



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: 20-Apr-2023

Lot # AG310901 **Model** 108

Exp Date	Cyl. Type	Component	Certified Concentration
19-Apr-2025	108	Ethanol Nitrogen	0.080 ± 0.002 BrAC (208 ppm)

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

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010562	104.2 ppm
EB0010561	103.7 ppm	EB0010579	52.94 ppm
EB0010681	52.22 ppm		

CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC727481	800.0 ppm	CC727493	390.0 ppm
CC727496	253.0 ppm	CC727498	150.0 ppm

Analytical Method: NDIR

Approved for Release: _____

Rod Marsala

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

SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 05/16/2023
Time: 12:30:03

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.87: 0.080
TANK PRESSURE: 1220 psi

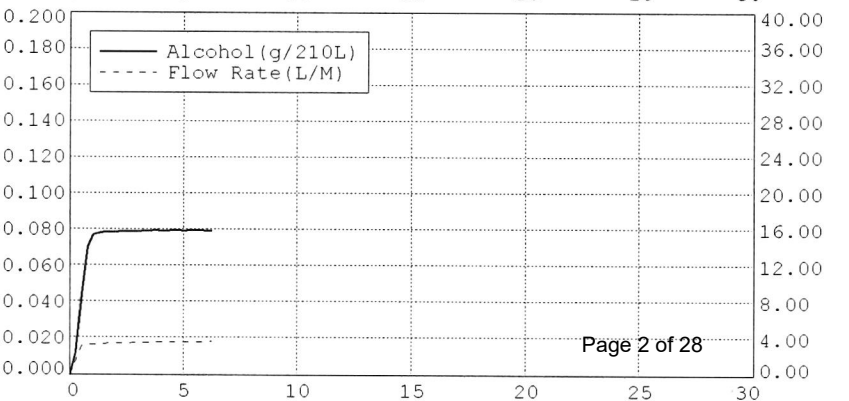
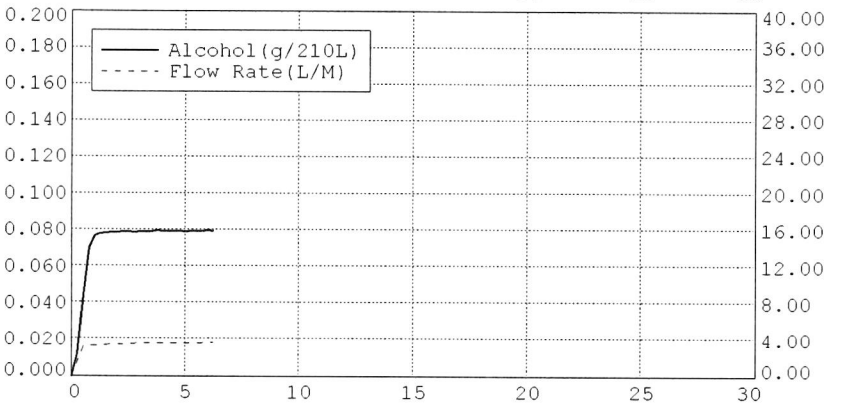
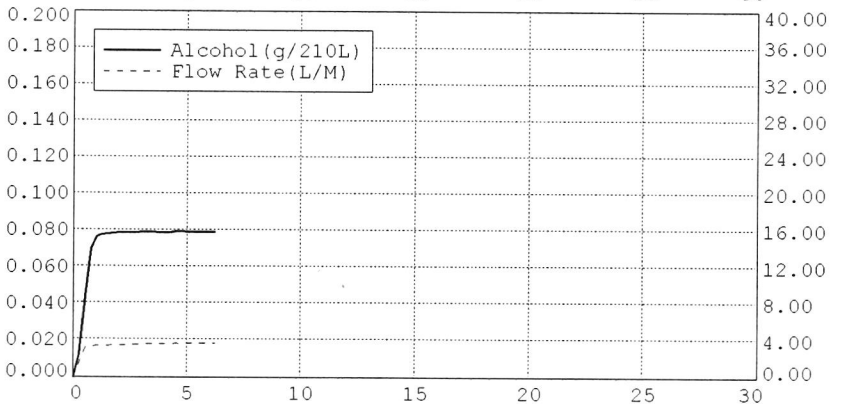
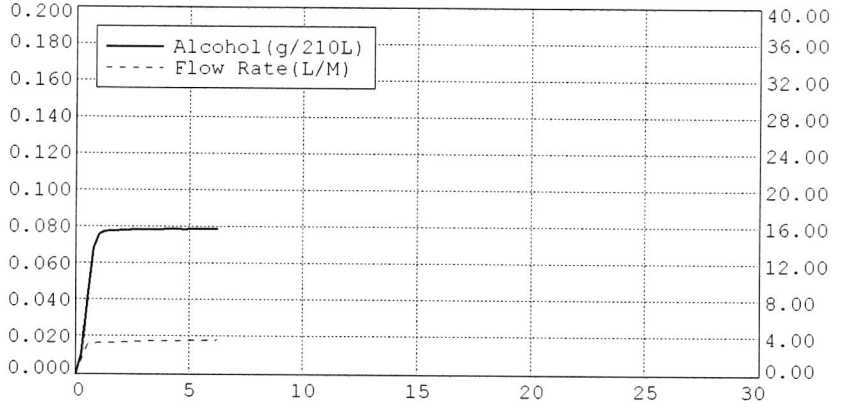
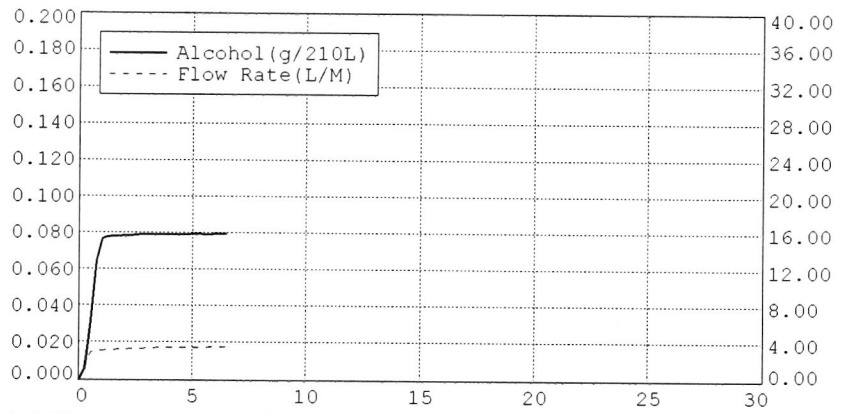
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INTERNAL STANDARD	VERIFIED	12:33
EXTERNAL STANDARD	0.081	12:33
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EXTERNAL STANDARD	0.080	12:34
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.080	12:35
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.080	12:37
BLANK TEST	0.000	12:38
EXTERNAL STANDARD	0.081	12:38
BLANK TEST	0.000	12:39

