



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: 16-Nov-2023

Lot # AG332004 **Model** 108

Exp Date	Cyl. Type	Component	Certified Concentration
16-Nov-2025	108	Ethanol Nitrogen	0.150 ± 2% BrAC (390 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	799.4 ppm	CC727493	389.8 ppm
CC727496	253.4 ppm	CC727498	150.2 ppm

Analytical Method: NDIR

Digitally signed by:Quality Control
Reason:Dry gas standard certification of analysis
Location:Airgas USA LLC (Lab)
Date:11.16.2023 17:47

Approved for Release: _____
Yusef Woods

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

Test Date	Instrument S/N	Analyst	Lot Number	Tank Number	Measured Avg	Barometric Pressure (inHG)	At Standard Pressure (g/210L)	Calculations
2023.12.13	100375	COB	AG332004	001	0.1428	28.88	0.1479	excel calculation is =IF(A2="",F2/((G2/29.92)))
2023.12.13	100397	COB	AG332004	001	0.1422	28.92	0.1471	excel calculation is =IF(A3="",F3/((G3/29.92)))
2023.12.13	100399	COB	AG332004	001	0.1438	28.90	0.1489	excel calculation is =IF(A4="",F4/((G4/29.92)))
Tank Average (g/210L)							0.148	excel calculation is =ROUND(AVERAGE(H2:H4),3)

Test Date	Instrument S/N	Analyst	Lot Number	Tank Number	Measured Avg	Barometric Pressure (inHG)	At Standard Pressure (g/210L)	Calculations
2023.12.13	100375	COB	AG332004	002	0.1434	28.89	0.1485	excel calculation is =IF(A8="",F8/((G8/29.92)))
2023.12.13	100397	COB	AG332004	002	0.1430	28.95	0.1478	excel calculation is =IF(A9="",F9/((G9/29.92)))
2023.12.13	100399	COB	AG332004	002	0.1434	28.91	0.1484	excel calculation is =IF(A10="",F10/((G10/29.92)))
Tank Average (g/210L)							0.148	excel calculation is =ROUND(AVERAGE(H8:H10),3)

Test Date	Instrument S/N	Analyst	Lot Number	Tank Number	Measured Avg	Barometric Pressure (inHG)	At Standard Pressure (g/210L)	Calculations
2023.12.13	100375	COB	AG332004	004	0.1430	28.92	0.1479	excel calculation is =IF(A14="",F14/((G14/29.92)))
2023.12.13	100397	COB	AG332004	004	0.1420	28.95	0.1468	excel calculation is =IF(A15="",F15/((G15/29.92)))
2023.12.13	100399	COB	AG332004	004	0.1432	28.91	0.1482	excel calculation is =IF(A16="",F16/((G16/29.92)))
Tank Average (g/210L)							0.148	excel calculation is =ROUND(AVERAGE(H14:H16),3)

SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 12/13/2023
 Time: 12:50:13

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 28.88: 0.145
 TANK PRESSURE: 753 psi

BLANK TEST	0.000	12:51
INTERNAL STANDARD	VERIFIED	12:51
EXTERNAL STANDARD	0.143	12:51
BLANK TEST	0.000	12:52
EXTERNAL STANDARD	0.142	12:53
BLANK TEST	0.000	12:54
EXTERNAL STANDARD	0.143	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.143	12:55
BLANK TEST	0.000	12:56
EXTERNAL STANDARD	0.143	12:56
BLANK TEST	0.000	12:57

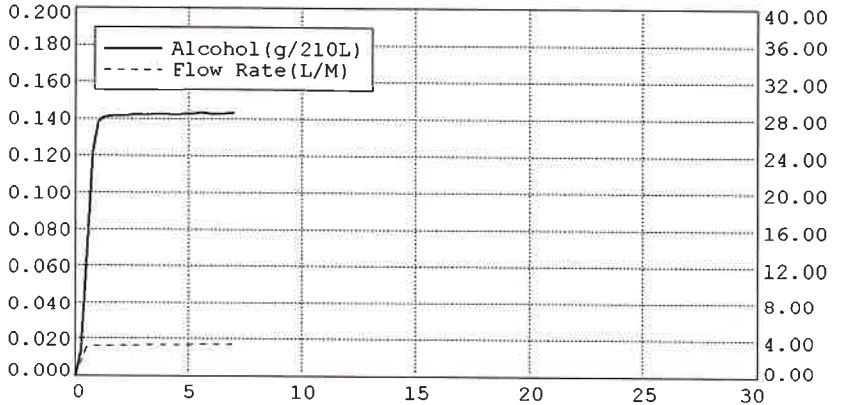
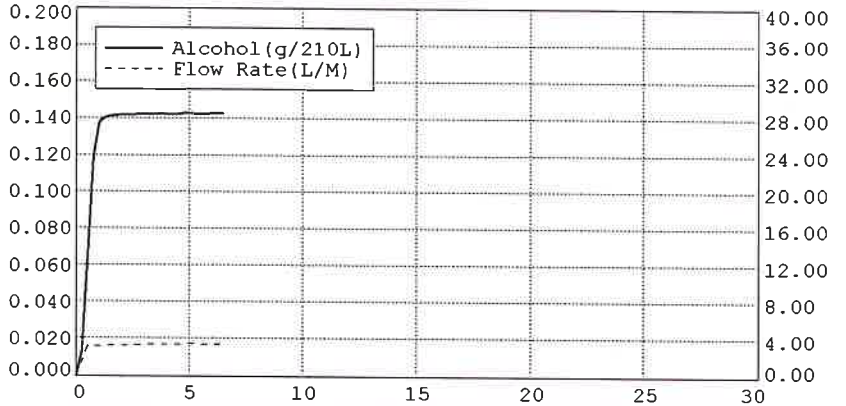
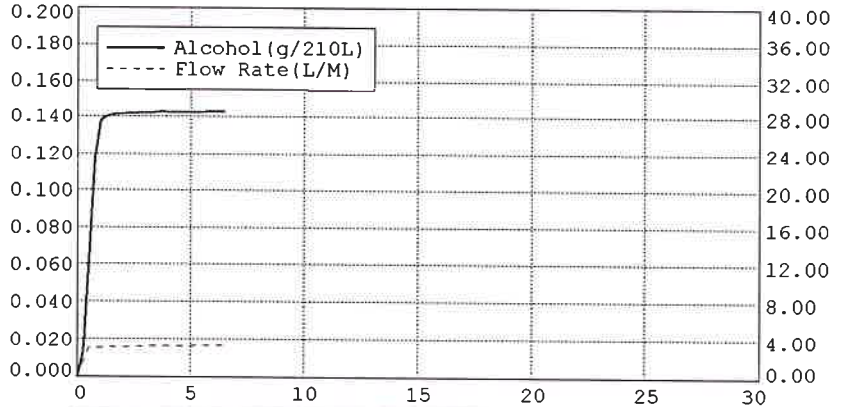
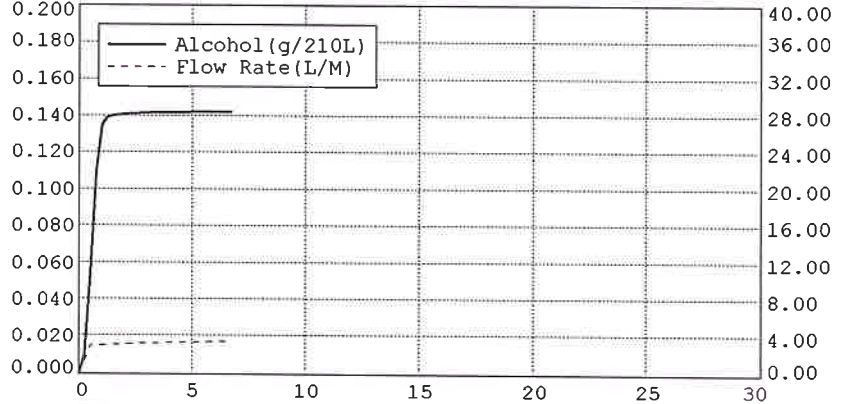
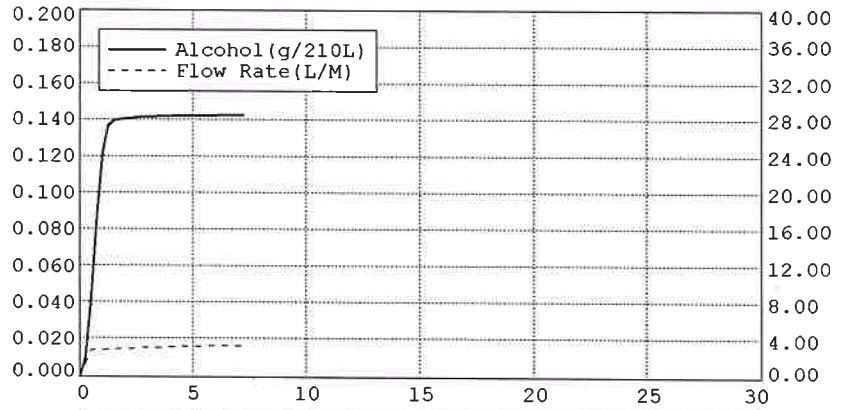
Average = 0.1428
 Std Dev = 0.0004

Lot AG332004
Exp 11/16/25
Tank 001

COB 12/13/23
COB 12/13/25
COB 12/13/24

Avg = 0.143

Avg @ Std. Pressure
= 0.148



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 12/13/2023
 Time: 12:37:07

SUPERVISOR NAME:
 COLLEEN S OBYRANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION

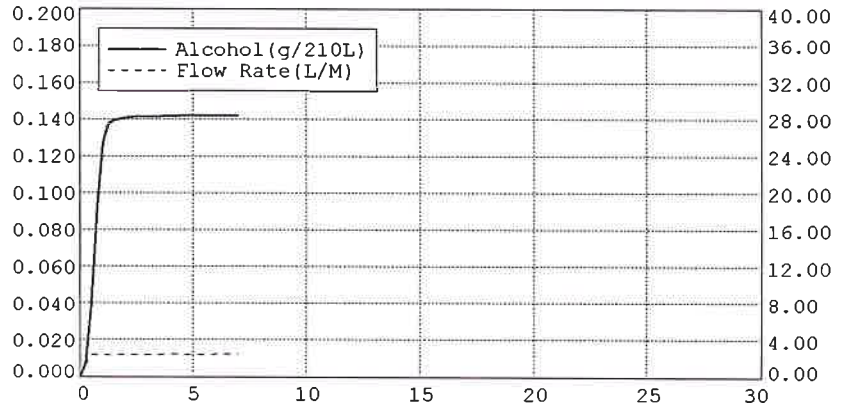
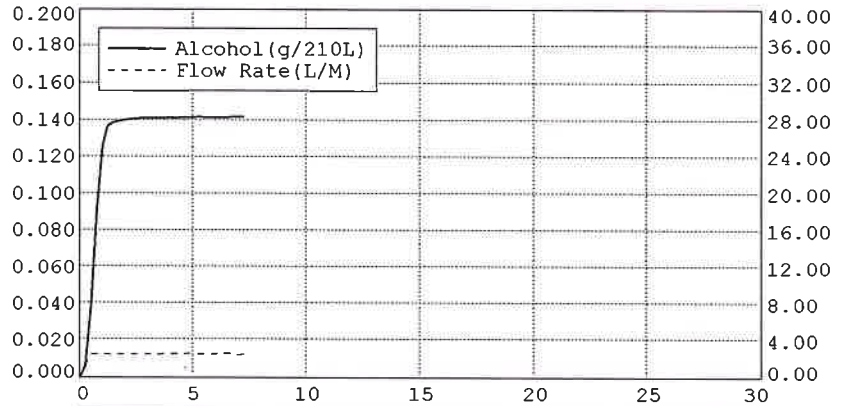
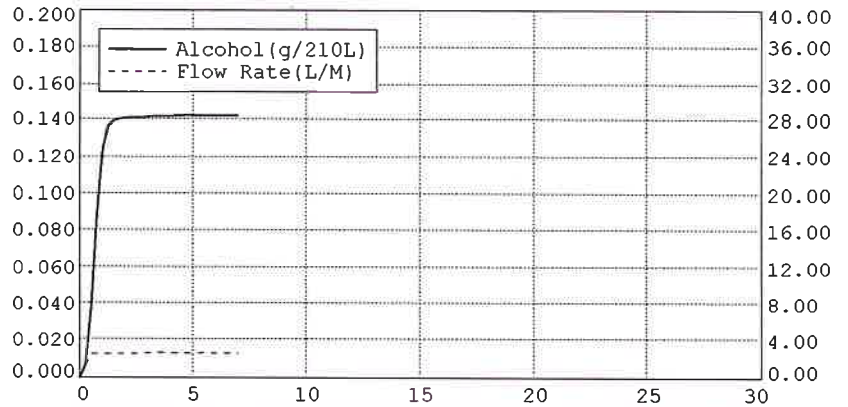
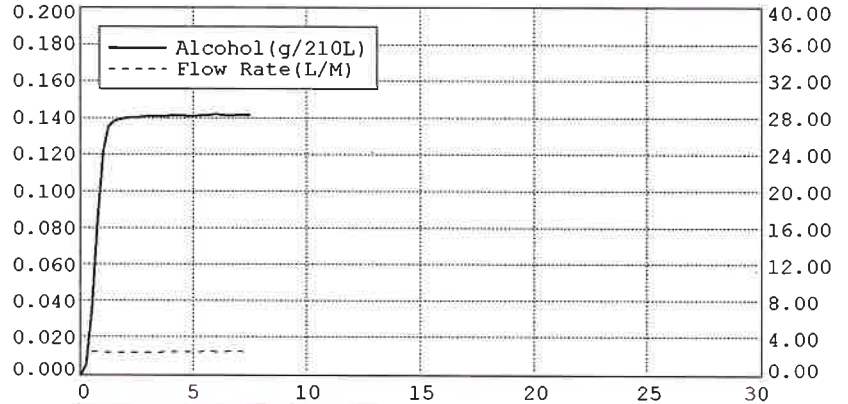
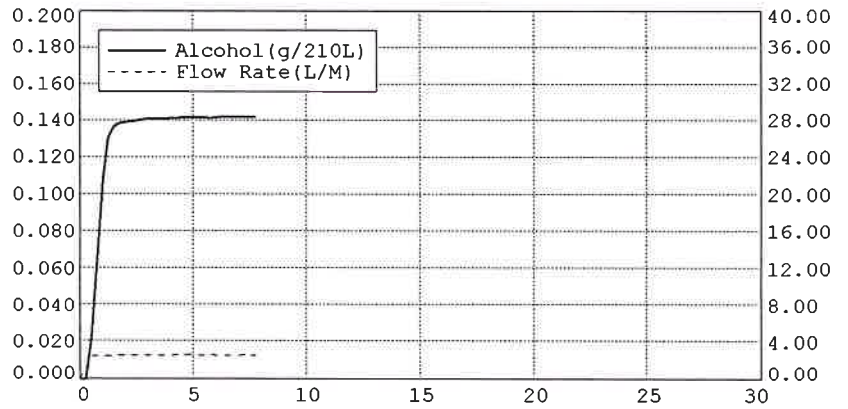
NOMINAL: 0.150
 TARGET AT 28.92: 0.145
 TANK PRESSURE: 718 psi

BLANK TEST	0.000	12:40
INTERNAL STANDARD	VERIFIED 0.142	12:40
EXTERNAL STANDARD	0.142	12:41
BLANK TEST	0.000	12:42
EXTERNAL STANDARD	0.142	12:42
BLANK TEST	0.000	12:43
EXTERNAL STANDARD	0.142	12:43
BLANK TEST	0.000	12:44
EXTERNAL STANDARD	0.142	12:44
BLANK TEST	0.000	12:45
EXTERNAL STANDARD	0.143	12:45
BLANK TEST	0.000	12:46

