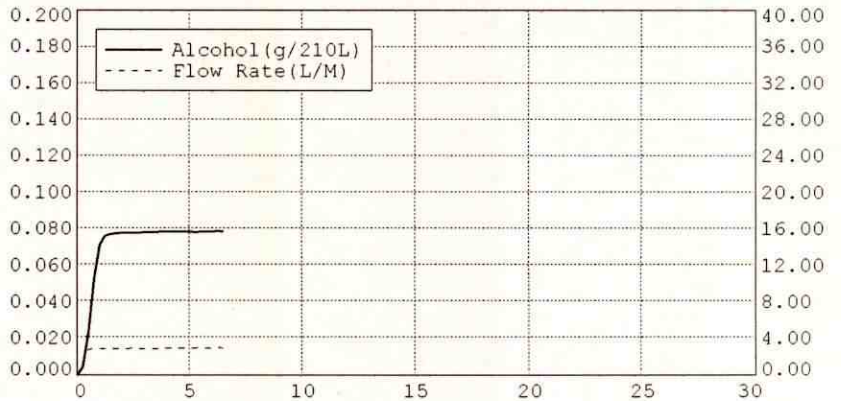
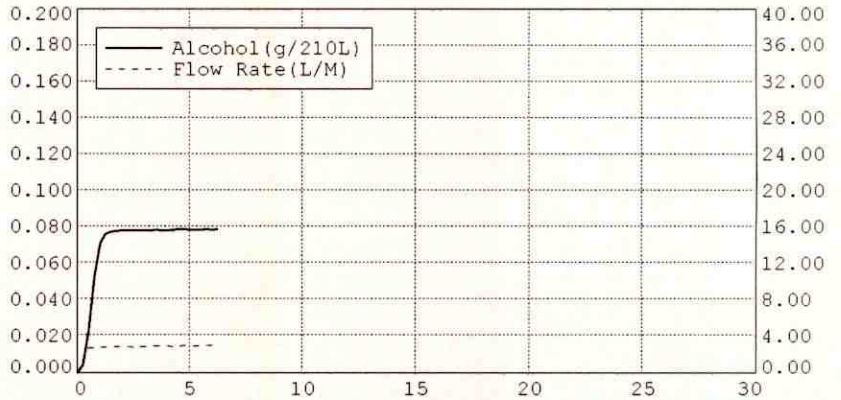
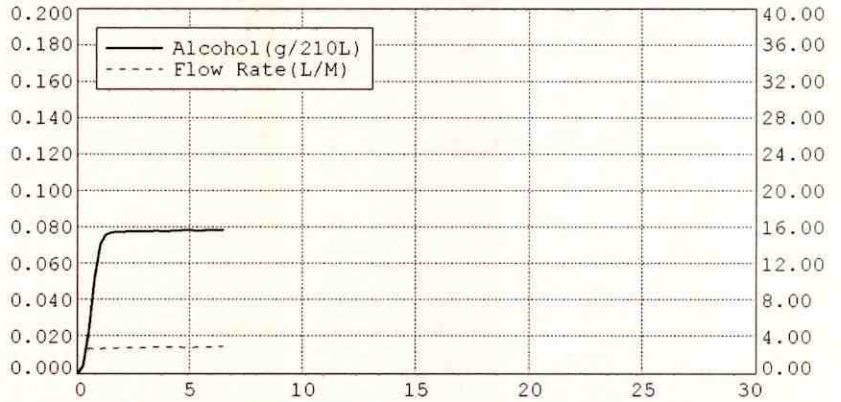
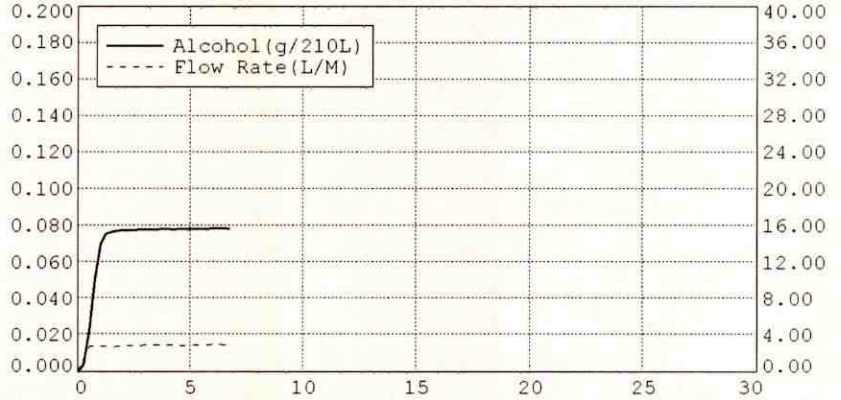
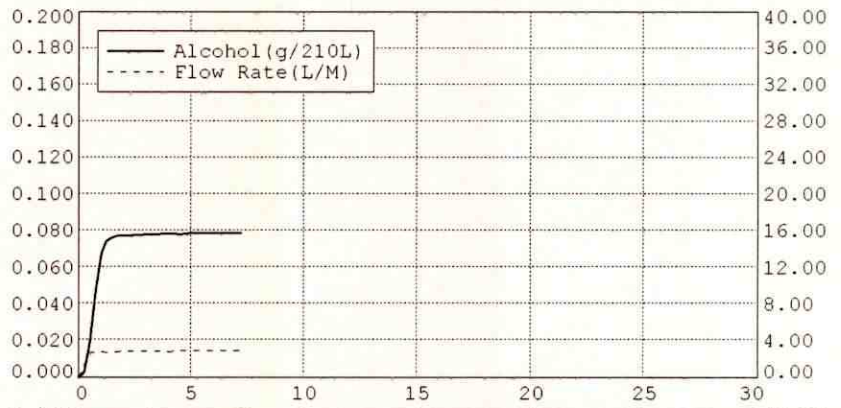
SUPERVISOR NAME:  
CARLIE BAILEY  
OPERATOR'S #: 10436

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.83: 0.080  
TANK PRESSURE: 1240 psi

BLANK TEST	0.000	15:23
INTERNAL STANDARD	VERIFIED	15:23
EXTERNAL STANDARD	0.079	15:24
BLANK TEST	0.000	15:25
EXTERNAL STANDARD	0.079	15:25
BLANK TEST	0.000	15:26
EXTERNAL STANDARD	0.079	15:26
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.079	15:27
BLANK TEST	0.000	15:28
EXTERNAL STANDARD	0.079	15:28
BLANK TEST	0.000	15:29

Average = 0.0790  
Std Dev = 0.0000

Lot # AG113402  
TANK # 060  
EXP: 5/14/2023  
CUB 6/28/2021



DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100405  
-----

Date: 06/28/2021  
Time: 13:26:48

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 47.3°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.72 V PASSED  
(1.01 V - 2.37 V)  
Cooler Voltage = 1.76 V PASSED  
(1.01 V - 2.37 V)  
Bias Voltage = 81 V PASSED  
(49 V - 113 V)  
Chopper Freq = 527 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.9 in

PUMP INFO

Flow Rate = 5.155 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 = 0.088 0.10% (0.00% - 4.00%) PASSED

Technician Screen

-----  
DATAMASTER dmt: 100405  
-----

Date: 06/28/2021  
Time: 1:35 PM

Temperatures (°C)

Sample Cell: 48.7°C  
Breath Tube: 47.1°C

Current Barometer 29.8 in  
Volume (Ltr) 0.00

Settings

Lamp: 1.72 V  
Bias: 81 V  
Cooler: 1.76 V  
Chopper: 526 Hz

Voltages (V)