Average = 0.0804
Std Dev = 0.0005

Lot# A61310A01
Tank# 025
Exp. 04/19/2025
TLM 05/16/2023

0.0804
0.0790
0.0810

Average: 0.080



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 05/16/2023
Time: 12:31:38

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

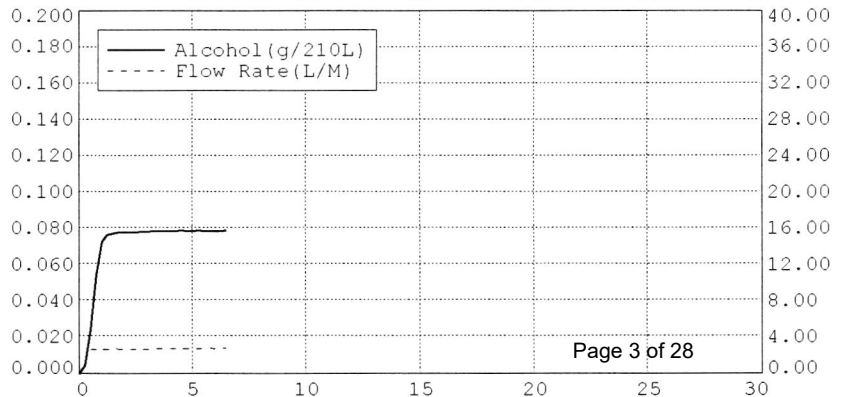
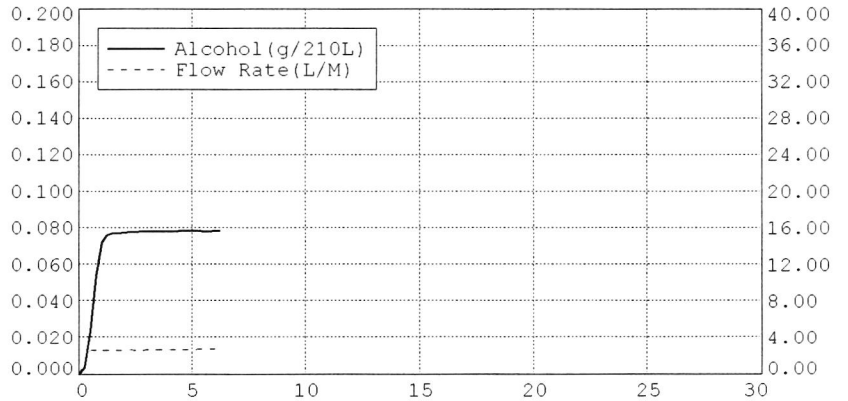
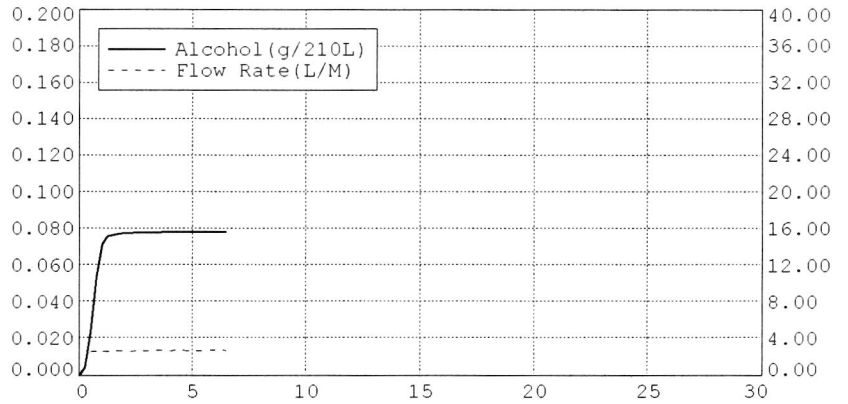
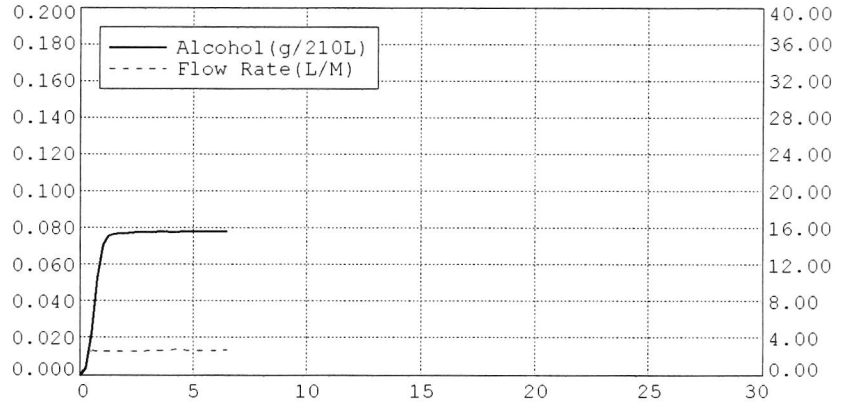
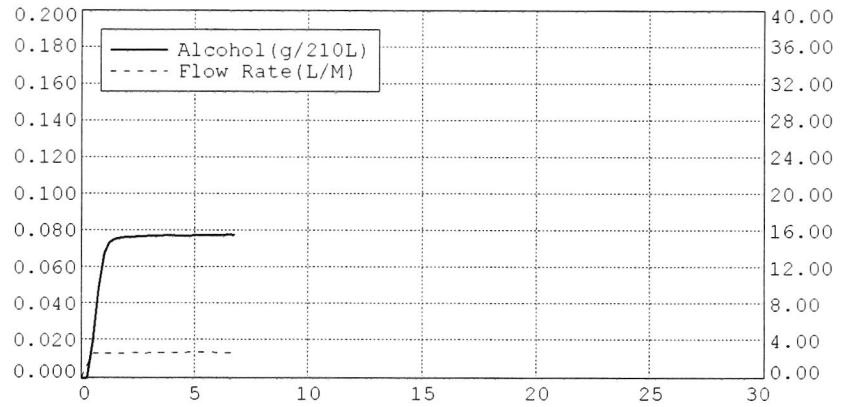
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.89: 0.080
TANK PRESSURE: 1189 psi