Average = 0.1422
 Std Dev = 0.0004

*Lot AG332004
 Exp 11/16/25
 Tank 001*

*COB 12/13/23
 COB 12/13/24*



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 12/13/2023
Time: 12:34:51

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

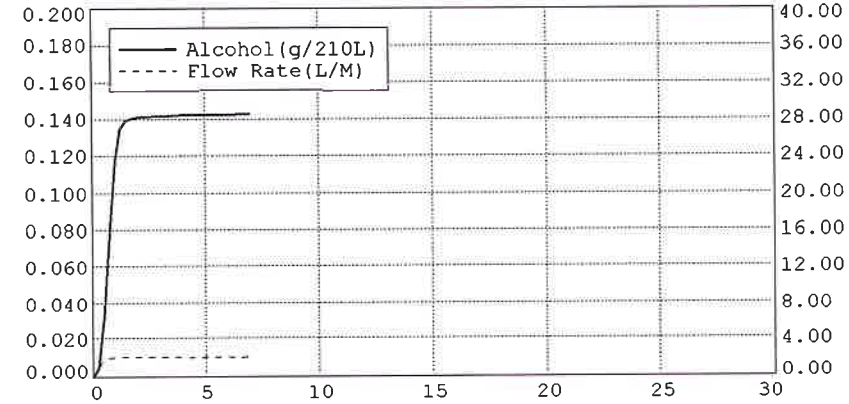
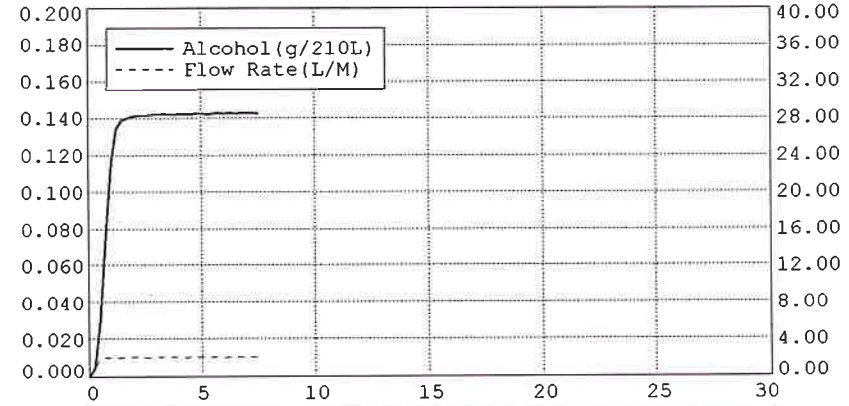
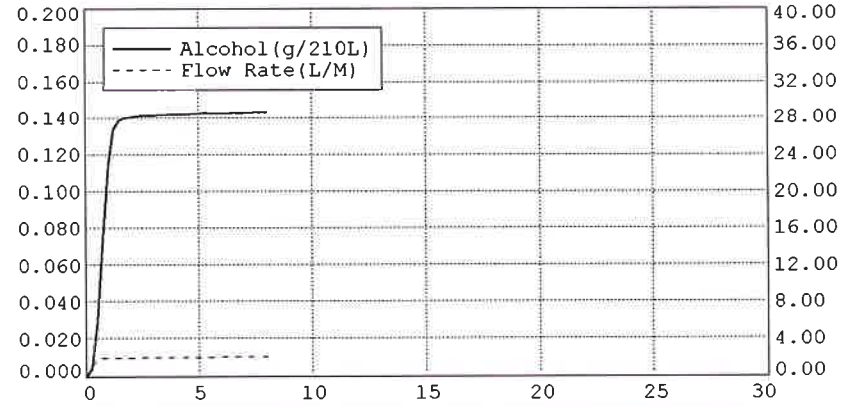
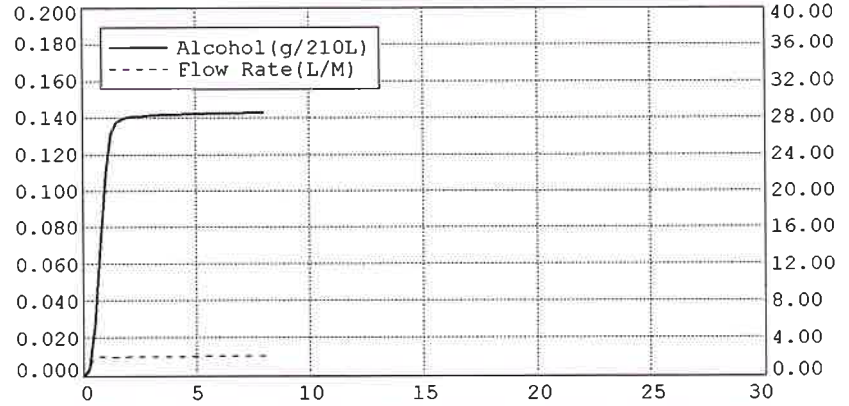
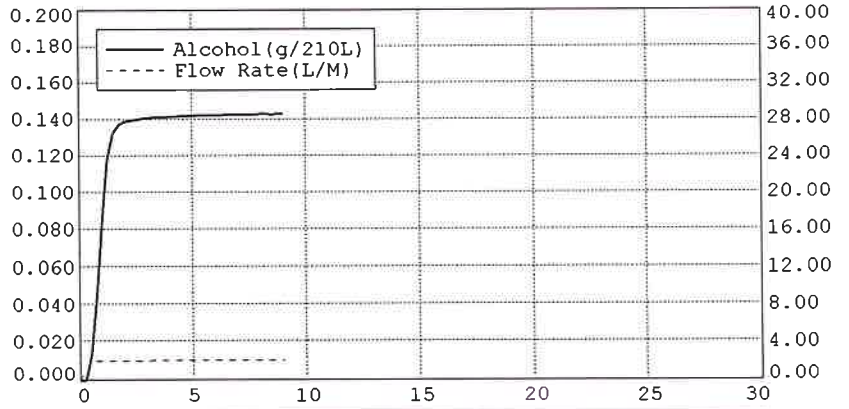
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.150
TARGET AT 28.90: 0.145
TANK PRESSURE: 710 psi

BLANK TEST	0.000	13:22
INTERNAL STANDARD	VERIFIED	13:22
EXTERNAL STANDARD	0.144	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.144	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.143	13:24
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.144	13:25
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.144	13:27
BLANK TEST	0.000	13:28

Average = 0.1438
Std Dev = 0.0004

*Lot AG332004
Exp 11/16/25
Tank 001*

COB 12/13/23



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 12/13/2023
 Time: 12:59:15

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 28.89: 0.145
 TANK PRESSURE: 764 psi

BLANK TEST	0.000	13:00
INTERNAL STANDARD	VERIFIED	13:00
EXTERNAL STANDARD	0.144	13:01
BLANK TEST	0.000	13:02
EXTERNAL STANDARD	0.144	13:02
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.143	13:03
BLANK TEST	0.000	13:04
EXTERNAL STANDARD	0.143	13:04
BLANK TEST	0.000	13:05
EXTERNAL STANDARD	0.143	13:05
BLANK TEST	0.000	13:06

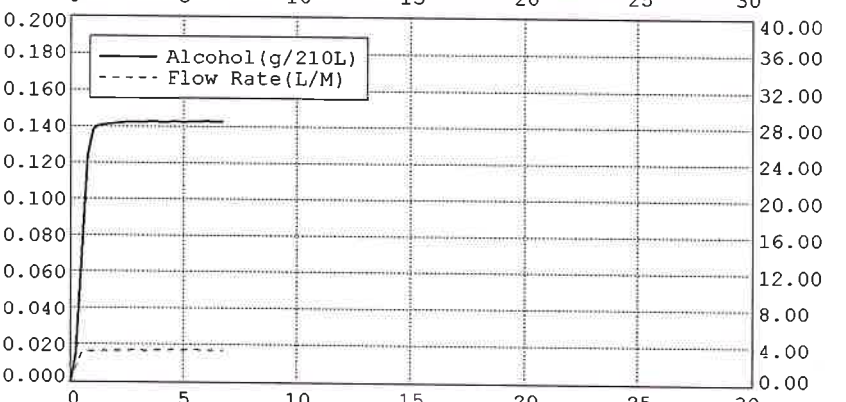
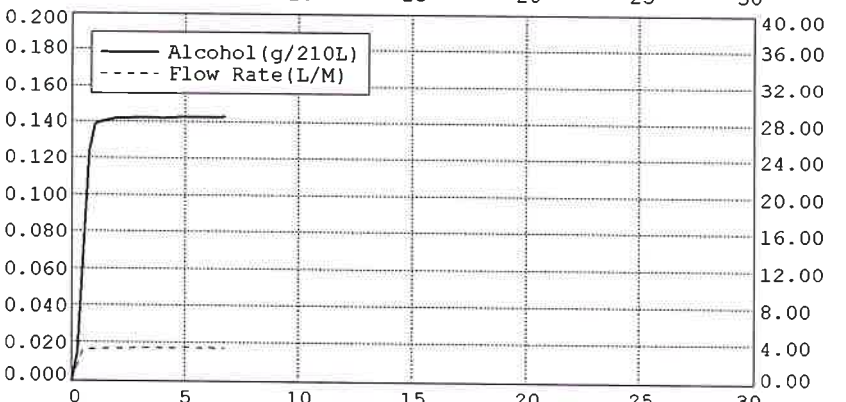
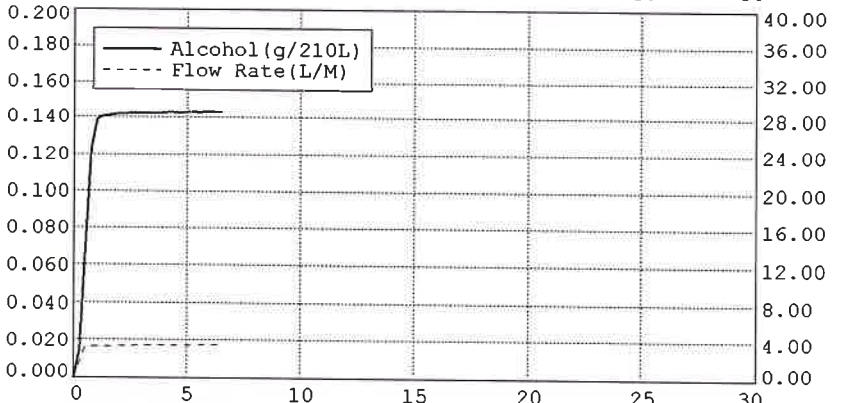
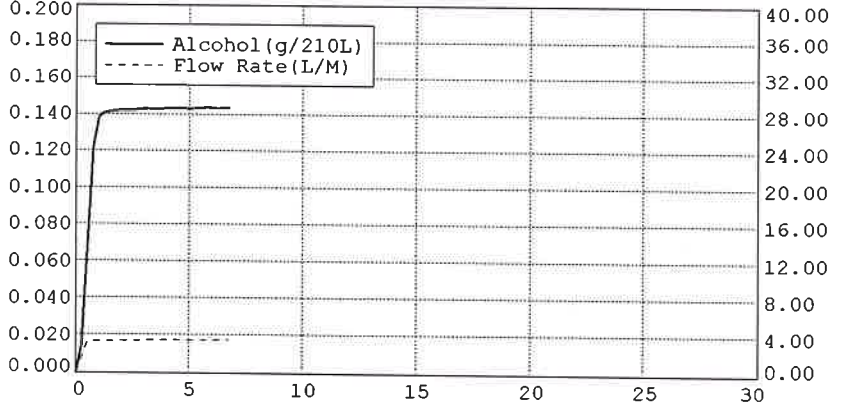
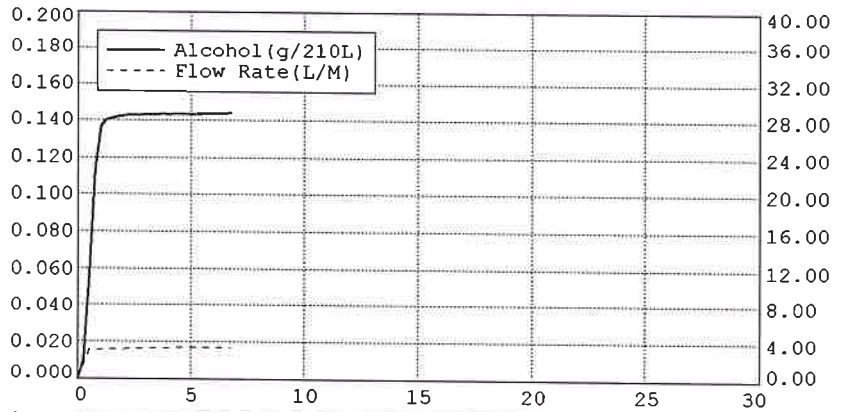
Average = 0.1434
 Std Dev = 0.0005

*Lot AG332004
 Exp 11/10/25
 Tank 002*

COB 12/13/23

Avg = 0.143

*Avg @ Std. Pressure
 = 0.148*



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 12/13/2023
 Time: 13:24:45

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

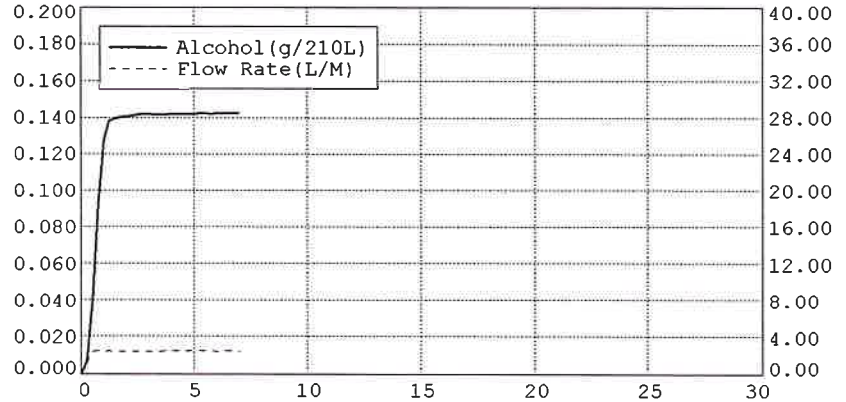
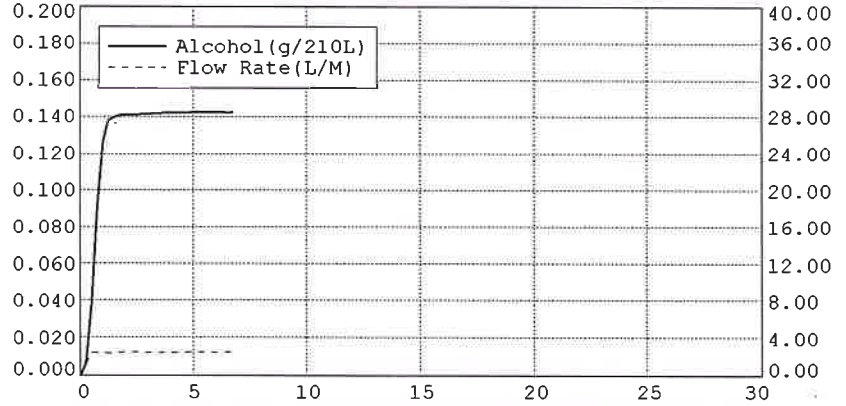
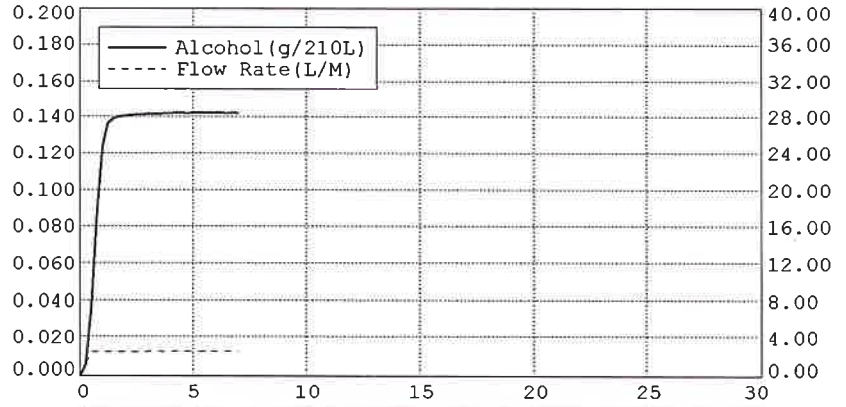
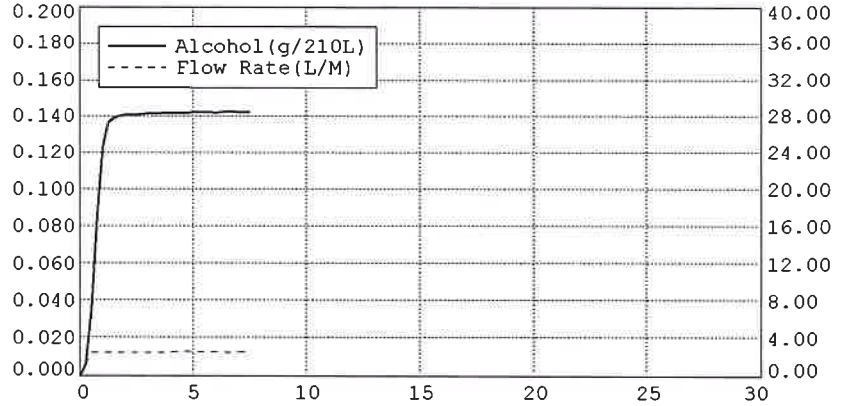
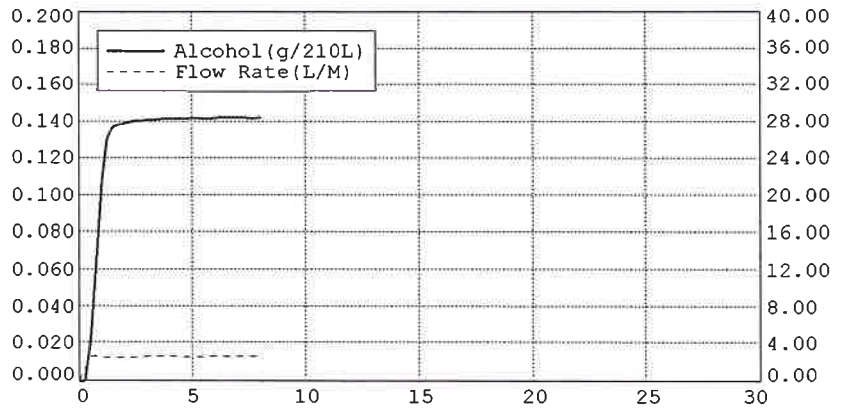
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 28.95: 0.145
 TANK PRESSURE: 733 psi