Flow: 1.05 V  
Detector: 0.083 V

LINEARITY CHECK

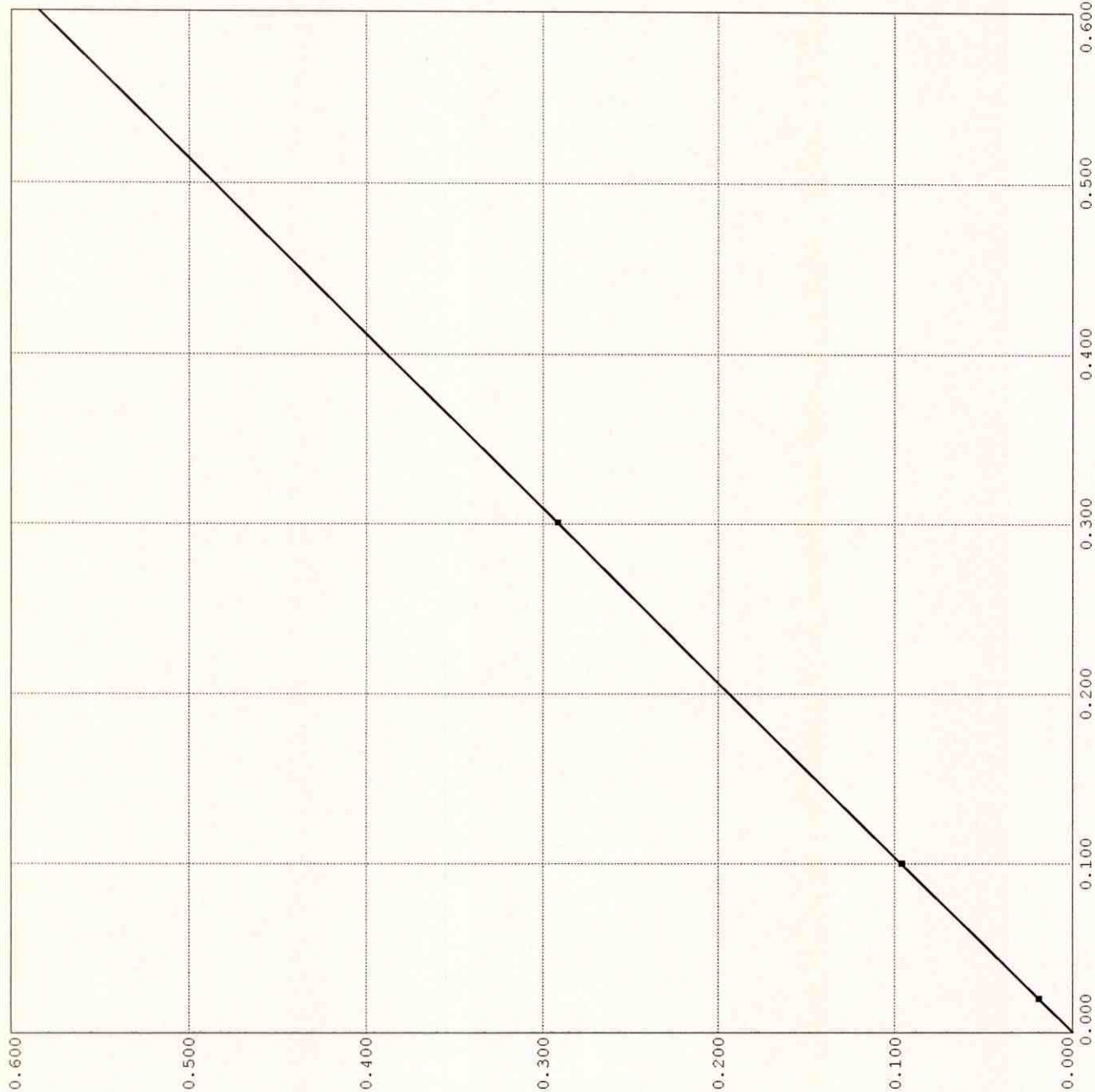
-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100405  
-----

Date: 06/28/2021  
Time: 13:39:50

SUPERVISOR NAME:  
CARLIE BAILEY  
OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0196	0.0005
0.100	0.0970	0.0000
0.300	0.2924	0.0005

SLOPE = 0.974808  
R<sup>2</sup> = 0.999995



CAS

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100405

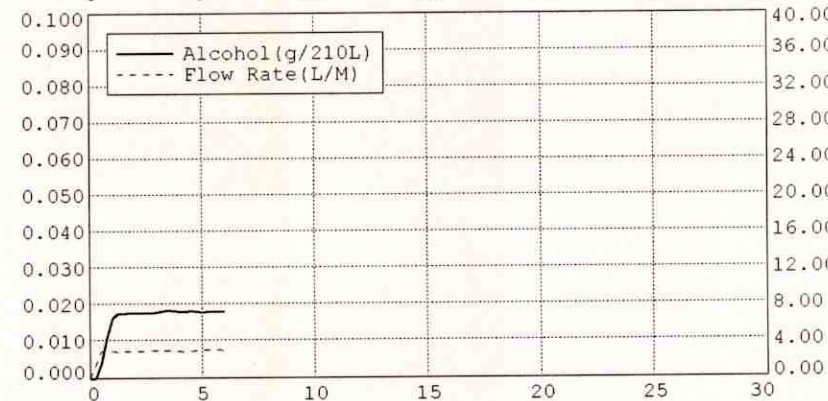
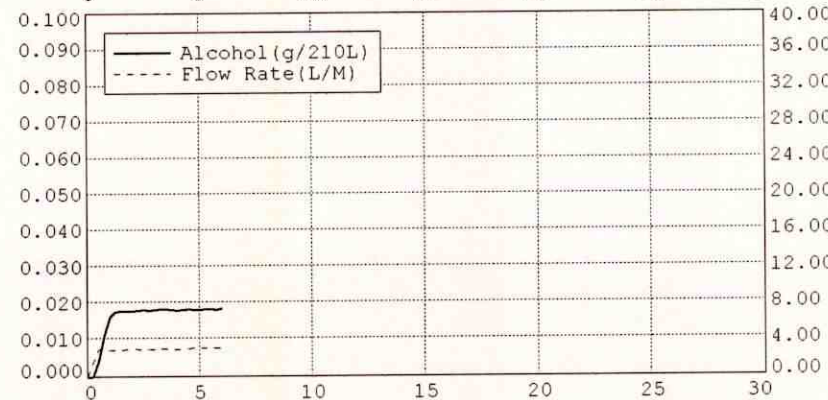
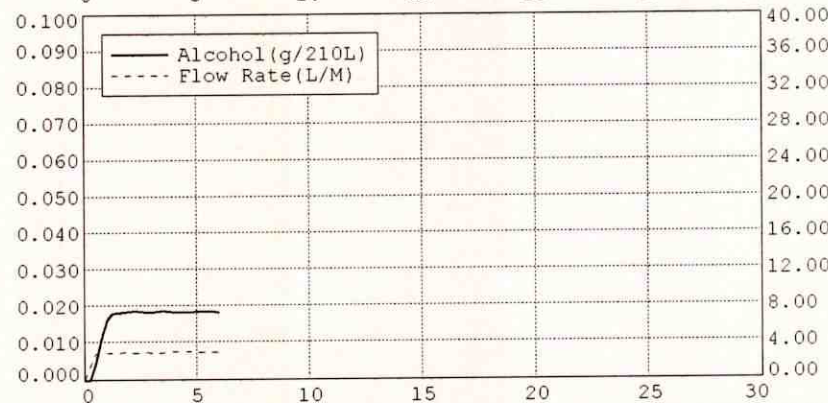
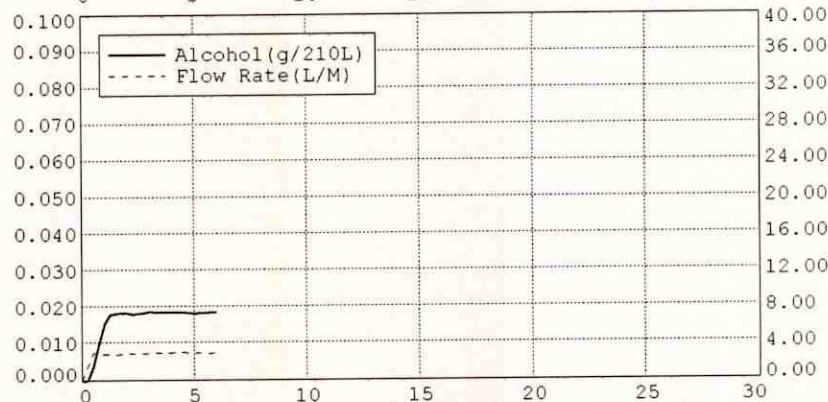
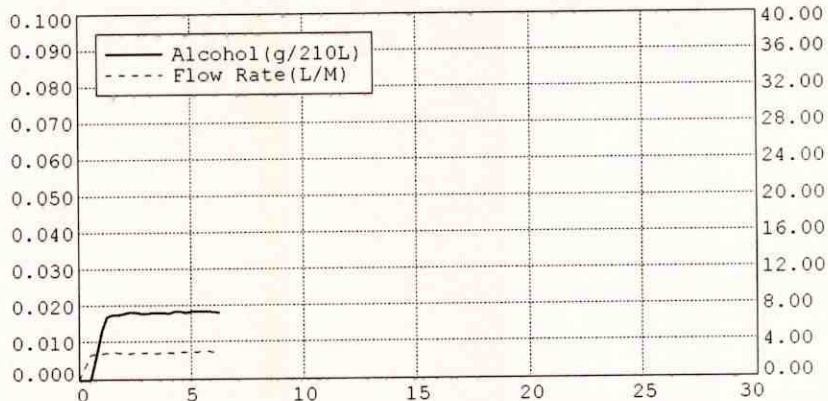
Date: 06/28/2021  
 Time: 13:39:52

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.85: 0.020  
 LOT #: AG928203  
 EXPIRATION: 10/09/2021  
 TANK PRESSURE: 475 psi

BLANK TEST	0.000	13:41
INTERNAL STANDARD	VERIFIED	13:41
EXTERNAL STANDARD	0.020	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.020	13:42
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.020	13:43
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.019	13:44
BLANK TEST	0.000	13:45
EXTERNAL STANDARD	0.019	13:46
BLANK TEST	0.000	13:46