BLANK TEST	0.000	12:32
INTERNAL STANDARD	VERIFIED	12:32
EXTERNAL STANDARD	0.079	12:33
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.079	12:34
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.079	12:35
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.079	12:36
BLANK TEST	0.000	12:37
EXTERNAL STANDARD	0.079	12:37
BLANK TEST	0.000	12:38

Average = 0.0790
Std Dev = 0.0000

Lot # AG310A01
Tank # 025
Exp. 04/19/2025
TLM 05/16/2023

AG310901 EXP 04192025



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 05/16/2023
Time: 12:53:42

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

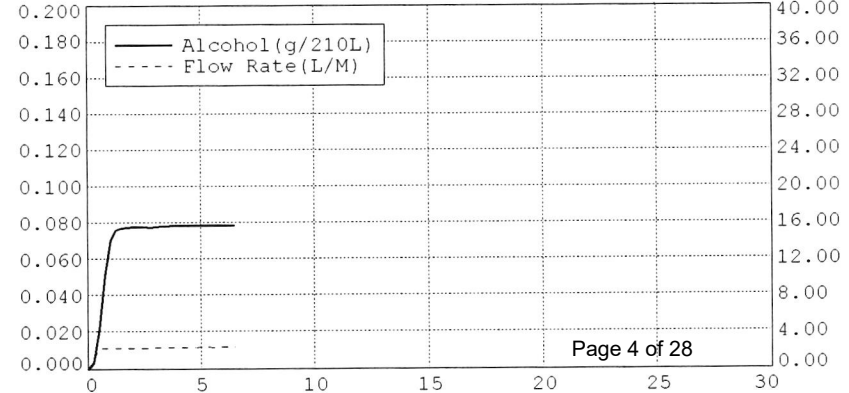
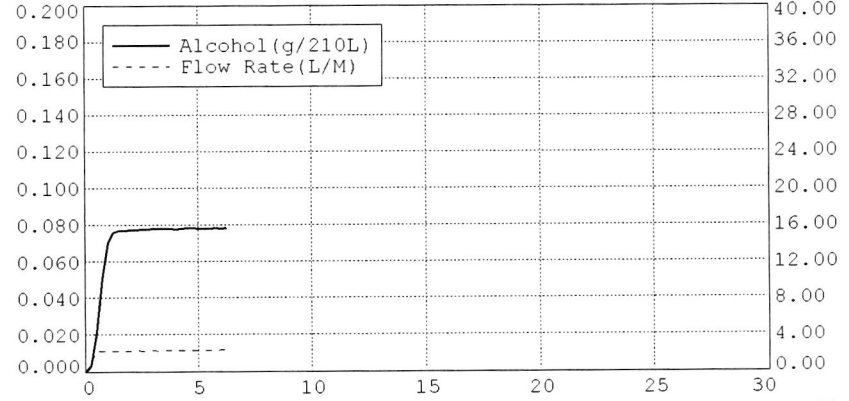
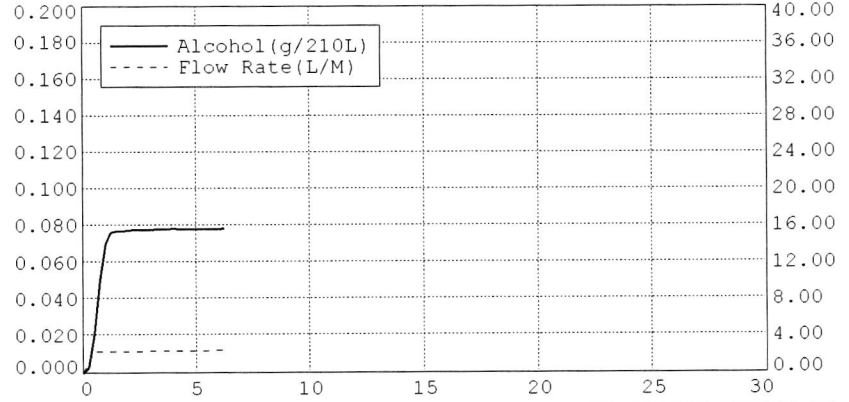
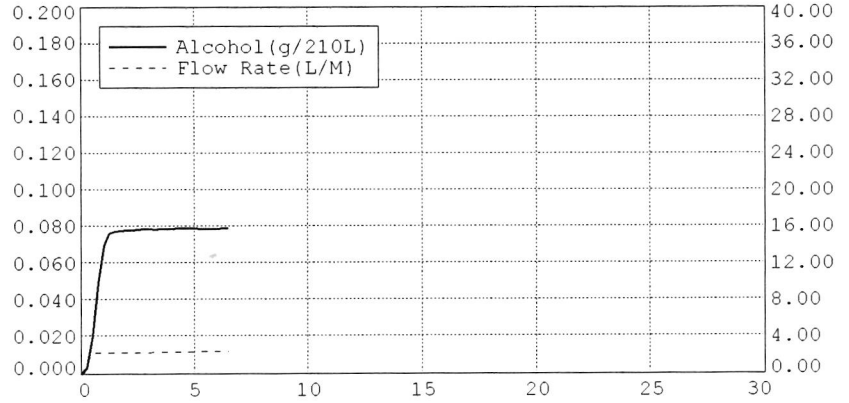
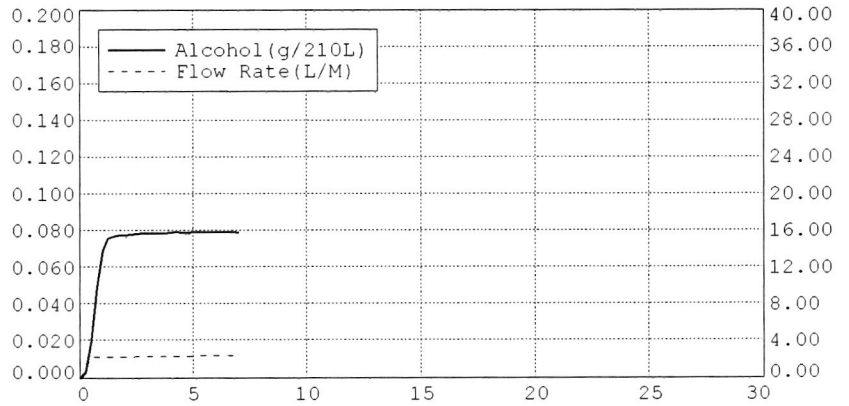
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.89: 0.080
TANK PRESSURE: 1172 psi