BLANK TEST	0.000	13:25
INTERNAL STANDARD	VERIFIED	13:25
EXTERNAL STANDARD	0.143	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.143	13:27
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.143	13:28
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.143	13:29
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.143	13:30
BLANK TEST	0.000	13:31

Average = 0.1430
 Std Dev = 0.0000

*Lot AG332004
 Exp 11/16/25
 Tank 002*

*COS 12/13/23
 COS 12/13/24*



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 12/13/2023
 Time: 13:32:41

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

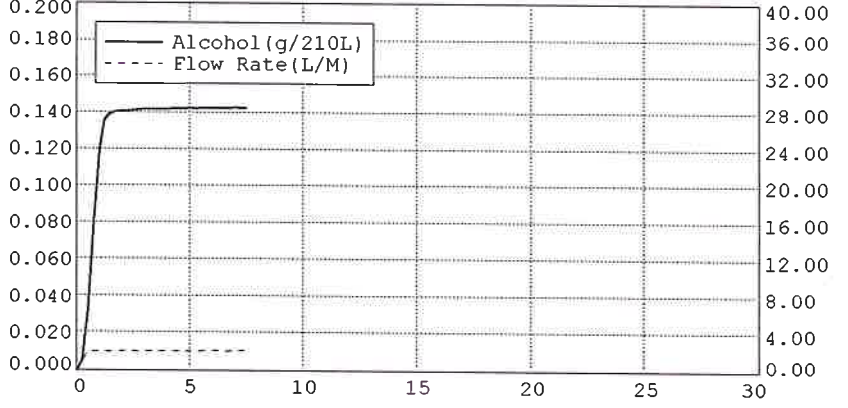
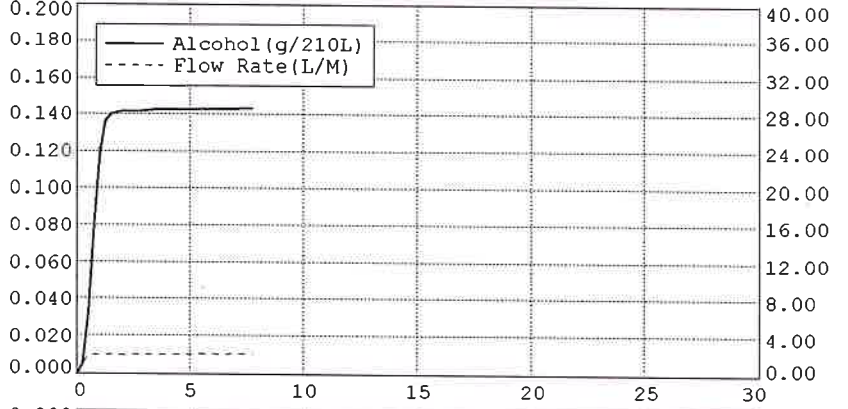
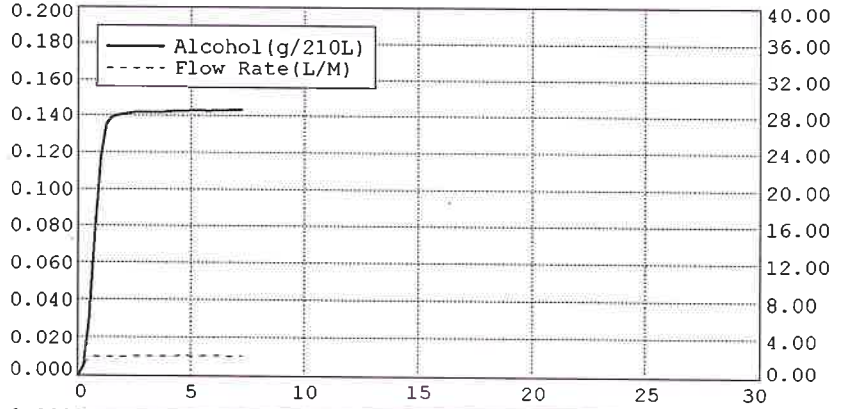
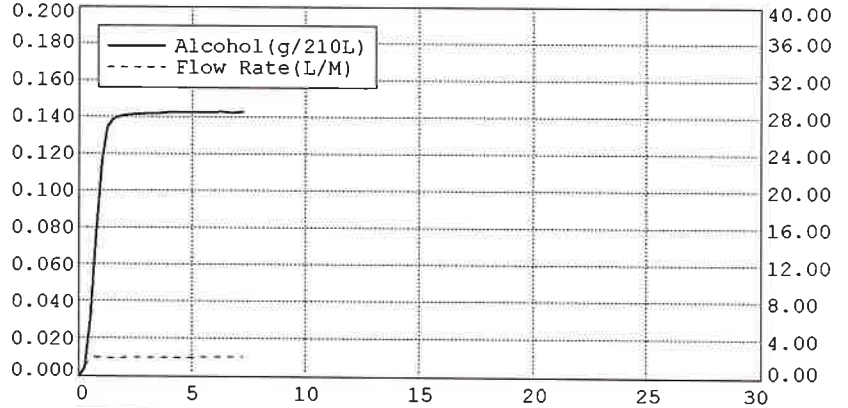
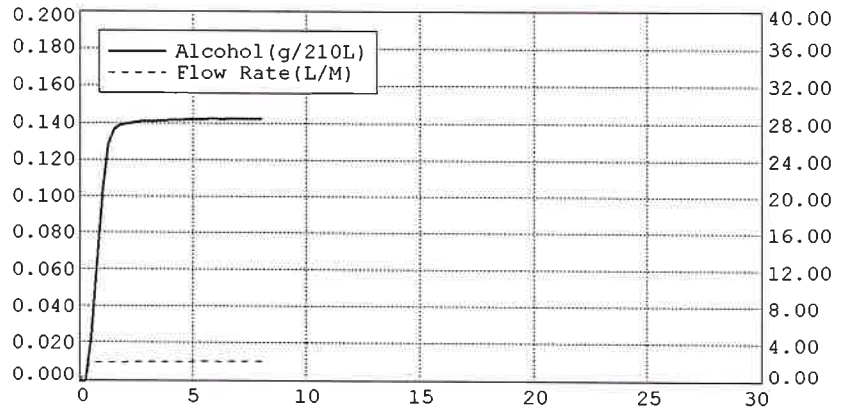
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 28.91: 0.145
 TANK PRESSURE: 719 psi

BLANK TEST	0.000	13:33
INTERNAL STANDARD	VERIFIED 0.143	13:33
EXTERNAL STANDARD	0.143	13:34
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.143	13:35
BLANK TEST	0.000	13:36
EXTERNAL STANDARD	0.144	13:36
BLANK TEST	0.000	13:37
EXTERNAL STANDARD	0.144	13:37
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.143	13:38
BLANK TEST	0.000	13:39

Average = 0.1434
 Std Dev = 0.0005

Lot AG332004
Exp 11/10/25
Tank 002

COB 12/13/23
COB 12/13/24



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 12/13/2023
 Time: 13:44:14

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 28.92: 0.145
 TANK PRESSURE: 770 psi

BLANK TEST	0.000	13:49
INTERNAL STANDARD	VERIFIED	13:49
EXTERNAL STANDARD	0.143	13:49
BLANK TEST	0.000	13:50
EXTERNAL STANDARD	0.143	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.143	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.143	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.143	13:54
BLANK TEST	0.000	13:54

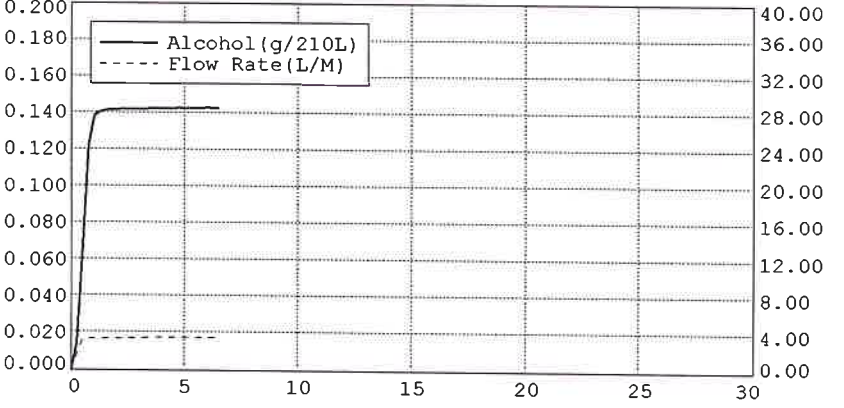
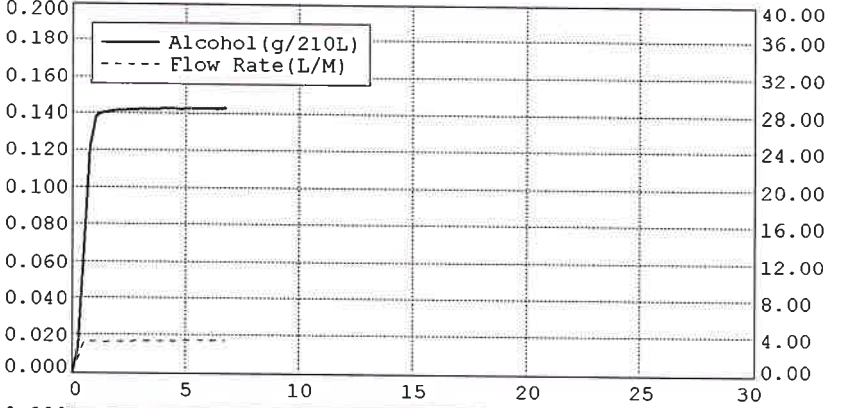
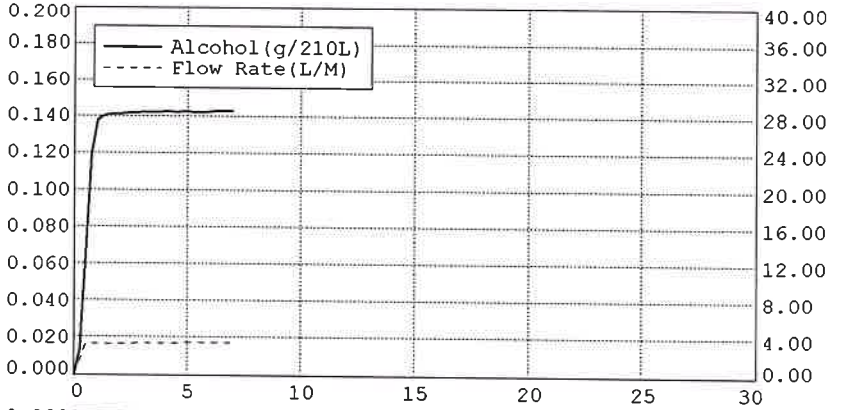
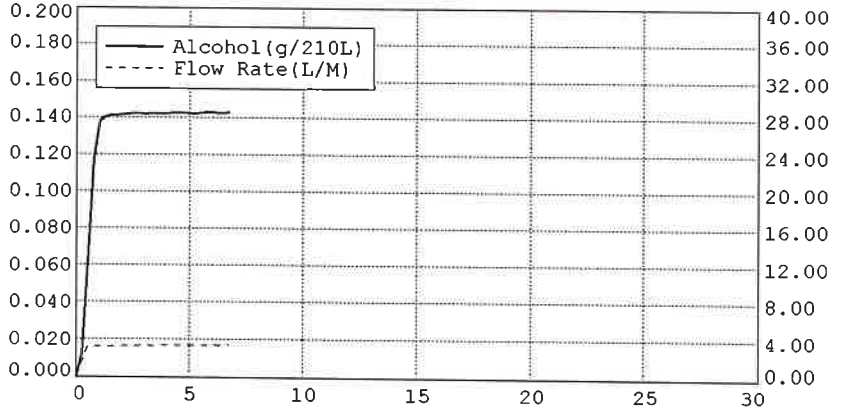
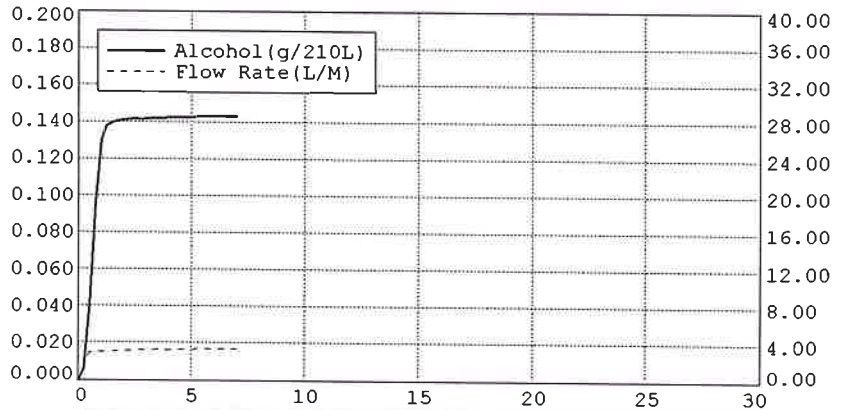
Average = 0.1430
 Std Dev = 0.0000