Average = 0.0196  
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100405

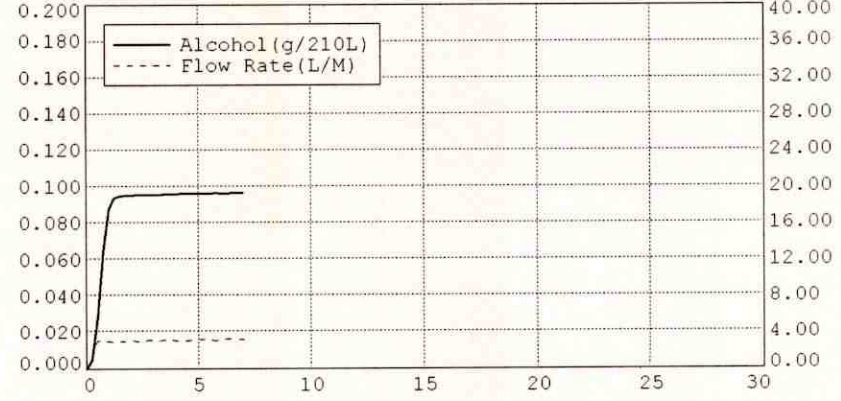
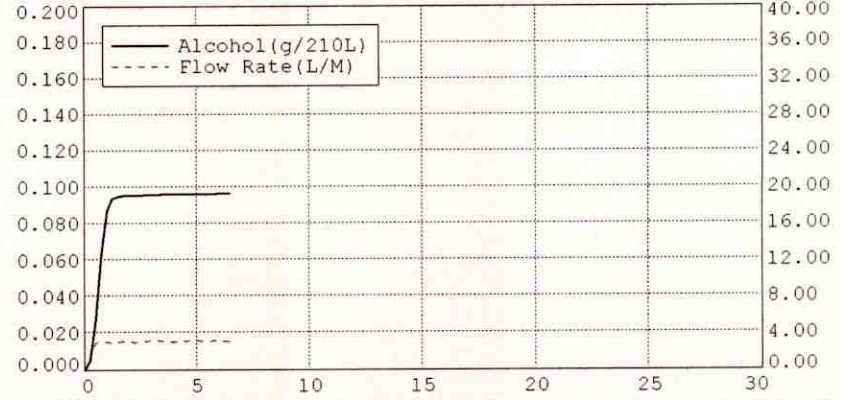
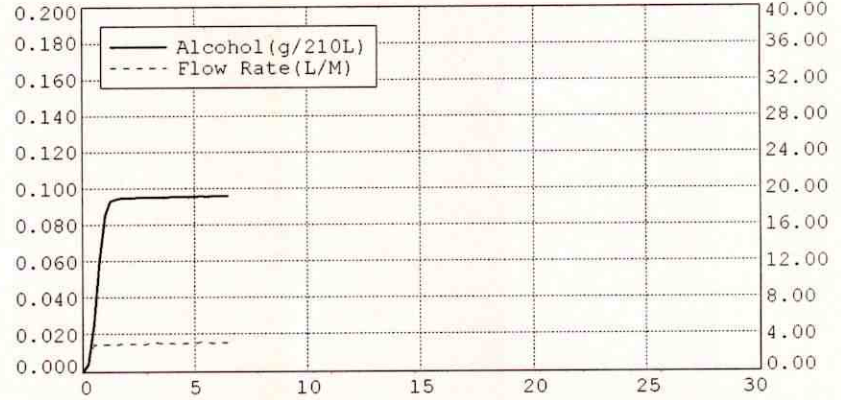
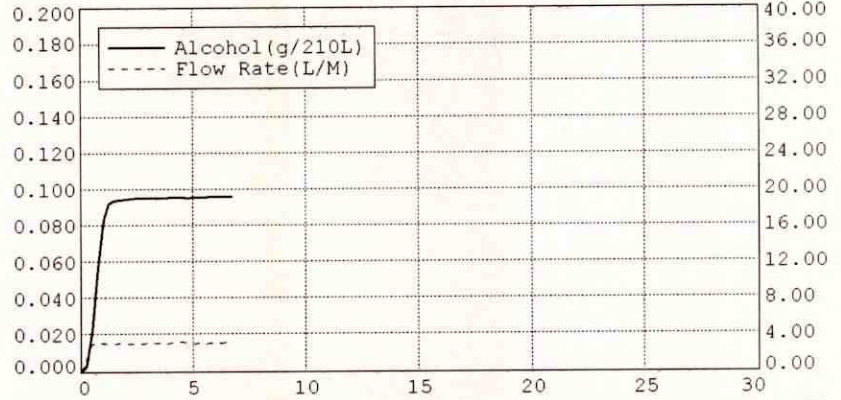
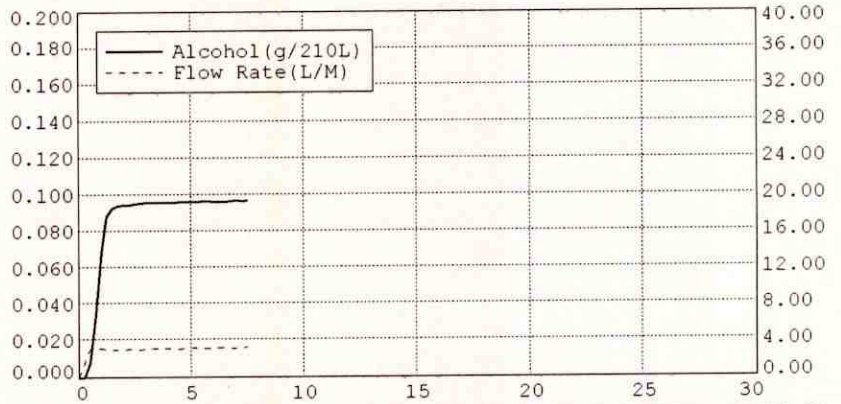
Date: 06/28/2021  
 Time: 13:48:11

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.85: 0.100  
 LOT #: AG108404  
 EXPIRATION: 03/25/2023  
 TANK PRESSURE: 1086 psi

BLANK TEST	0.000	13:49
INTERNAL STANDARD	VERIFIED	13:49
EXTERNAL STANDARD	0.097	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.097	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.097	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.097	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.097	13:54
BLANK TEST	0.000	13:55

Average = 0.0970  
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100405

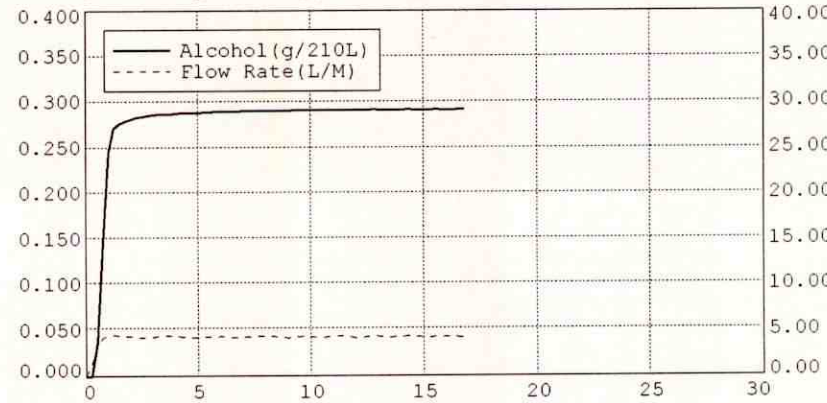
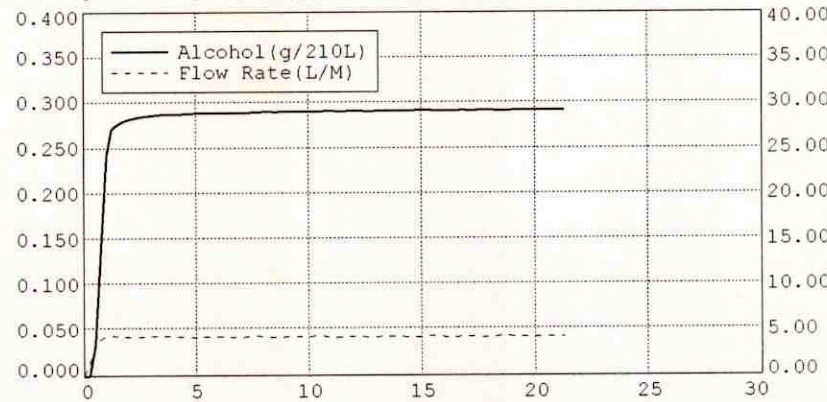
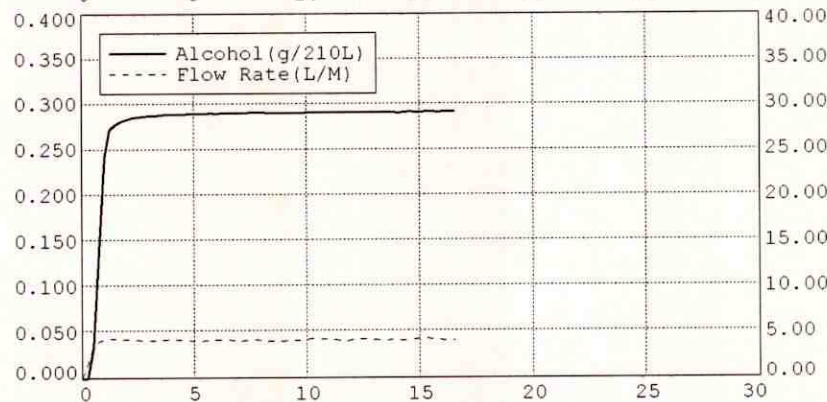
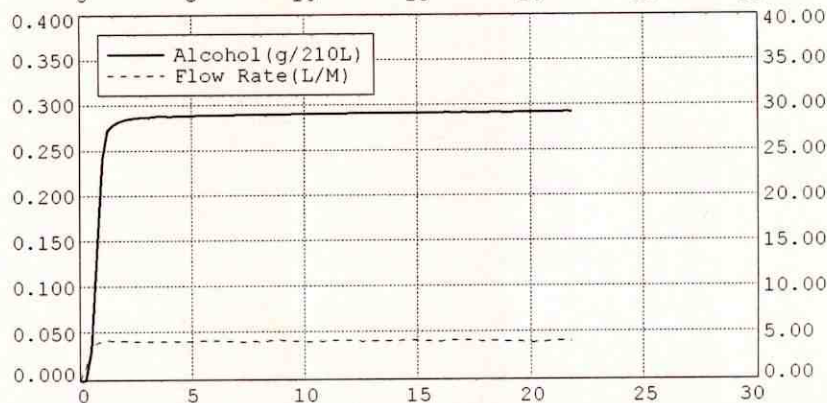
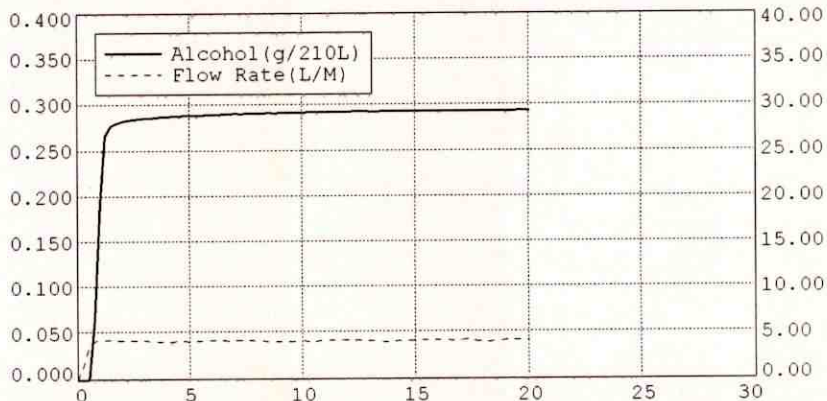
Date: 06/28/2021  
 Time: 14:04:02