Lot AG332004
Exp 11/16/25
Tank 004

CAB 12/13/23
CAB 12/13/25
CAB 1/13/24

Avg = 0.143

Avg @ Std. Pressure
= 0.148



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 12/13/2023
Time: 13:35:33

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

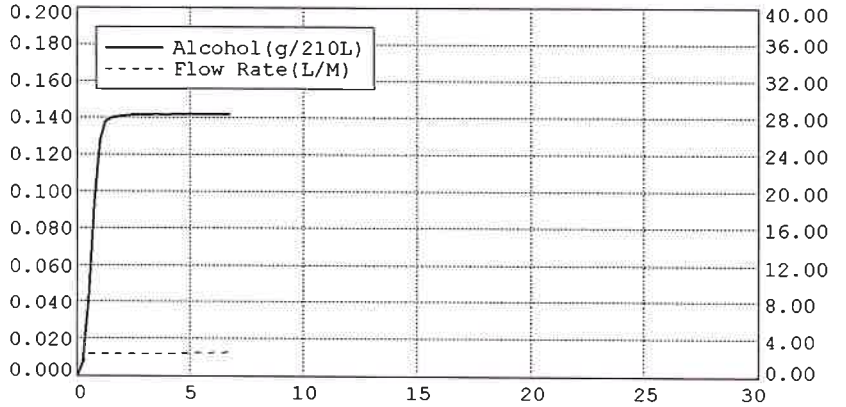
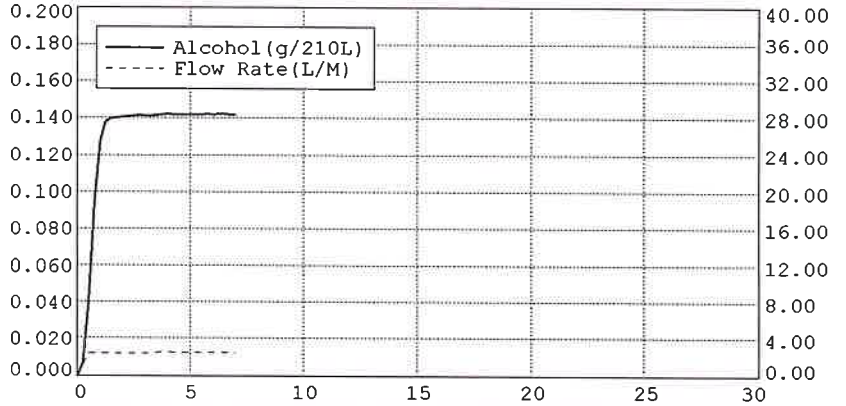
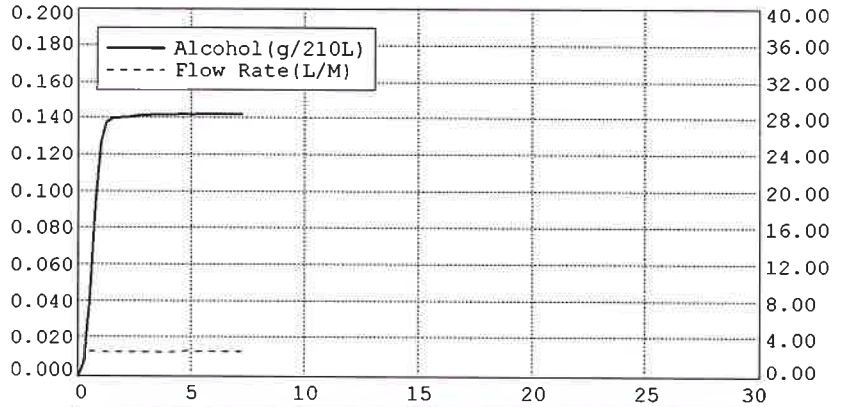
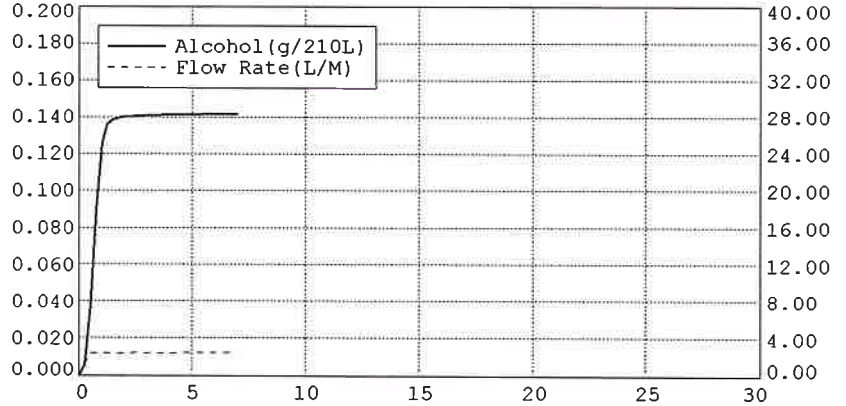
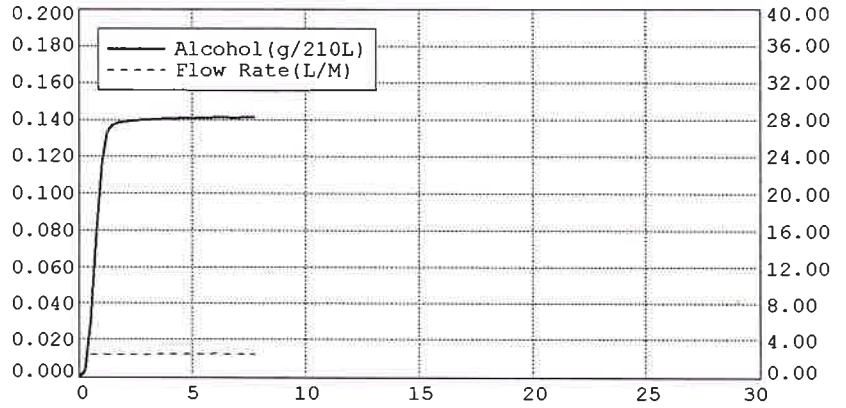
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.150
TARGET AT 28.95: 0.145
TANK PRESSURE: 732 psi

BLANK TEST	0.000	13:38
INTERNAL STANDARD	VERIFIED	13:38
EXTERNAL STANDARD	0.142	13:38
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.142	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.142	13:40
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.142	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.142	13:43
BLANK TEST	0.000	13:43

Average = 0.1420
Std Dev = 0.0000

*Lot AG332004
Exp 11/10/25
Tank 004*

*COB 12/13/23
COB 1/13/24*



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 12/13/2023
 Time: 13:41:35

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION

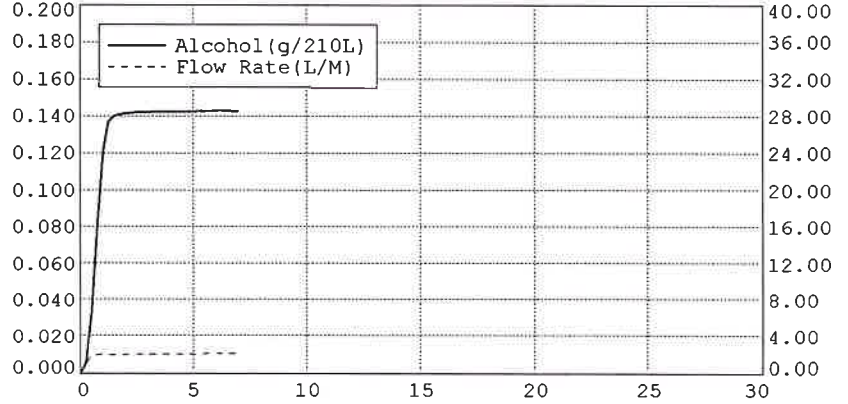
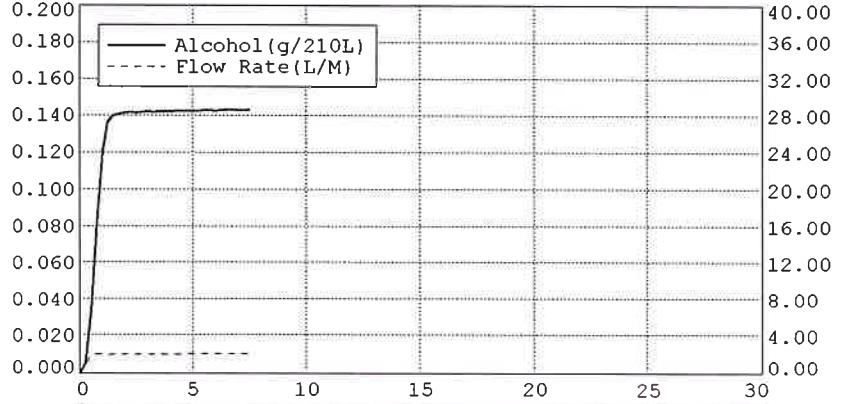
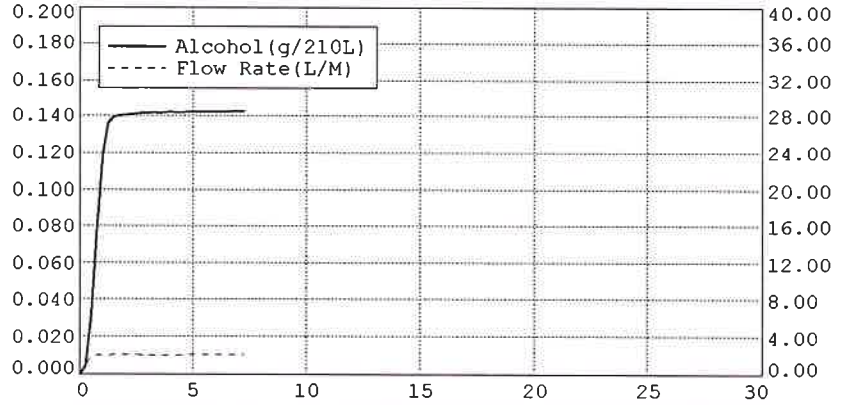
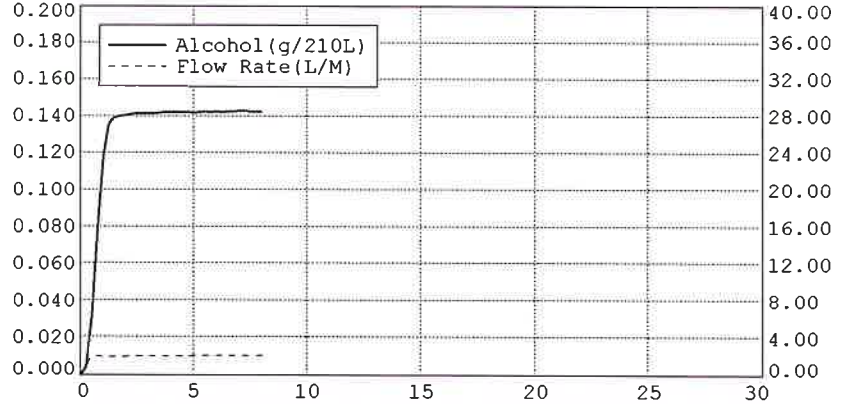
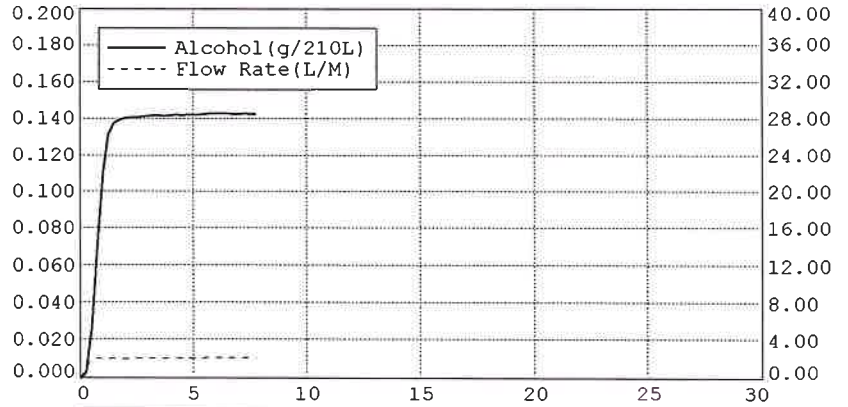
NOMINAL: 0.150
 TARGET AT 28.91: 0.145
 TANK PRESSURE: 725 psi

BLANK TEST	0.000	13:43
INTERNAL STANDARD	VERIFIED	13:43
EXTERNAL STANDARD	0.143	13:44
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.143	13:45
BLANK TEST	0.000	13:46
EXTERNAL STANDARD	0.143	13:46
BLANK TEST	0.000	13:47
EXTERNAL STANDARD	0.143	13:47
BLANK TEST	0.000	13:48
EXTERNAL STANDARD	0.144	13:48
BLANK TEST	0.000	13:49

Average = 0.1432
 Std Dev = 0.0004

*Lot AG332004
 Exp 11/16/25
 Tank 004*

*COB 12/13/23
 COB 12/13/23
 COB 12/13/23*



DIAGNOSTIC RECORD

In House QA
100375, 100397, 100399

Completed on 2023.12.13 by COB

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 12/13/2023
Time: 11:19:54

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.57 V PASSED
(0.92 V - 2.16 V)
Cooler Voltage = 1.57 V PASSED
(0.92 V - 2.16 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 540 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 28.9 in

PUMP INFO

Flow Rate = 3.835 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 0.29% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100375

Date: 12/13/2023
Time: 11:26 AM

Temperatures (°C)

Sample Cell: 48.7°C
Breath Tube: 48.1°C

Current Barometer 28.9 in
Volume (Ltr) 0.00

Settings

Lamp: 1.54 V
Bias: 80 V
Cooler: 1.57 V
Chopper: 539 Hz

Voltages (V)

Flow: 1.05 V
Detector: -0.010 V

LINEARITY CHECK

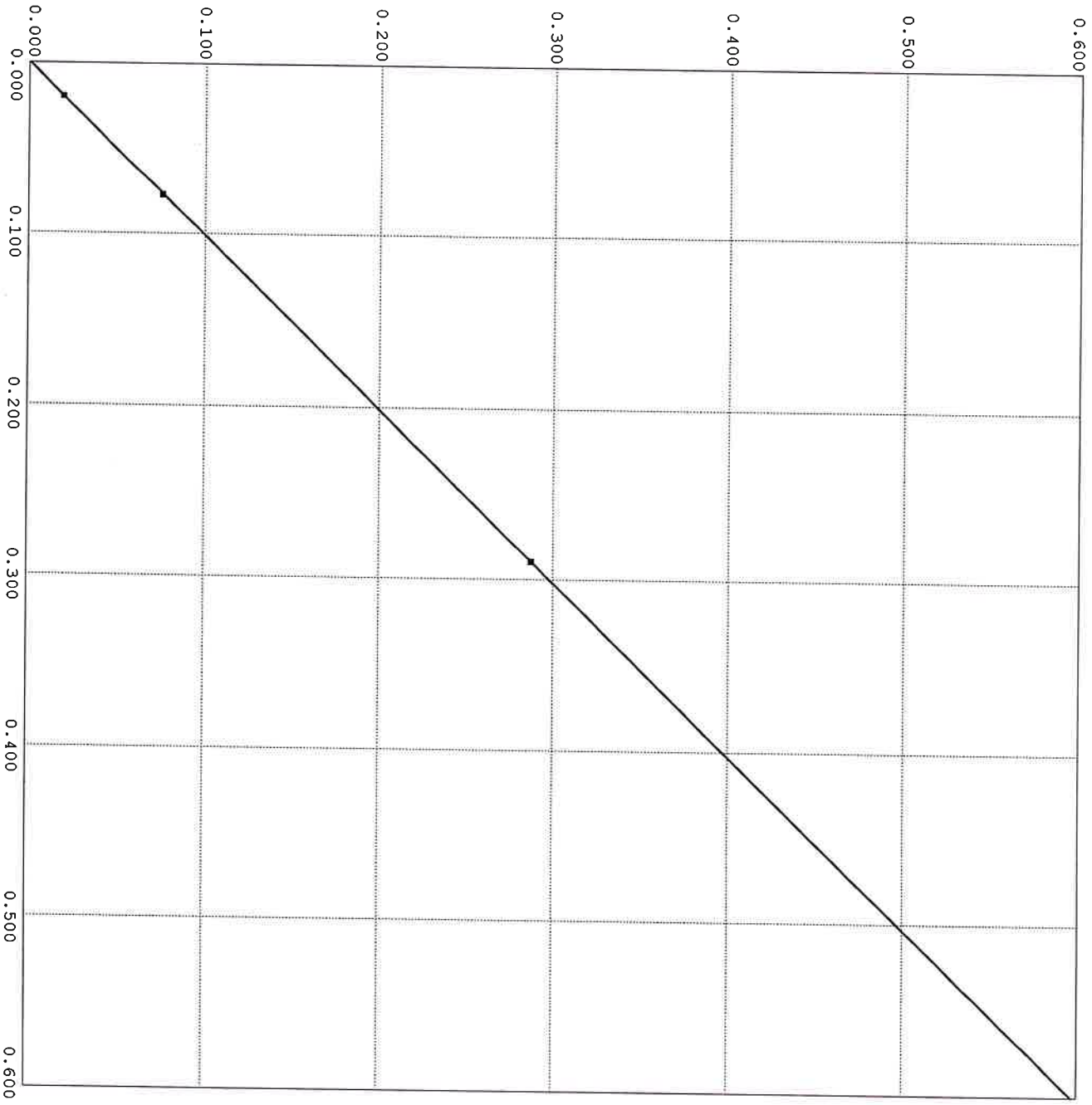
Alaska Department of Public Safety
DATAMASTER dmt : 100375

Date: 12/13/2023
Time: 11:31:03

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.077	0.0768	0.0004
0.289	0.2882	0.0004

SLOPE = 0.994367
R² = 0.999990



CVB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

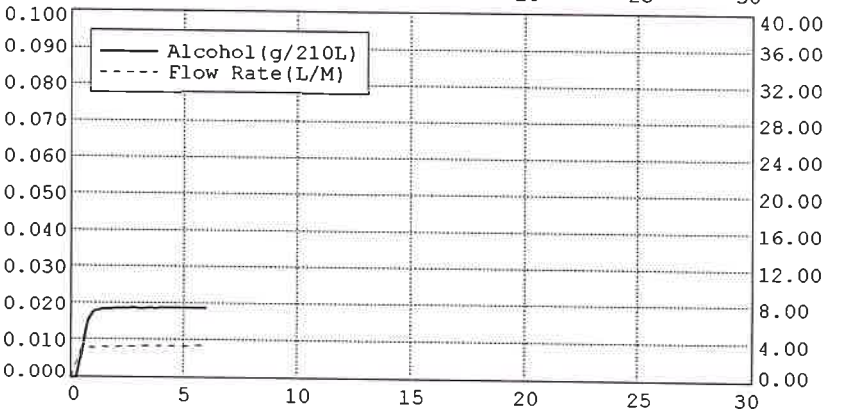
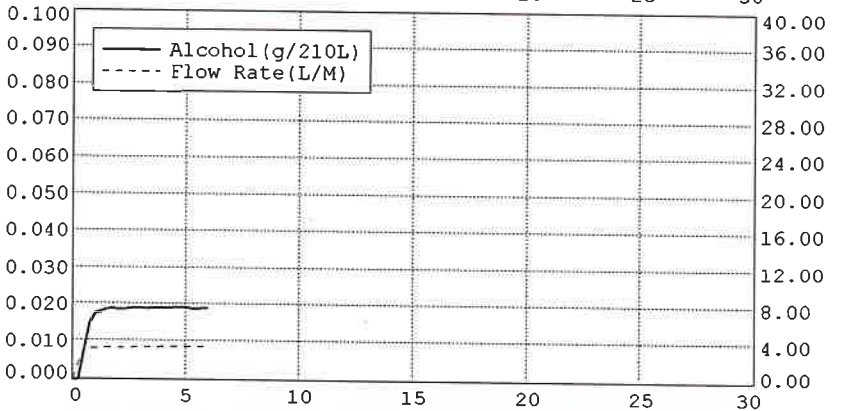
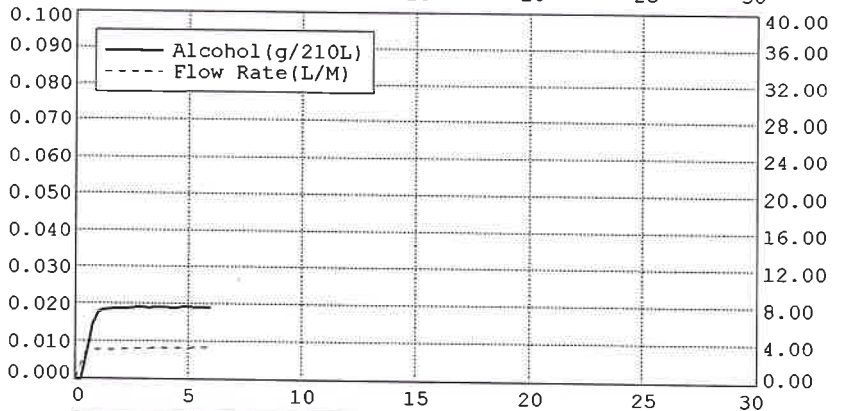
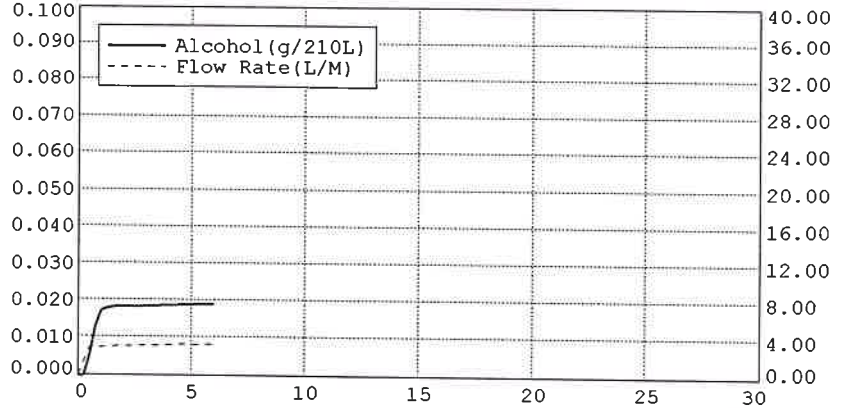
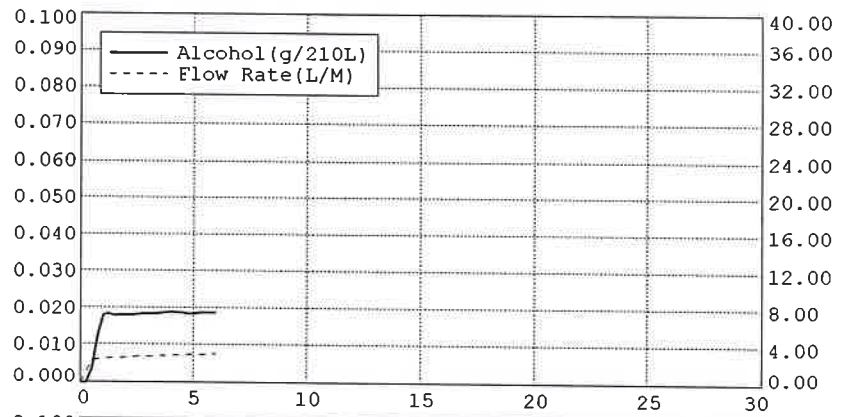
Date: 12/13/2023
 Time: 11:31:05

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 28.86: 0.019
 LOT #: AG217902
 EXPIRATION: 06/28/2024
 TANK PRESSURE: 668 psi

BLANK TEST	0.000	11:32
INTERNAL STANDARD	VERIFIED	11:32
EXTERNAL STANDARD	0.020	11:32
BLANK TEST	0.000	11:33
EXTERNAL STANDARD	0.020	11:33
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.020	11:34
BLANK TEST	0.000	11:35
EXTERNAL STANDARD	0.020	11:35
BLANK TEST	0.000	11:36
EXTERNAL STANDARD	0.020	11:37
BLANK TEST	0.000	11:37

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

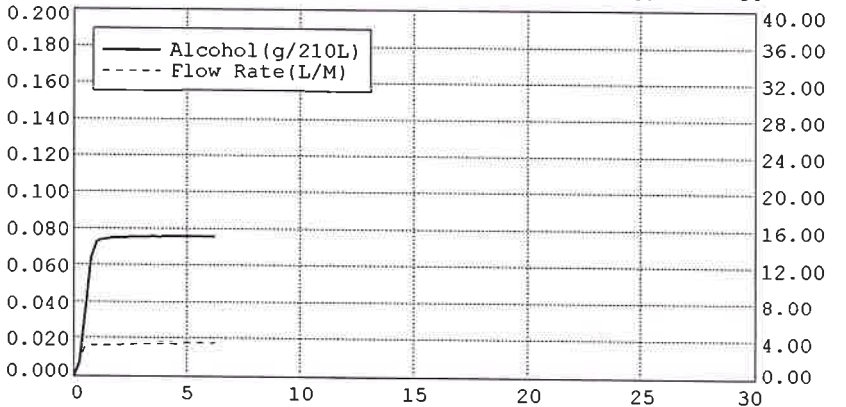
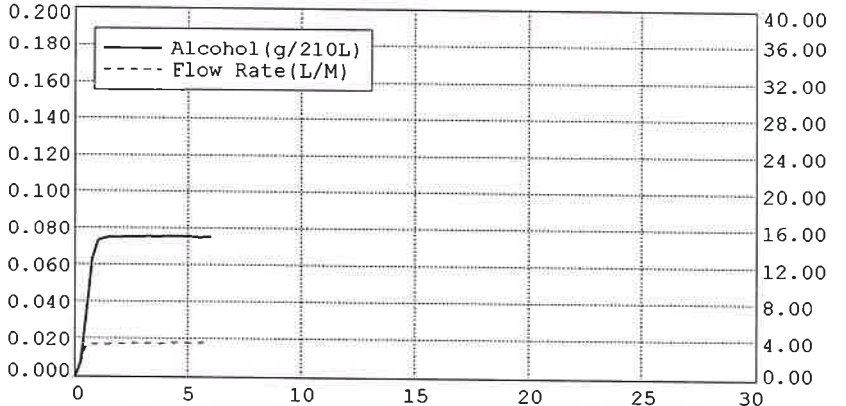
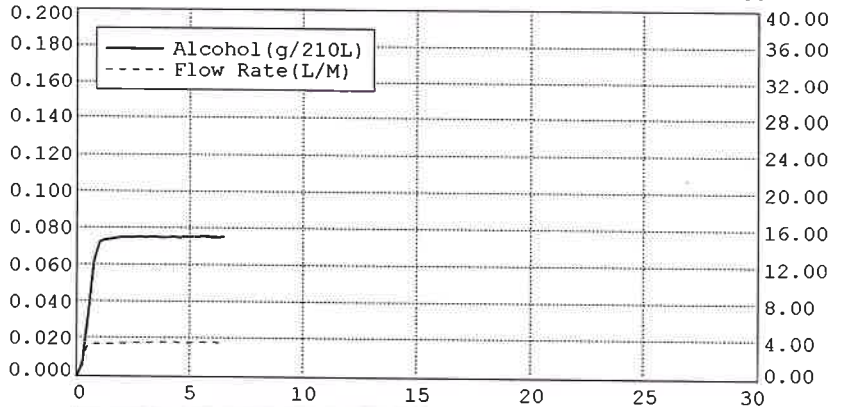
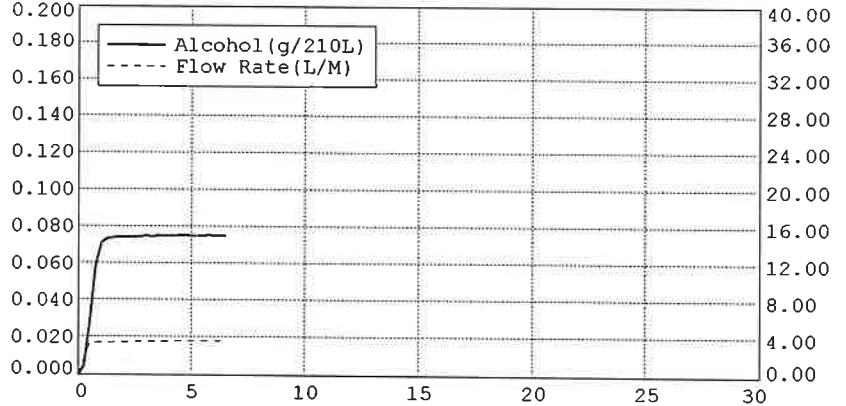
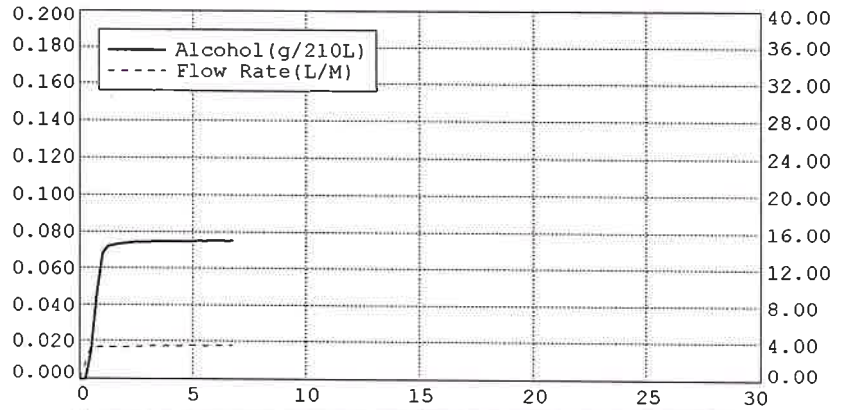
Date: 12/13/2023
 Time: 11:40:34

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 28.86: 0.077
 LOT #: AG135004
 EXPIRATION: 12/16/2023
 TANK PRESSURE: 854 psi

BLANK TEST	0.000	11:41
INTERNAL STANDARD	VERIFIED	11:41
EXTERNAL STANDARD	0.077	11:42
BLANK TEST	0.000	11:42
EXTERNAL STANDARD	0.076	11:43
BLANK TEST	0.000	11:44
EXTERNAL STANDARD	0.077	11:44
BLANK TEST	0.000	11:45
EXTERNAL STANDARD	0.077	11:45
BLANK TEST	0.000	11:46
EXTERNAL STANDARD	0.077	11:46
BLANK TEST	0.000	11:47