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 LOT #: 19330  
 EXPIRATION: 11/13/2021

BLANK TEST	0.000	14:05
INTERNAL STANDARD	VERIFIED	14:05
EXTERNAL STANDARD	0.293	14:05
BLANK TEST	0.000	14:06
EXTERNAL STANDARD	0.293	14:07
BLANK TEST	0.000	14:08
EXTERNAL STANDARD	0.292	14:08
BLANK TEST	0.000	14:09
EXTERNAL STANDARD	0.292	14:09
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.292	14:11
BLANK TEST	0.000	14:12

Average = 0.2924  
 Std Dev = 0.0005

*Simulator Info:*  
 Serial # DR4177  
 Cal: 11/17/2020  
 CWB 6/28/2021





DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100384  
-----

Date: 06/28/2021  
Time: 13:49:39

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 = 47.7°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.64 V PASSED  
(1.02 V - 2.38 V)  
Cooler Voltage = 1.76 V PASSED  
(1.01 V - 2.35 V)  
Bias Voltage = 80 V PASSED  
(48 V - 112 V)  
Chopper Freq = 538 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.8 in

PUMP INFO

Flow Rate = 4.785 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 = 0.090 2.39% (0.00% - 4.00%) PASSED

Technician Screen

-----  
DATAMASTER dmt: 100384  
-----

Date: 06/28/2021  
Time: 1:59 PM

Temperatures (°C)

Sample Cell: 48.7°C  
Breath Tube: 47.6°C

Current Barometer 29.9 in  
Volume (Ltr) 0.00

Settings

Lamp: 1.64 V  
Bias: 80 V  
Cooler: 1.78 V  
Chopper: 538 Hz

Voltages (V)

Flow: 1.06 V  
Detector: 0.017 V

LINEARITY CHECK

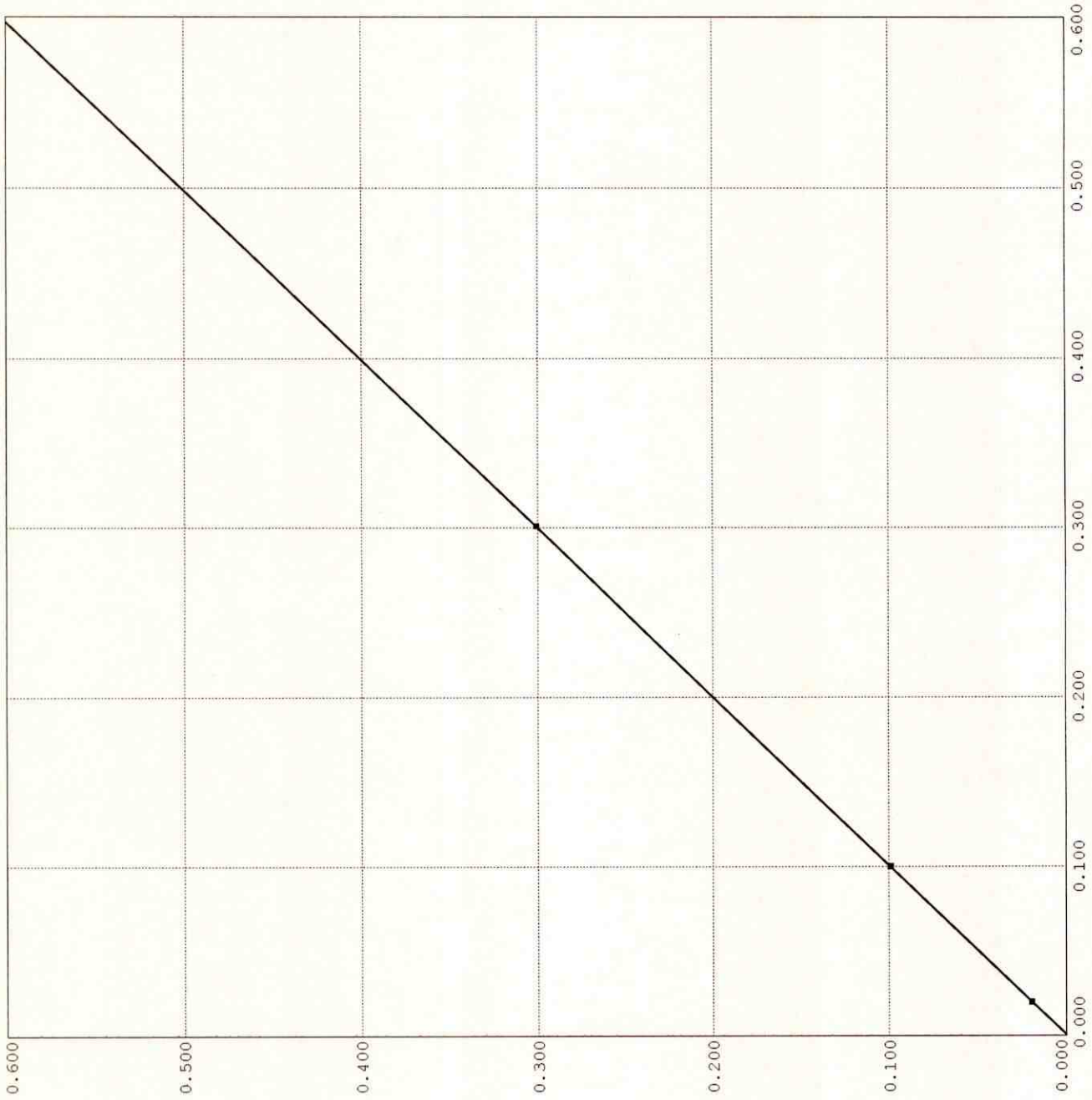
-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100384  
-----

Date: 06/28/2021  
Time: 14:01:25

SUPERVISOR NAME:  
CARLIE BAILEY  
OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.100	0.1000	0.0000
0.300	0.3016	0.0005