Average = 0.0768
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100375

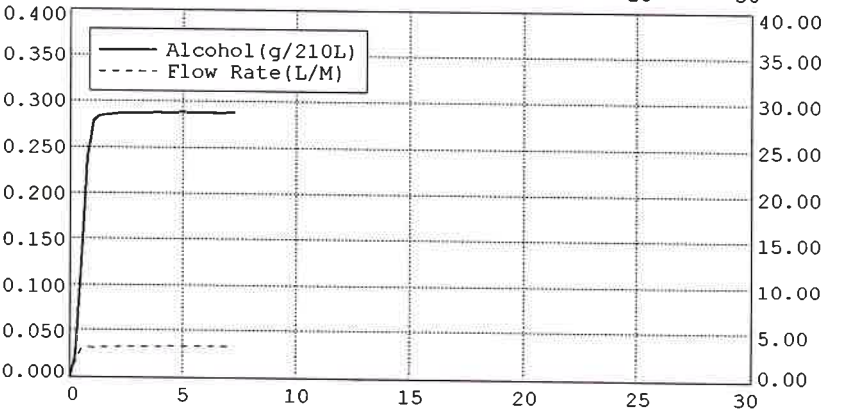
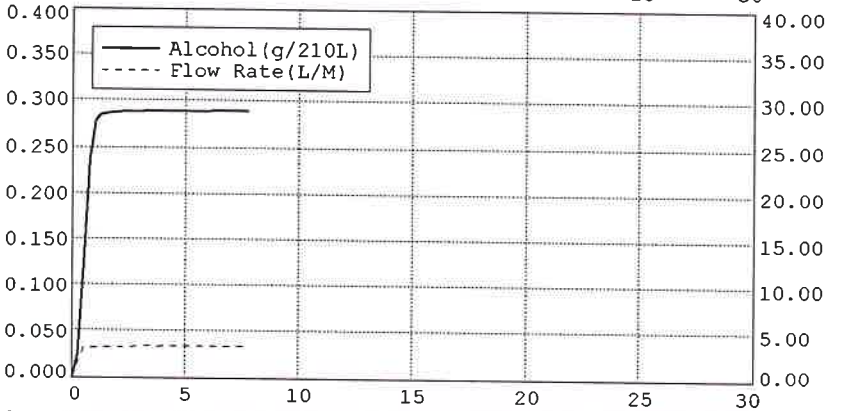
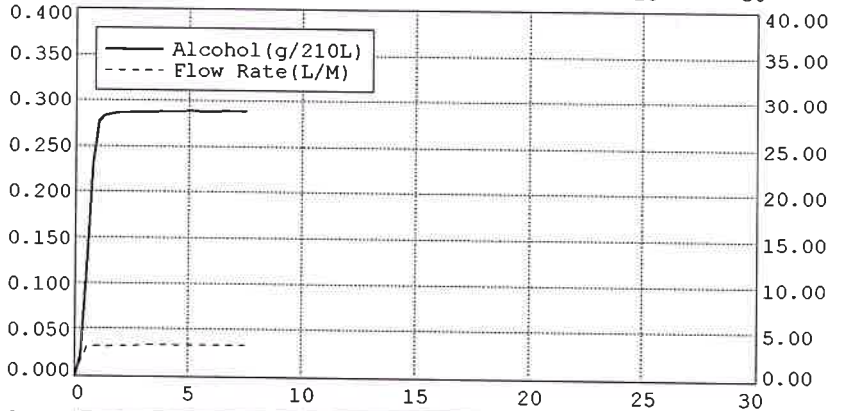
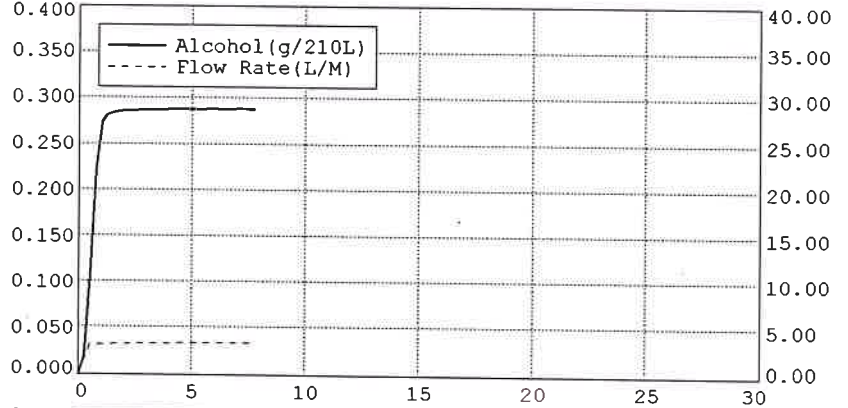
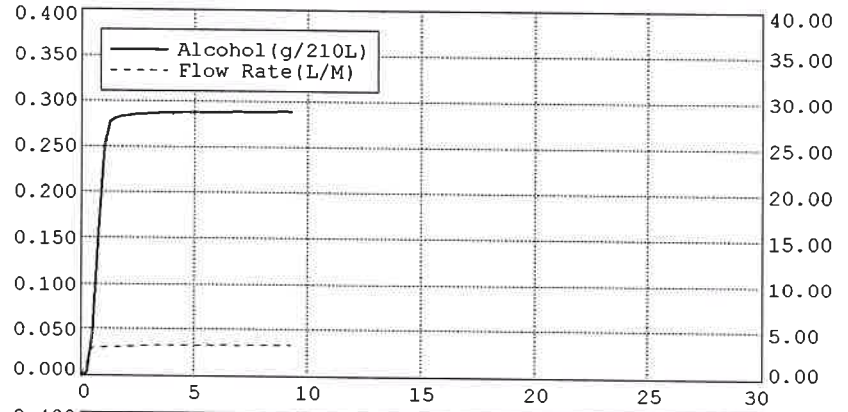
Date: 12/13/2023
Time: 11:49:58

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 28.86: 0.289
LOT #: AG327804
EXPIRATION: 10/05/2025
TANK PRESSURE: 502 psi

BLANK TEST	0.000	11:51
INTERNAL STANDARD	VERIFIED	11:51
EXTERNAL STANDARD	0.288	11:51
BLANK TEST	0.000	11:52
EXTERNAL STANDARD	0.288	11:52
BLANK TEST	0.000	11:53
EXTERNAL STANDARD	0.288	11:53
BLANK TEST	0.000	11:54
EXTERNAL STANDARD	0.289	11:54
BLANK TEST	0.000	11:55
EXTERNAL STANDARD	0.288	11:55
BLANK TEST	0.000	11:56

Average = 0.2882
Std Dev = 0.0004



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 12/13/2023
Time: 11:01:05

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.80 V PASSED
(1.01 V - 2.37 V)
Cooler Voltage = 1.61 V PASSED
(1.04 V - 2.44 V)
Bias Voltage = 81 V PASSED
(49 V - 113 V)
Chopper Freq = 529 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 28.9 in

PUMP INFO

Flow Rate = 4.050 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 = 0.093 1.02% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100397

Date: 12/13/2023
Time: 11:07 AM

Temperatures (°C)

Sample Cell: 48.7°C
Breath Tube: 48.1°C

Current Barometer 28.9 in
Volume (Ltr) 0.00

Settings

Lamp: 1.80 V
Bias: 81 V
Cooler: 1.61 V
Chopper: 527 Hz

Voltages (V)

Flow: 1.05 V
Detector: -0.048 V

LINEARITY CHECK

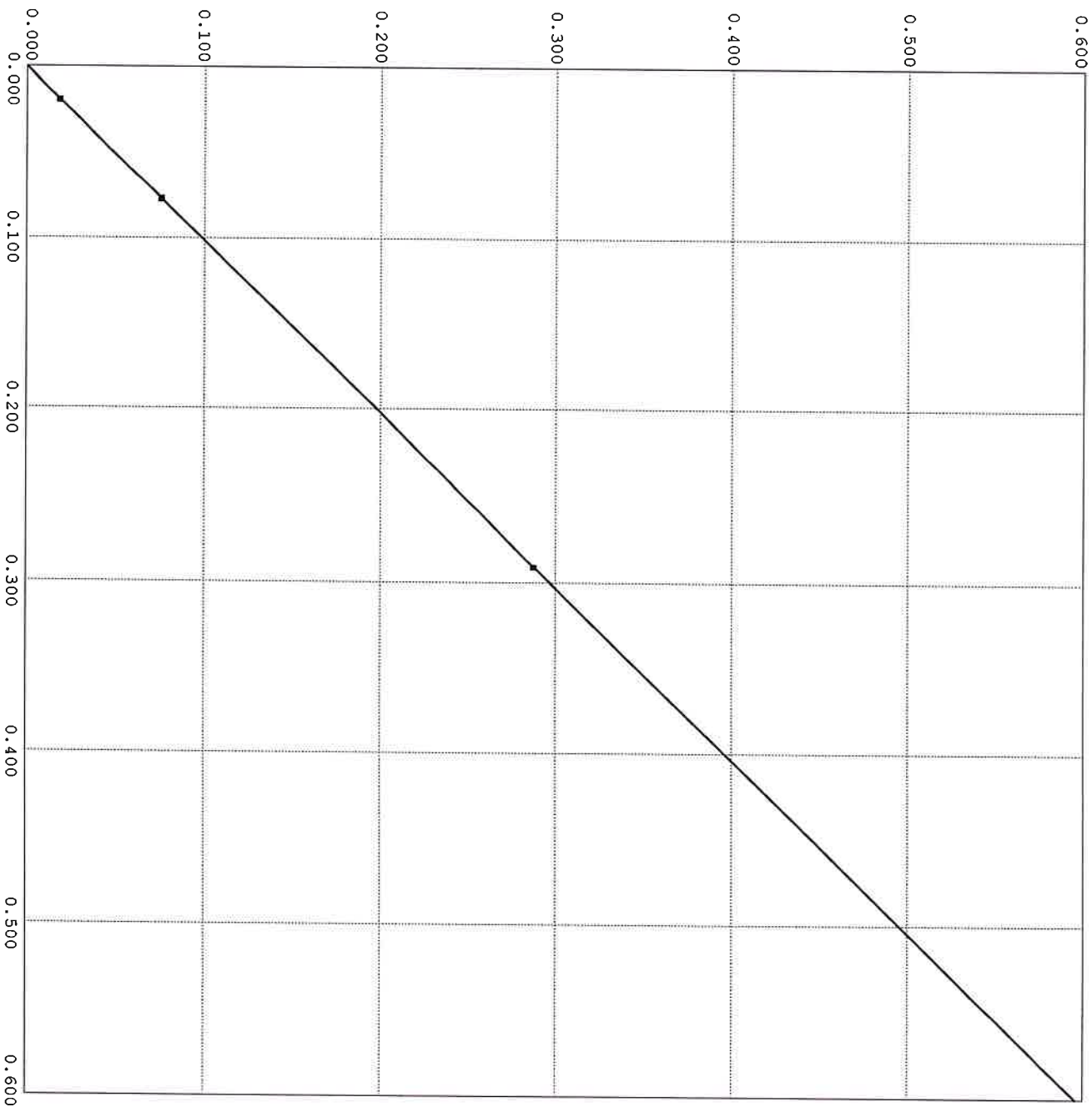
Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 12/13/2023
Time: 11:13:20

SUPERVISOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.019	0.0190	0.0000
0.077	0.0766	0.0005
0.290	0.2882	0.0004

SLOPE = 0.993377
R² = 1.000000



CDB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100397

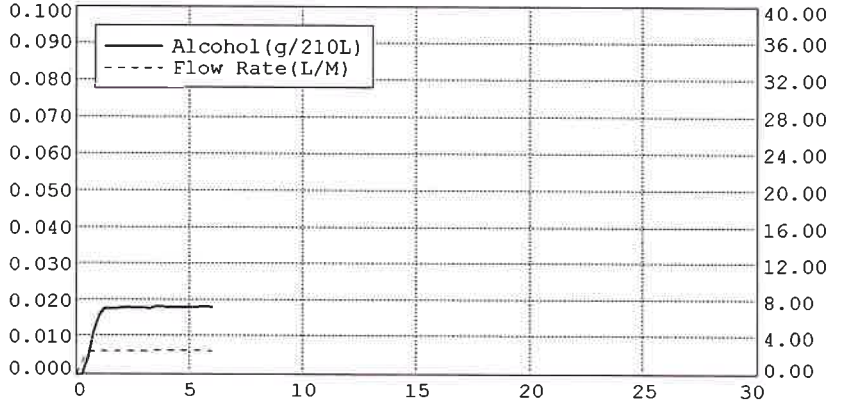
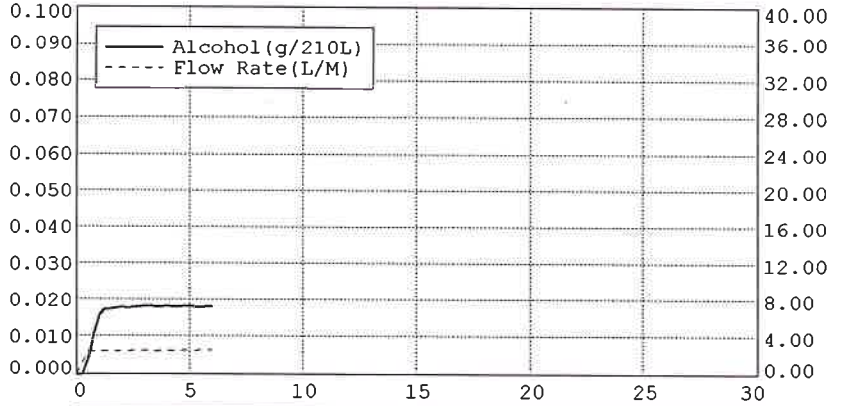
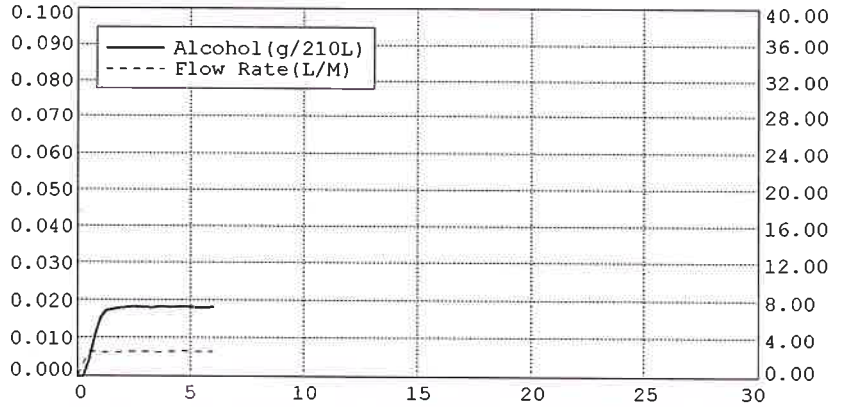
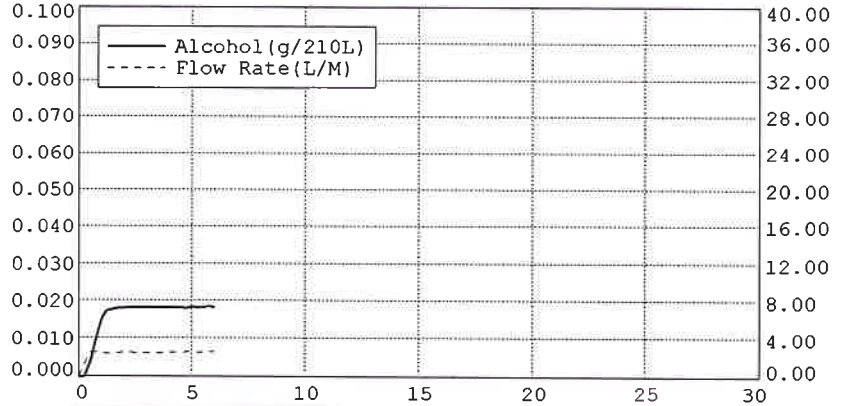
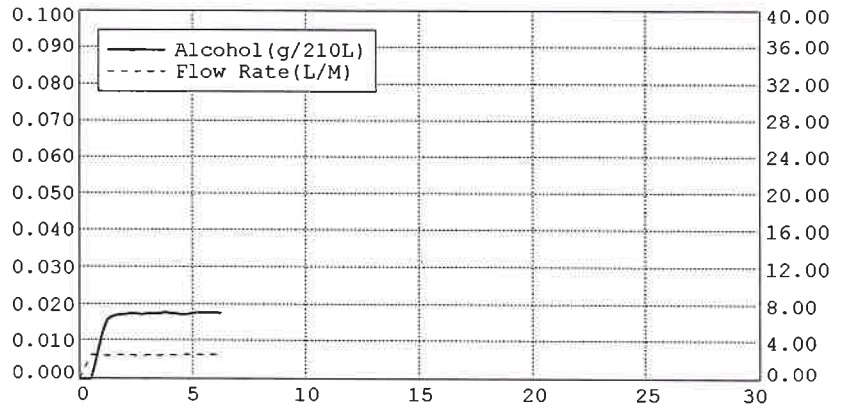
Date: 12/13/2023
Time: 11:13:22

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 28.88: 0.019
LOT #: AG217902
EXPIRATION: 06/28/2024
TANK PRESSURE: 638 psi

BLANK TEST	0.000	11:22
INTERNAL STANDARD	VERIFIED	11:23
EXTERNAL STANDARD	0.019	11:23
BLANK TEST	0.000	11:24
EXTERNAL STANDARD	0.019	11:24
BLANK TEST	0.000	11:25
EXTERNAL STANDARD	0.019	11:25
BLANK TEST	0.000	11:26
EXTERNAL STANDARD	0.019	11:26
BLANK TEST	0.000	11:27
EXTERNAL STANDARD	0.019	11:27
BLANK TEST	0.000	11:28

Average = 0.0190
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100397

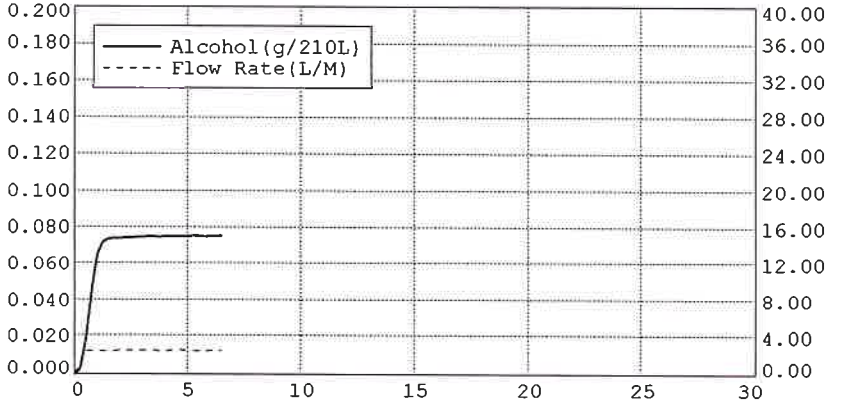
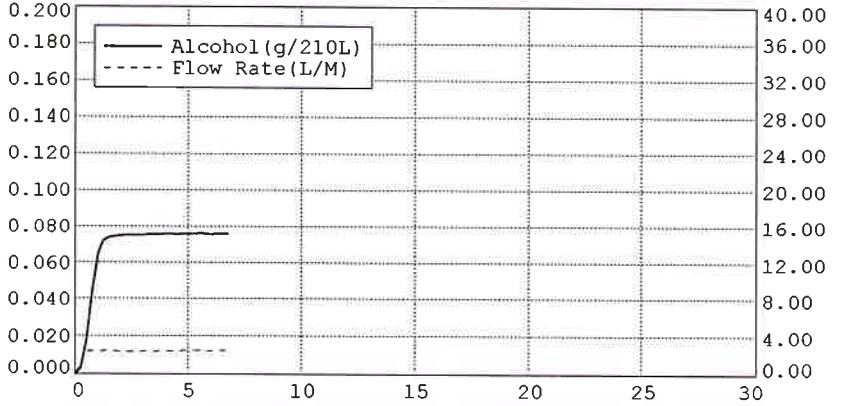
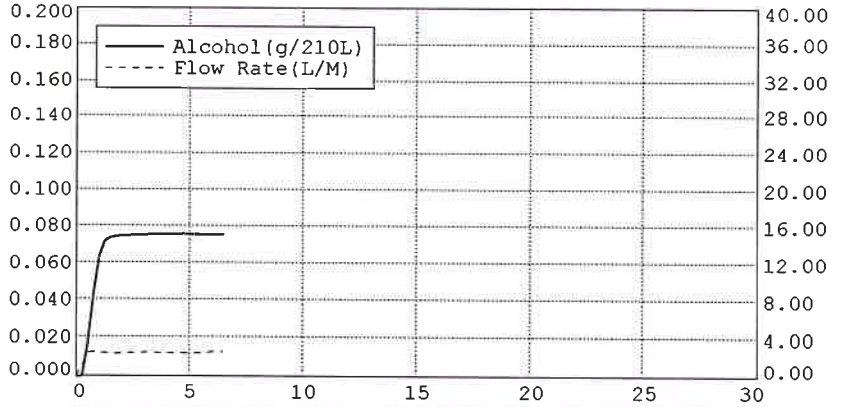
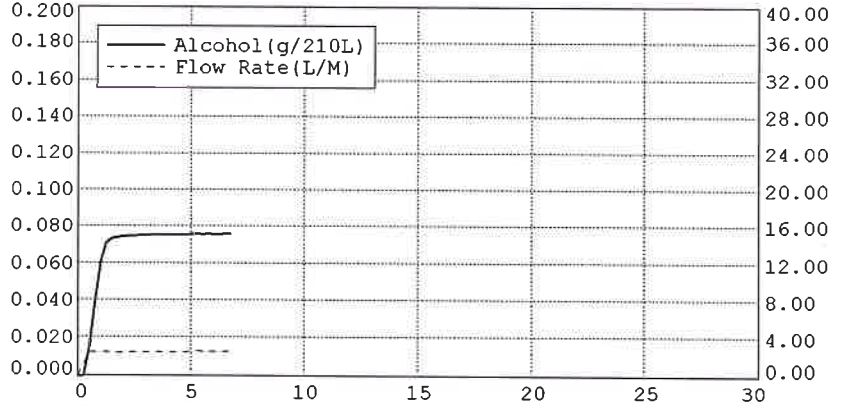
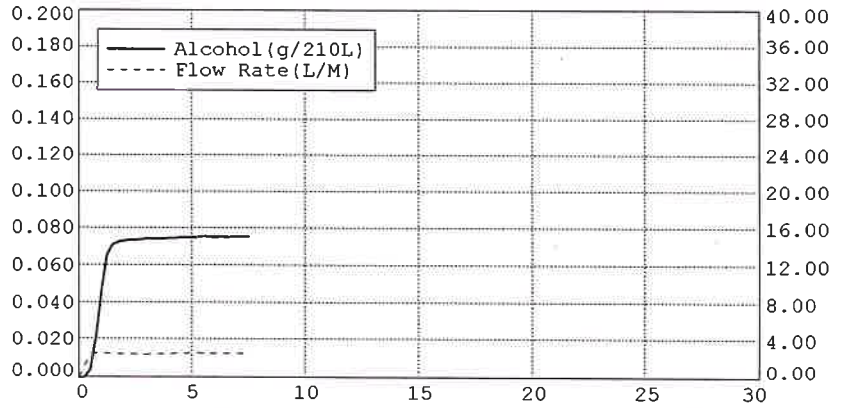
Date: 12/13/2023
Time: 11:28:55

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 28.88: 0.077
LOT #: AG135004
EXPIRATION: 12/16/2023
TANK PRESSURE: 545 psi

BLANK TEST	0.000	11:30
INTERNAL STANDARD	VERIFIED	11:30
EXTERNAL STANDARD	0.076	11:30
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.077	11:31
BLANK TEST	0.000	11:32
EXTERNAL STANDARD	0.076	11:32
BLANK TEST	0.000	11:33
EXTERNAL STANDARD	0.077	11:34
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.077	11:35
BLANK TEST	0.000	11:36

Average = 0.0766
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

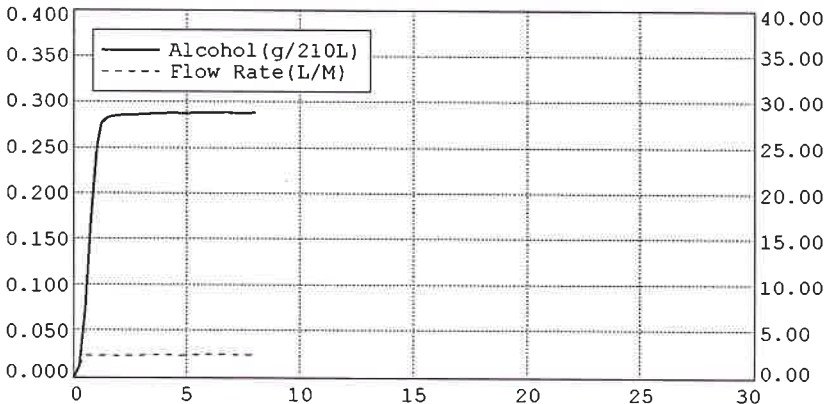
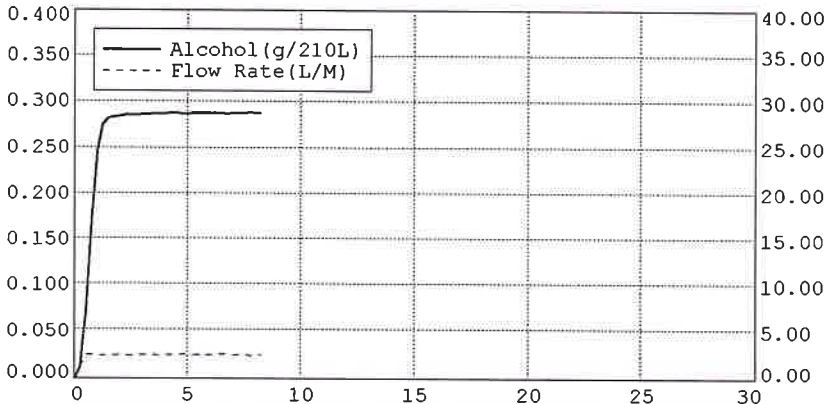
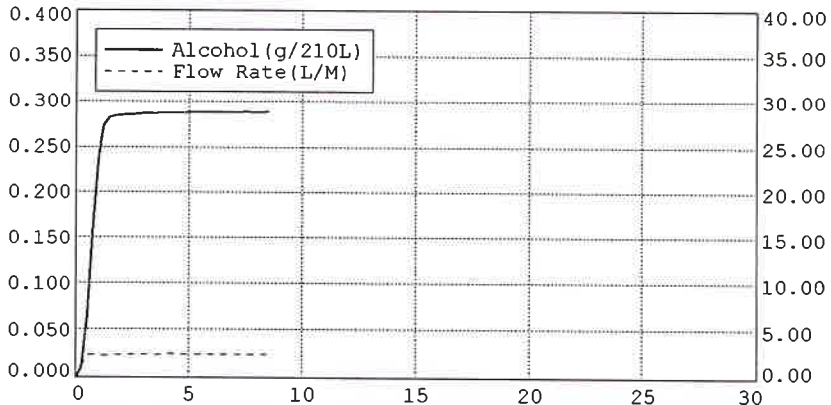
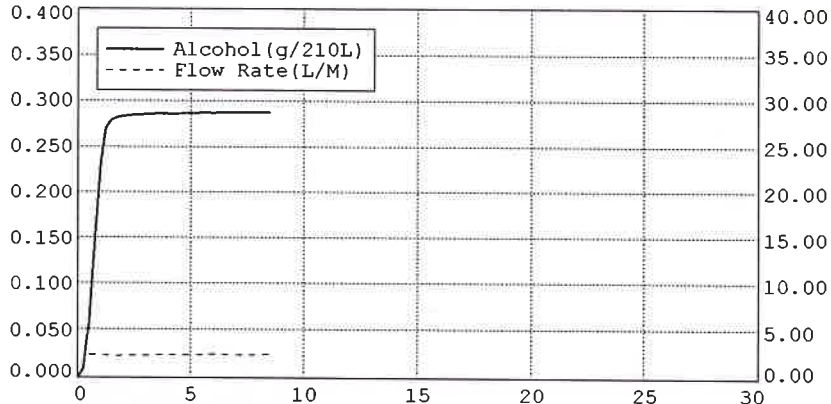
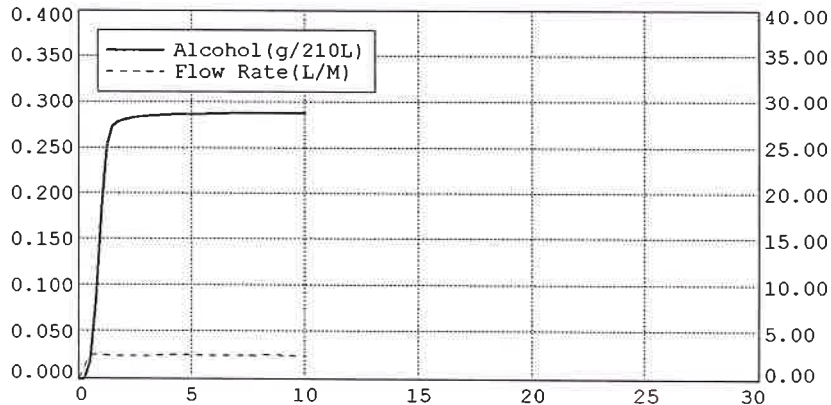
Date: 12/13/2023
 Time: 11:41:09

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 28.90: 0.290
 LOT #: AG327804
 EXPIRATION: 10/05/2025
 TANK PRESSURE: 461 psi

BLANK TEST	0.000	11:42
INTERNAL STANDARD	VERIFIED	11:42
EXTERNAL STANDARD	0.288	11:42
BLANK TEST	0.000	11:43
EXTERNAL STANDARD	0.288	11:43
BLANK TEST	0.000	11:44
EXTERNAL STANDARD	0.289	11:45
BLANK TEST	0.000	11:45
EXTERNAL STANDARD	0.288	11:46
BLANK TEST	0.000	11:47
EXTERNAL STANDARD	0.288	11:47
BLANK TEST	0.000	11:48

Average = 0.2882
 Std Dev = 0.0004



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 12/13/2023
Time: 10:58:47

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 = 1.79 V PASSED
(1.00 V - 2.32 V)
Cooler Voltage = 1.60 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 = 28.9 in

PUMP INFO

Flow Rate = 4.489 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 = 0.084 0.10% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100399

Date: 12/13/2023

Time: 11:05 AM

Temperatures (°C)

Sample Cell: 48.7°C
Breath Tube: 48.1°C

Current Barometer 28.9 in
Volume (Ltr) 0.00

Settings

Lamp: 1.79 V
Bias: 81 V
Cooler: 1.58 V
Chopper: 524 Hz

Voltages (V)