SLOPE = 1.006154  
R<sup>2</sup> = 0.999997



CXB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
DATAMASTER dmt: 100384

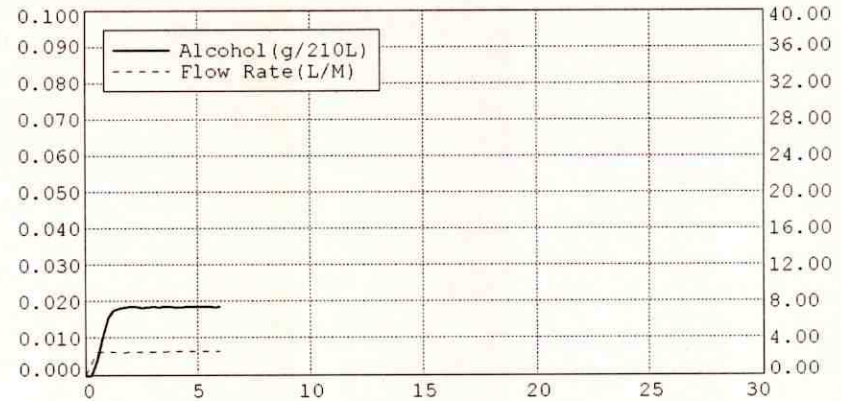
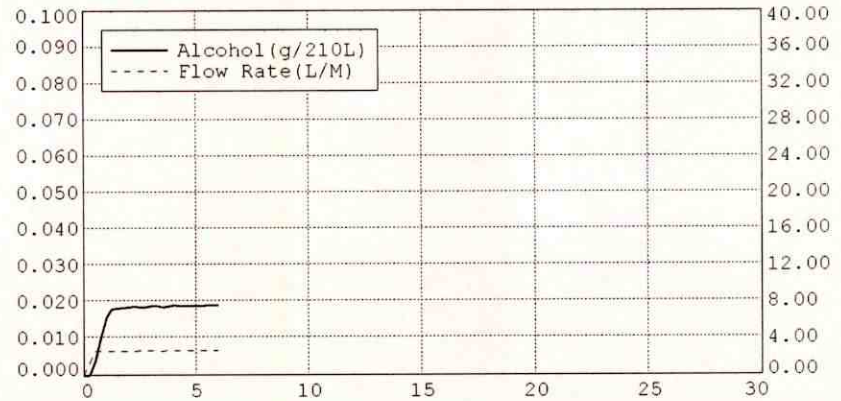
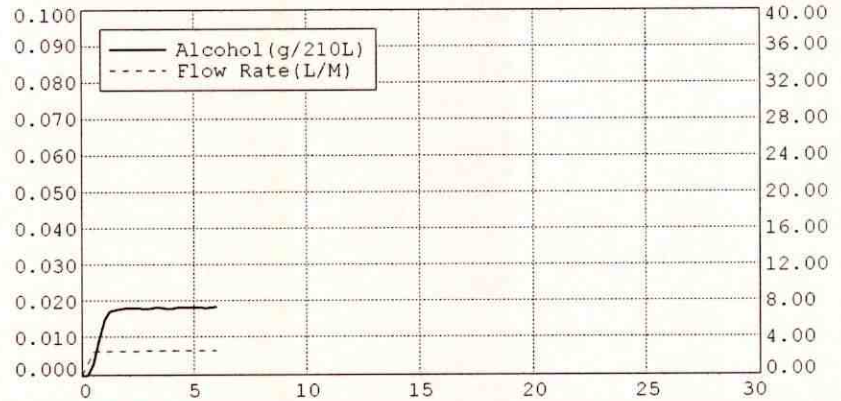
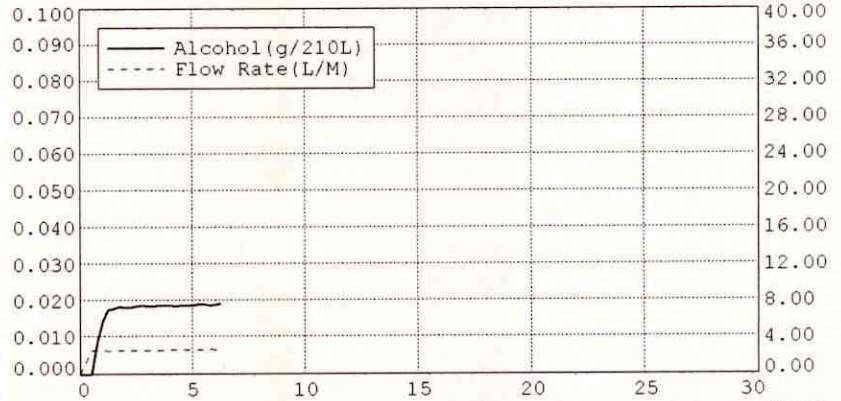
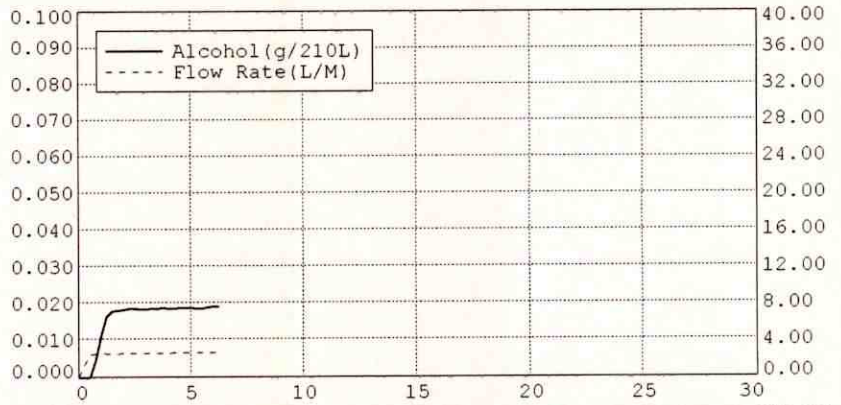
Date: 06/28/2021  
Time: 14:01:27

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
TARGET AT 29.86: 0.020  
LOT #: AG928203  
EXPIRATION: 10/09/2021  
TANK PRESSURE: 364 psi

BLANK TEST	0.000	14:02
INTERNAL STANDARD	VERIFIED	14:03
EXTERNAL STANDARD	0.020	14:03
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.020	14:04
BLANK TEST	0.000	14:05
EXTERNAL STANDARD	0.020	14:05
BLANK TEST	0.000	14:06
EXTERNAL STANDARD	0.020	14:06
BLANK TEST	0.000	14:07
EXTERNAL STANDARD	0.020	14:07
BLANK TEST	0.000	14:08

Average = 0.0200  
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100384

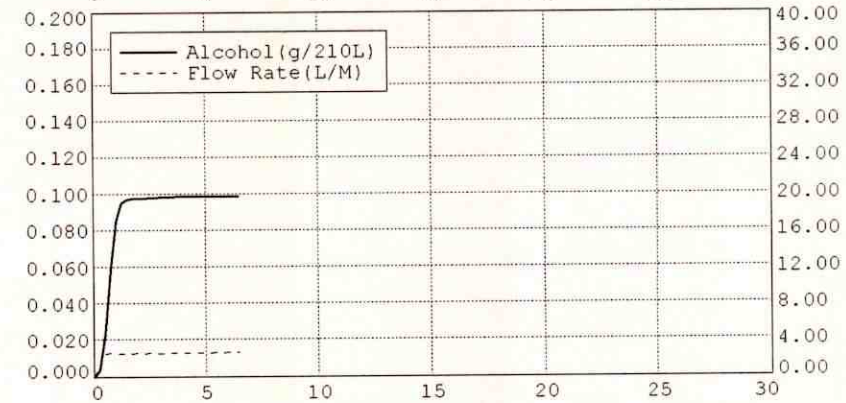
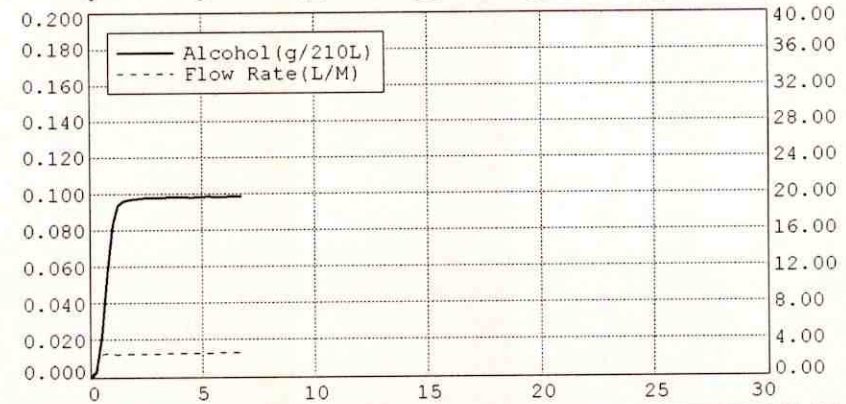
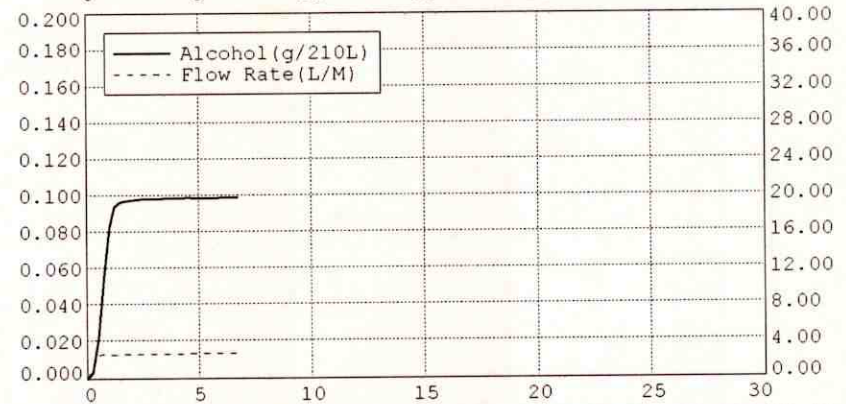
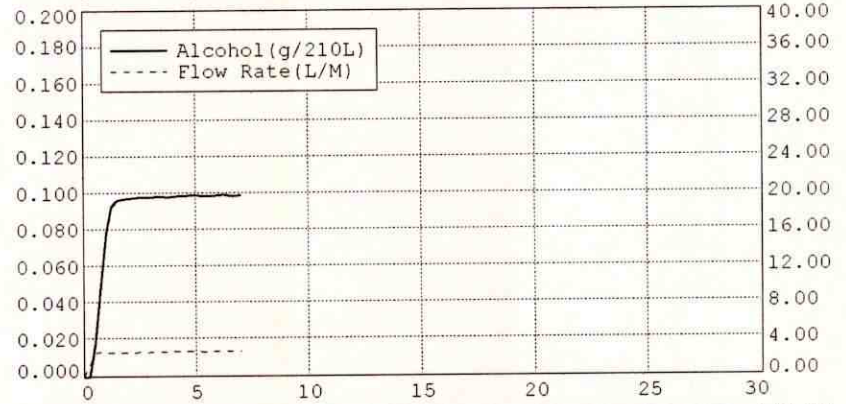
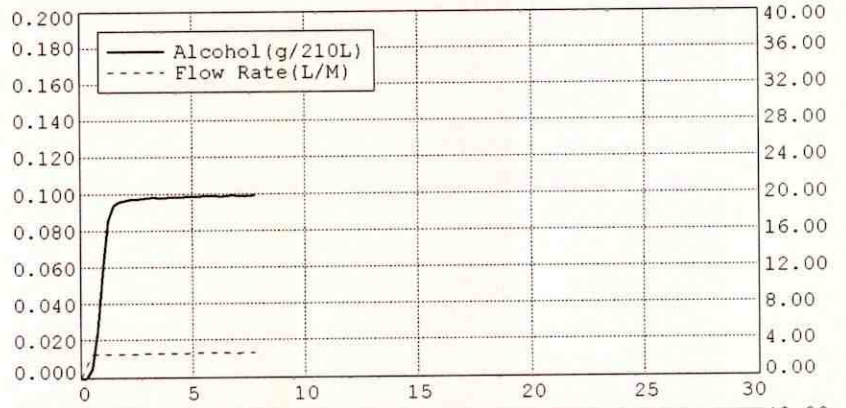
Date: 06/28/2021  
 Time: 14:09:21