Flow: 1.06 V
Detector: -0.019 V

LINEARITY CHECK

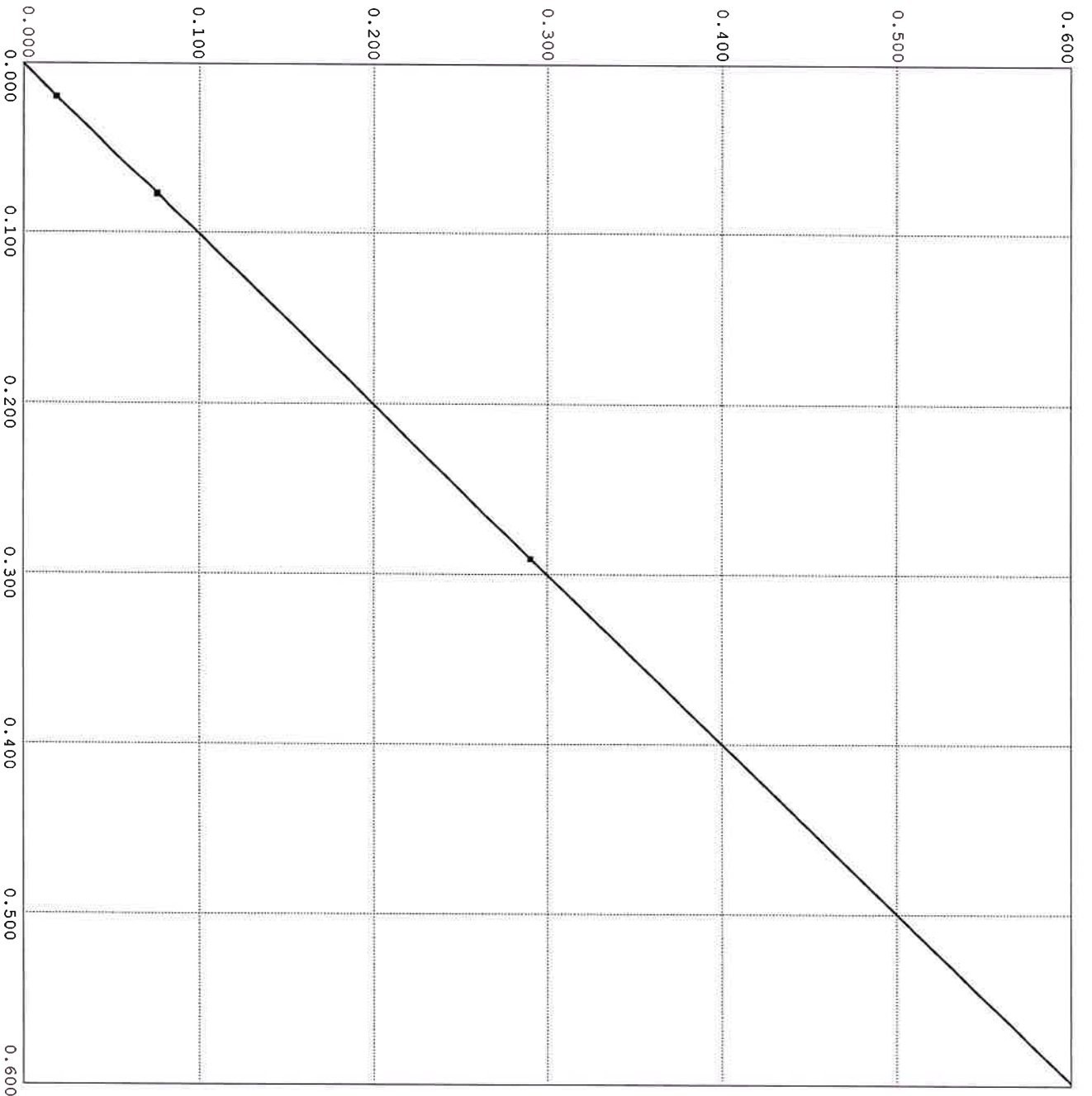
Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 12/13/2023
Time: 11:11:42

SUPERVISOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.019	0.0192	0.0004
0.077	0.0770	0.0000
0.290	0.2910	0.0000

SLOPE = 1.003423
R² = 0.999998



OK

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

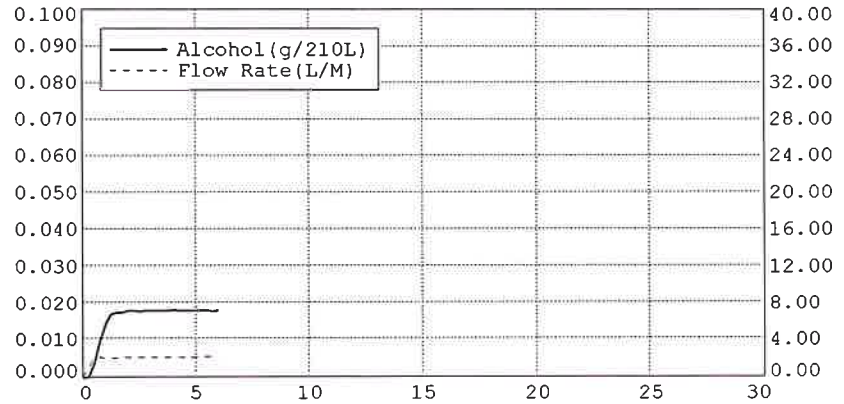
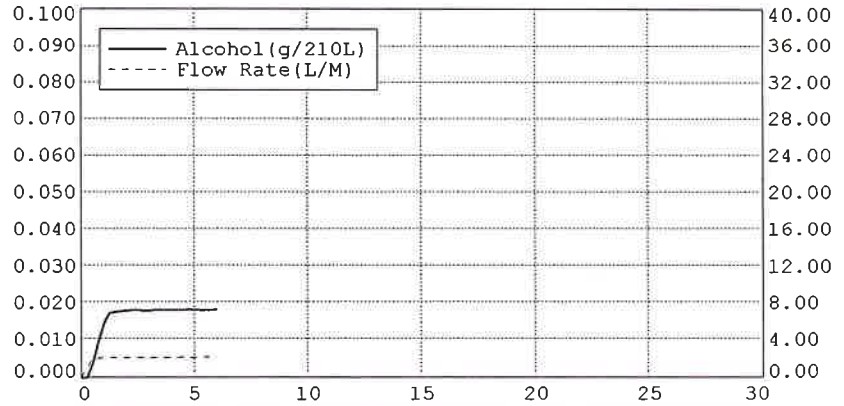
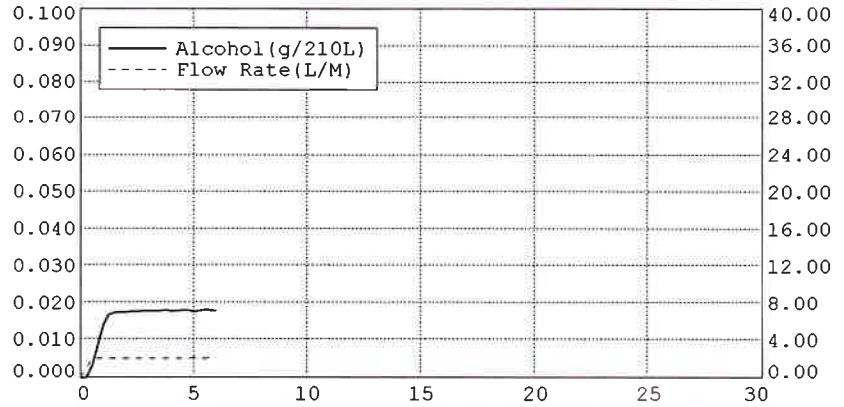
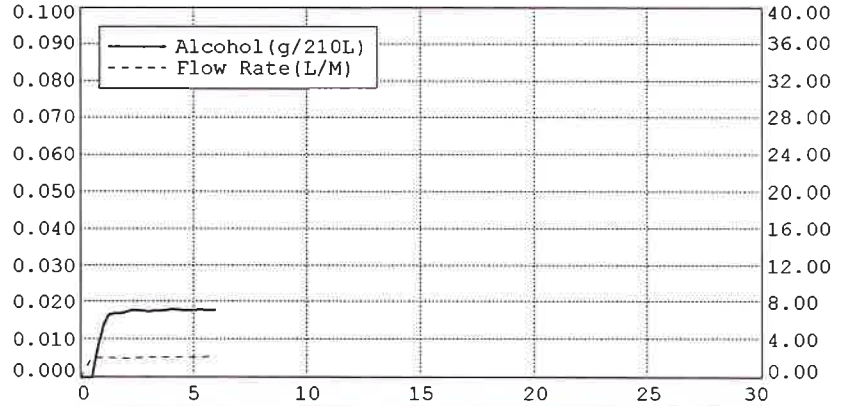
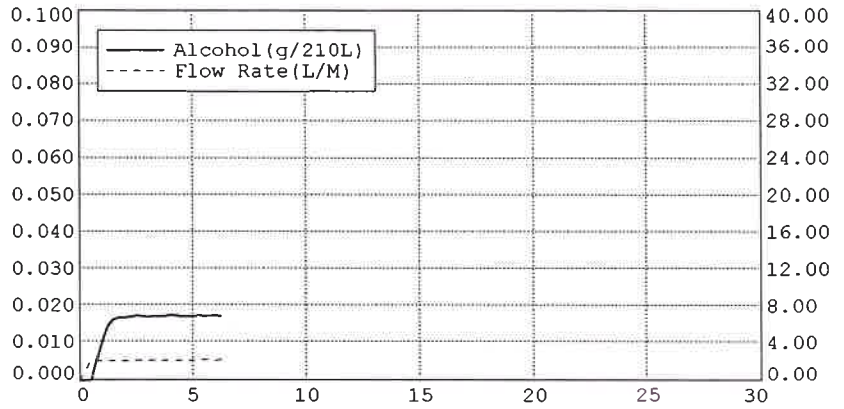
Date: 12/13/2023
 Time: 11:11:44

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 28.87: 0.019
 LOT #: AG217902
 EXPIRATION: 06/28/2024
 TANK PRESSURE: 634 psi

BLANK TEST	0.000	11:27
INTERNAL STANDARD	VERIFIED	11:27
EXTERNAL STANDARD	0.019	11:28
BLANK TEST	0.000	11:29
EXTERNAL STANDARD	0.019	11:29
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.019	11:30
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.020	11:31
BLANK TEST	0.000	11:32
EXTERNAL STANDARD	0.019	11:32
BLANK TEST	0.000	11:33

Average = 0.0192
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

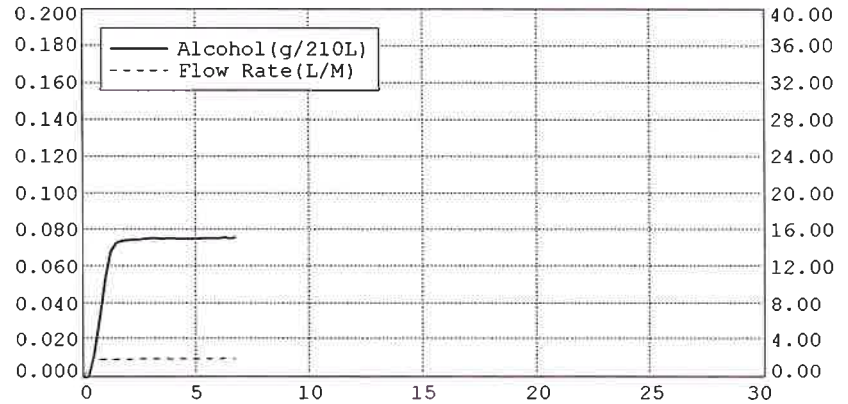
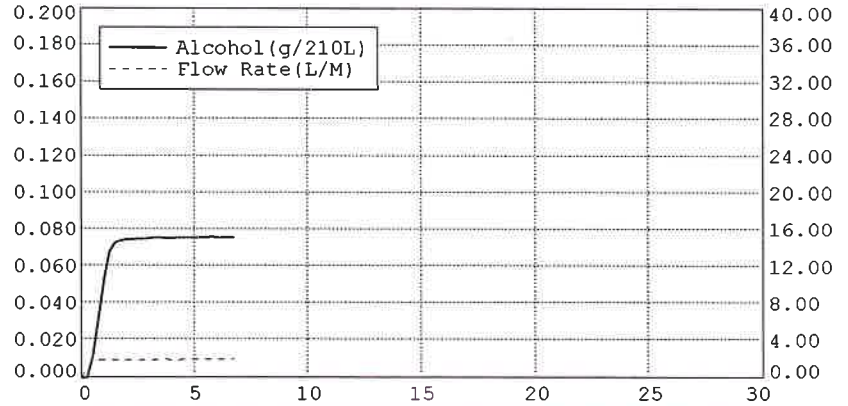
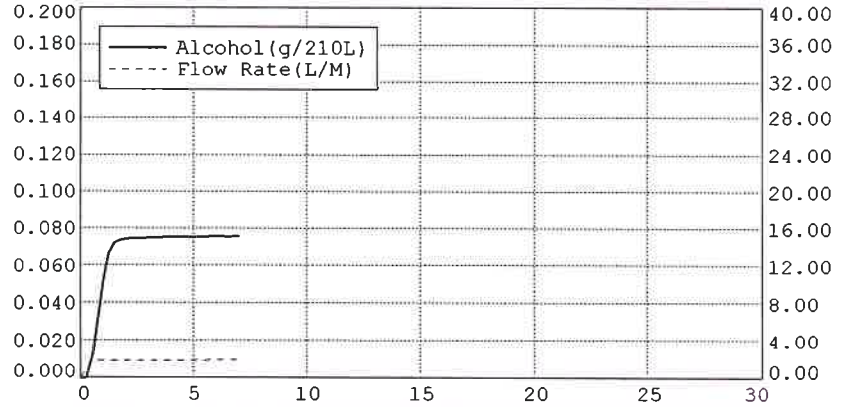
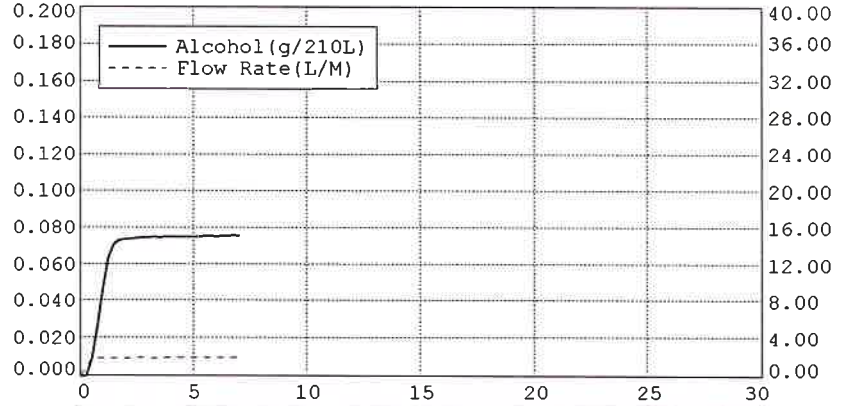
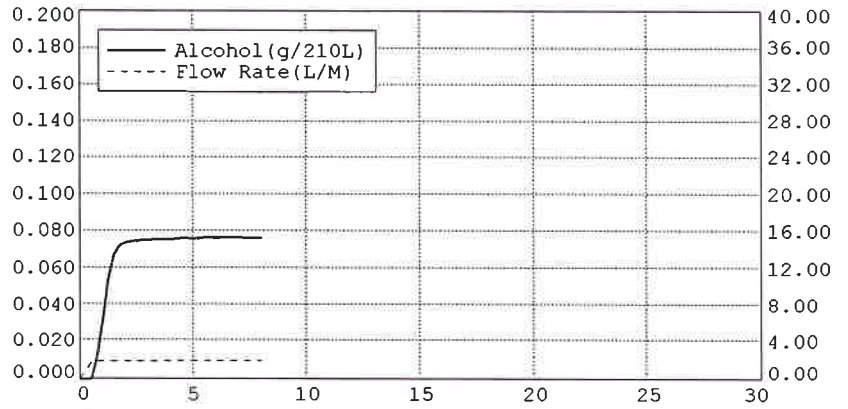
Date: 12/13/2023
 Time: 11:39:30

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 28.87: 0.077
 LOT #: AG310901
 EXPIRATION: 04/19/2025
 TANK PRESSURE: 329 psi

BLANK TEST	0.000	11:40
INTERNAL STANDARD	VERIFIED	11:40
EXTERNAL STANDARD	0.077	11:41
BLANK TEST	0.000	11:41
EXTERNAL STANDARD	0.077	11:42
BLANK TEST	0.000	11:43
EXTERNAL STANDARD	0.077	11:43
BLANK TEST	0.000	11:44
EXTERNAL STANDARD	0.077	11:44
BLANK TEST	0.000	11:45
EXTERNAL STANDARD	0.077	11:45
BLANK TEST	0.000	11:46

Average = 0.0770
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 12/13/2023
 Time: 11:47:15

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 28.87: 0.290
 LOT #: AG327804
 EXPIRATION: 10/05/2025
 TANK PRESSURE: 446 psi

BLANK TEST	0.000	11:48
INTERNAL STANDARD	VERIFIED	11:48
EXTERNAL STANDARD	0.291	11:48
BLANK TEST	0.000	11:49
EXTERNAL STANDARD	0.291	11:50
BLANK TEST	0.000	11:51
EXTERNAL STANDARD	0.291	11:51
BLANK TEST	0.000	11:52
EXTERNAL STANDARD	0.291	11:52
BLANK TEST	0.000	11:53
EXTERNAL STANDARD	0.291	11:53
BLANK TEST	0.000	11:54

Average = 0.2910
 Std Dev = 0.0000