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.86: 0.100  
 LOT #: AG924701  
 EXPIRATION: 09/04/2021  
 TANK PRESSURE: 381 psi

BLANK TEST	0.000	14:10
INTERNAL STANDARD	VERIFIED	14:10
EXTERNAL STANDARD	0.100	14:11
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.100	14:12
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.100	14:13
BLANK TEST	0.000	14:14
EXTERNAL STANDARD	0.100	14:14
BLANK TEST	0.000	14:15
EXTERNAL STANDARD	0.100	14:15
BLANK TEST	0.000	14:16

Average = 0.1000  
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
DATAMASTER dmt: 100384

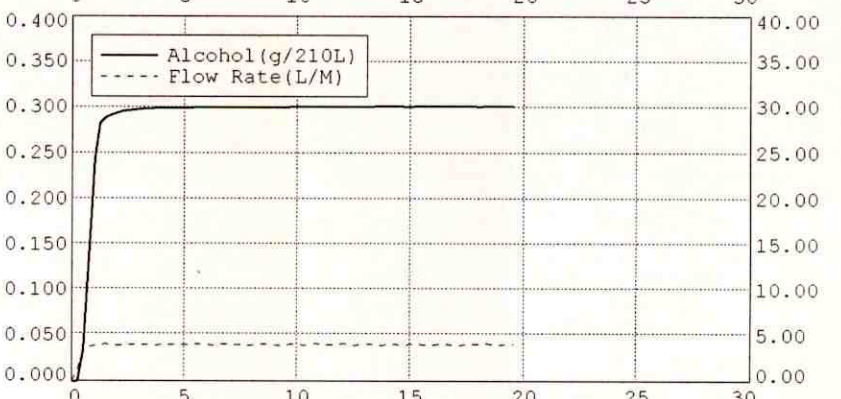
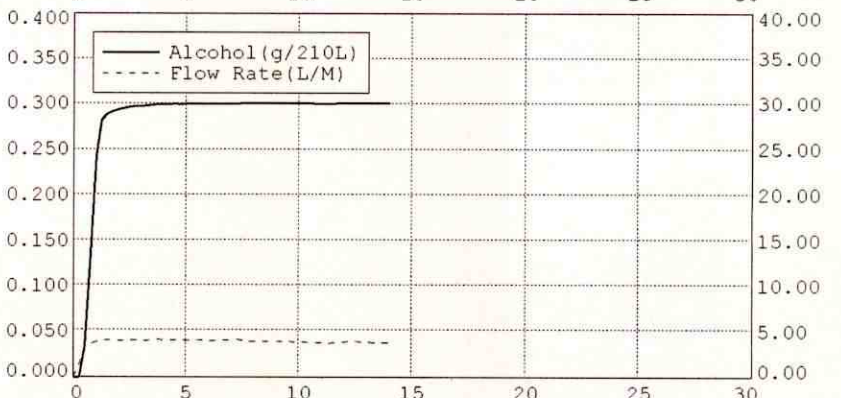
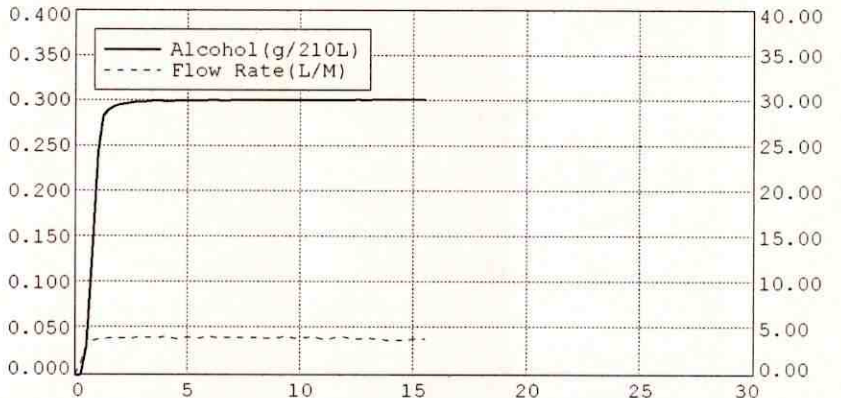
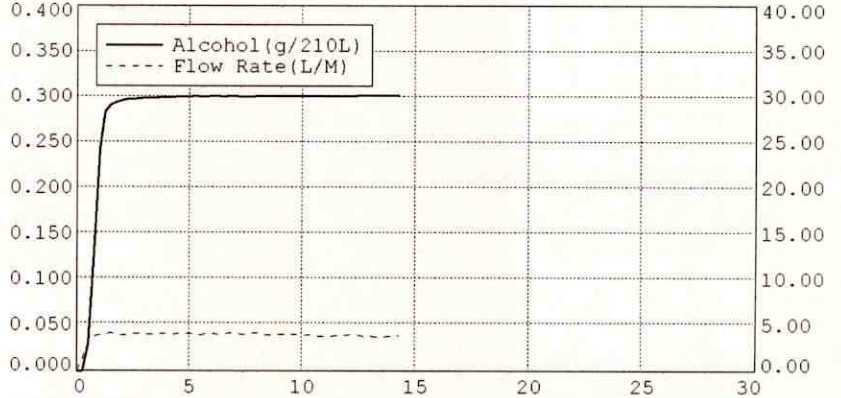
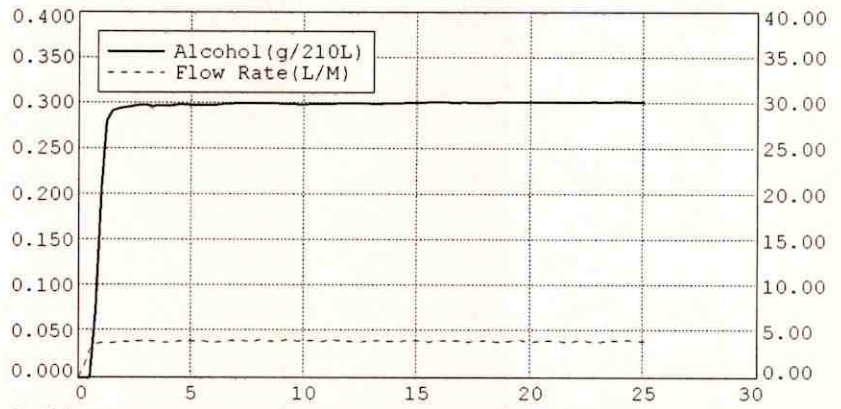
Date: 06/28/2021  
Time: 14:18:32

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.300  
LOT #: 19330  
EXPIRATION: 11/13/2021

BLANK TEST	0.000	14:19
INTERNAL STANDARD	VERIFIED	14:19
EXTERNAL STANDARD	0.302	14:20
BLANK TEST	0.000	14:21
EXTERNAL STANDARD	0.301	14:21
BLANK TEST	0.000	14:22
EXTERNAL STANDARD	0.302	14:22
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.301	14:24
BLANK TEST	0.000	14:25
EXTERNAL STANDARD	0.302	14:25
BLANK TEST	0.000	14:26

Average = 0.3016  
Std Dev = 0.0005

Simulator Info:  
Serial # DR4177  
Cal: 11/17/2020  
CUB 6/28/2021



DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100671  
-----

Date: 06/28/2021  
Time: 13:58:02

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 = 47.3°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.69 V PASSED  
(1.01 V - 2.37 V)  
Cooler Voltage = 1.81 V PASSED  
(1.00 V - 2.32 V)  
Bias Voltage = 78 V PASSED  
(47 V - 111 V)  
Chopper Freq = 544 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.8 in

PUMP INFO

Flow Rate = 4.798 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 = 0.100 1.78% (0.00% - 4.00%) PASSED

Technician Screen

-----  
DATAMASTER dmt: 100671  
-----

Date: 06/28/2021  
Time: 2:06 PM

Temperatures (°C)  
Sample Cell: 48.9°C  
Breath Tube: 46.9°C

Current Barometer 29.8 in  
Volume (Ltr) 0.00

Settings  
Lamp: 1.69 V  
Bias: 78 V  
Cooler: 1.81 V  
Chopper: 542 Hz

Voltages (V)  
Flow: 1.07 V  
Detector: 0.012 V



LINEARITY CHECK

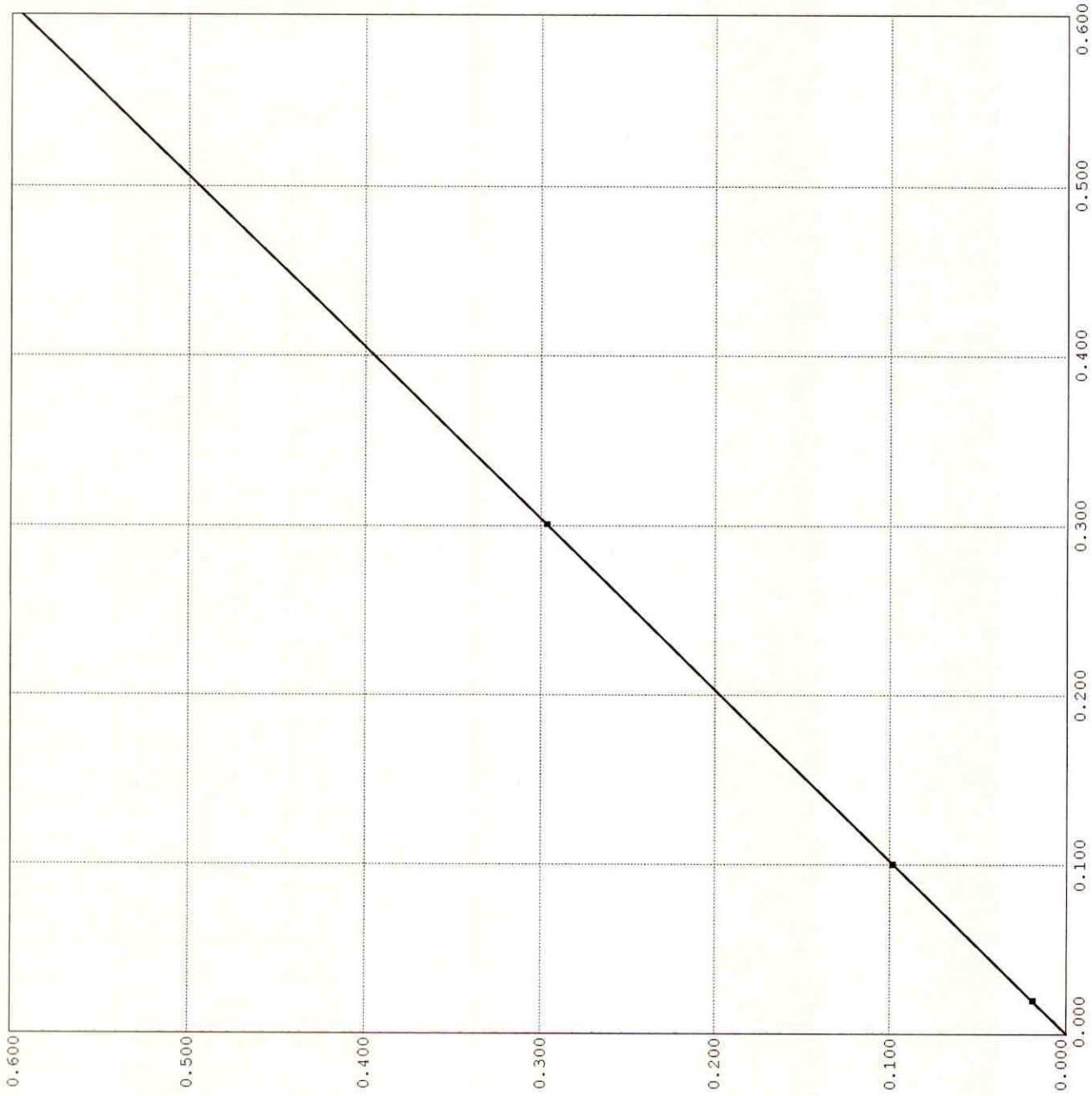
-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100671  
-----

Date: 06/28/2021  
Time: 14:18:04

SUPERVISOR NAME:  
CARLIE BAILEY  
OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0196	0.0005
0.100	0.0994	0.0005
0.300	0.2972	0.0015

SLOPE = 0.990962  
R<sup>2</sup> = 0.999996



COXS

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

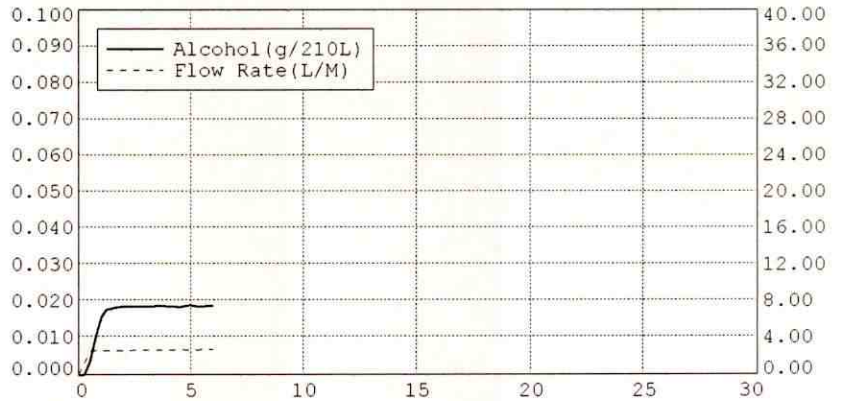
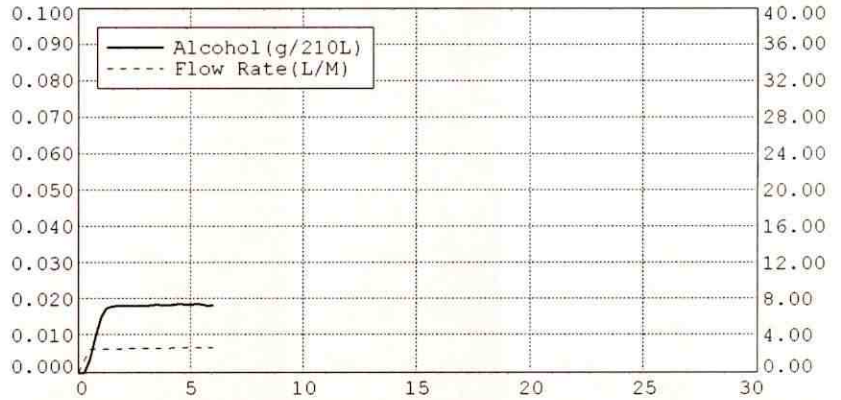
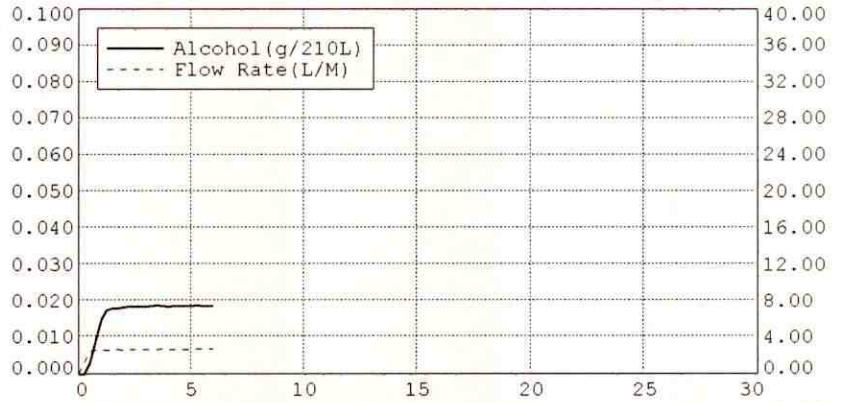
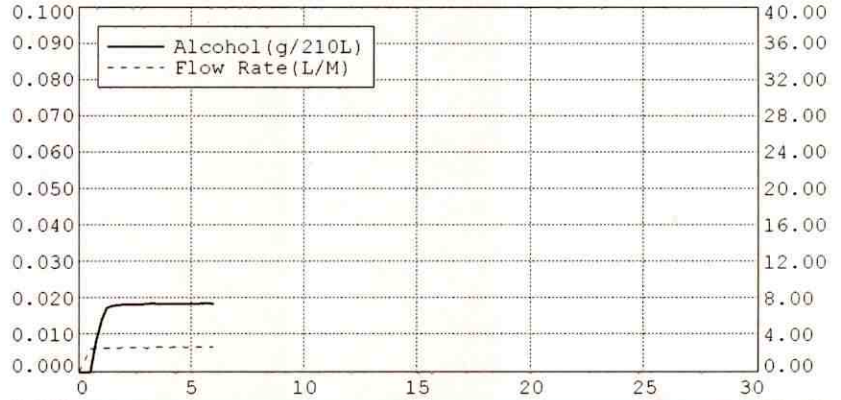
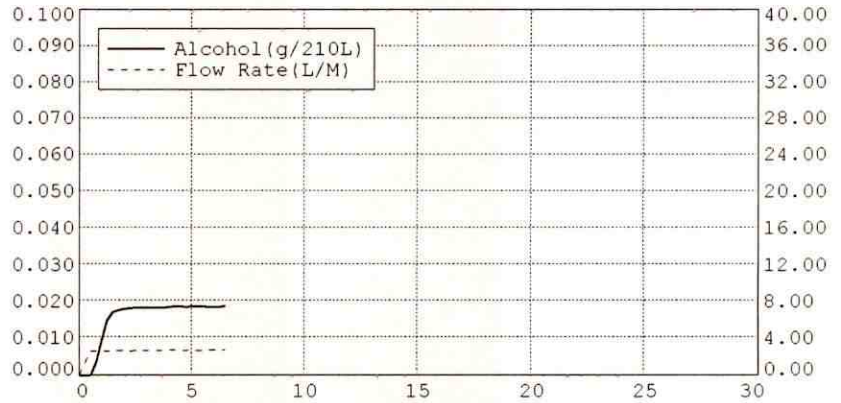
Date: 06/28/2021  
 Time: 14:18:07

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.85: 0.020  
 LOT #: AG928203  
 EXPIRATION: 10/09/2021  
 TANK PRESSURE: 352 psi

BLANK TEST	0.000	14:19
INTERNAL STANDARD	VERIFIED	14:19
EXTERNAL STANDARD	0.019	14:19
BLANK TEST	0.000	14:20
EXTERNAL STANDARD	0.020	14:21
BLANK TEST	0.000	14:21
EXTERNAL STANDARD	0.020	14:22
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.019	14:23
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.020	14:24
BLANK TEST	0.000	14:25

Average = 0.0196  
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

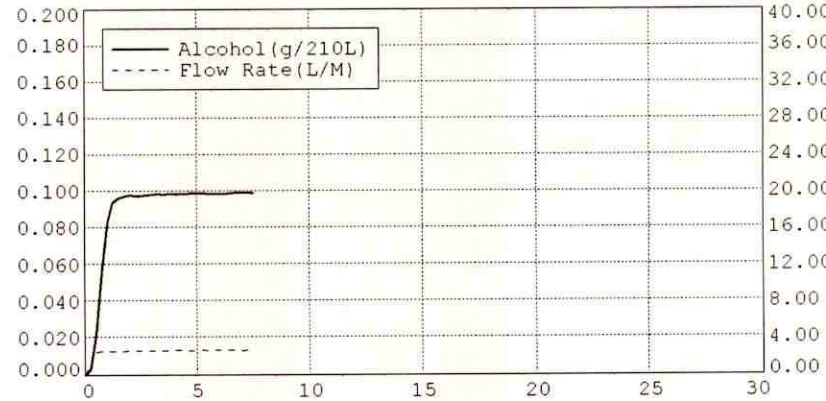
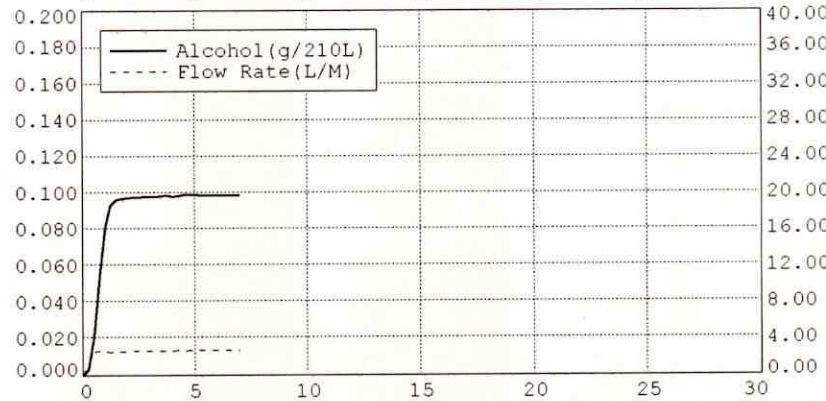
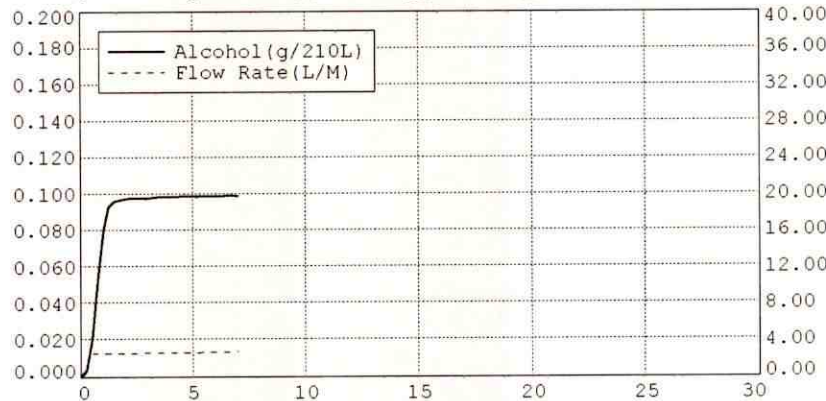
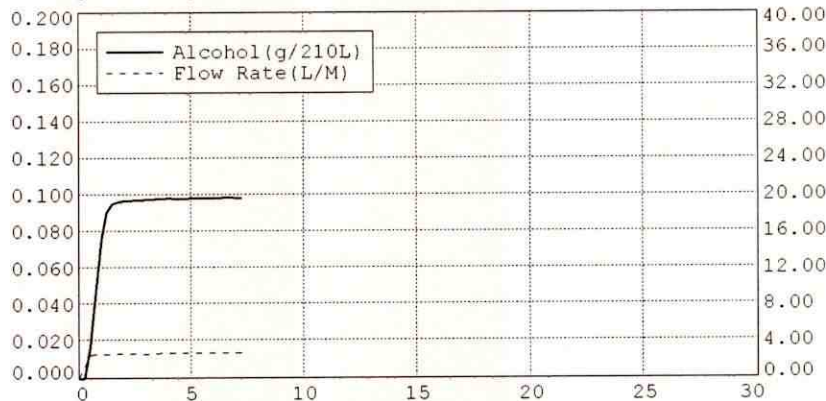
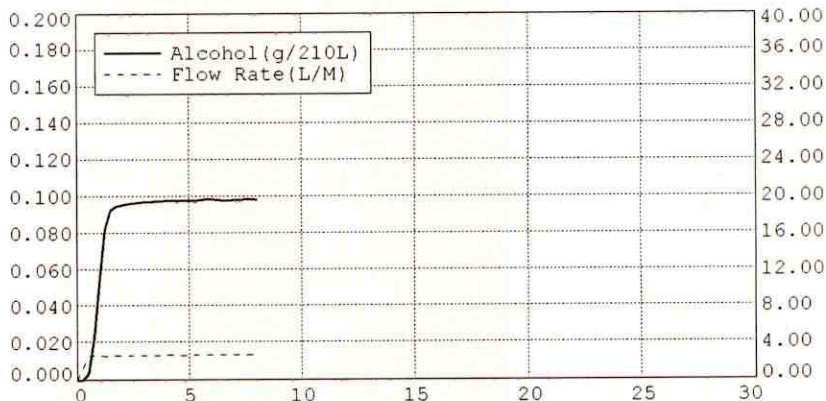
Date: 06/28/2021  
 Time: 14:27:15

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.84: 0.100  
 LOT #: AG924701  
 EXPIRATION: 09/04/2021  
 TANK PRESSURE: 366 psi

BLANK TEST	0.000	14:28
INTERNAL STANDARD	VERIFIED	14:28
EXTERNAL STANDARD	0.099	14:29
BLANK TEST	0.000	14:29
EXTERNAL STANDARD	0.099	14:30
BLANK TEST	0.000	14:31
EXTERNAL STANDARD	0.100	14:31
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.099	14:32
BLANK TEST	0.000	14:33
EXTERNAL STANDARD	0.100	14:33
BLANK TEST	0.000	14:34

Average = 0.0994  
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

Date: 06/28/2021  
 Time: 14:44:19

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 LOT #: 19330  
 EXPIRATION: 11/13/2021

BLANK TEST	0.000	14:45
INTERNAL STANDARD	VERIFIED	14:45
EXTERNAL STANDARD	0.295	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.297	14:47
BLANK TEST	0.000	14:48
EXTERNAL STANDARD	0.299	14:48
BLANK TEST	0.000	14:49
EXTERNAL STANDARD	0.298	14:49
BLANK TEST	0.000	14:50
EXTERNAL STANDARD	0.297	14:51
BLANK TEST	0.000	14:52

Average = 0.2972  
 Std Dev = 0.0015

*Simulator Info:*  
 Serial # DR4177  
 Cal: 11/17/2020  
 CUB 10/28/2021