TEST TYPE	Value	Time
BLANK TEST	0.000	12:55
INTERNAL STANDARD	VERIFIED	12:55
EXTERNAL STANDARD	0.082	12:55
BLANK TEST	0.000	12:56
EXTERNAL STANDARD	0.082	12:57
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.081	12:58
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.080	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.080	13:00
BLANK TEST	0.000	13:01

Average = 0.0810
Std Dev = 0.0010

Lot # AG310A01
Tank # 025
Exp. 04/19/2025
TUM 05/16/2023

AG310901 EXP 04192025



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 05/16/2023
Time: 12:42:40

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.89: 0.080
TANK PRESSURE: 652 psi

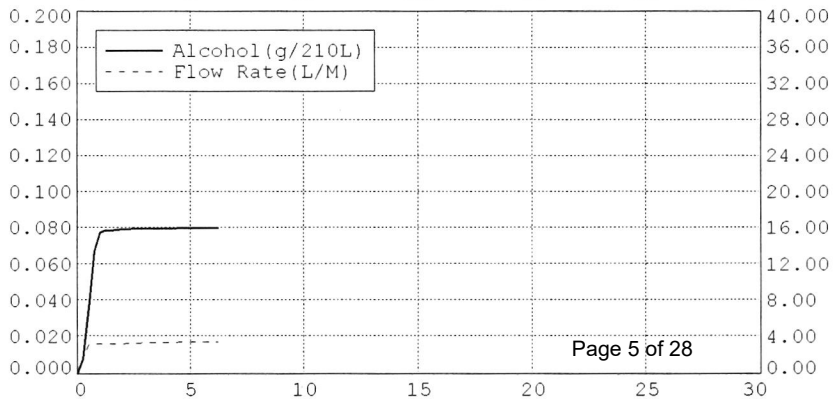
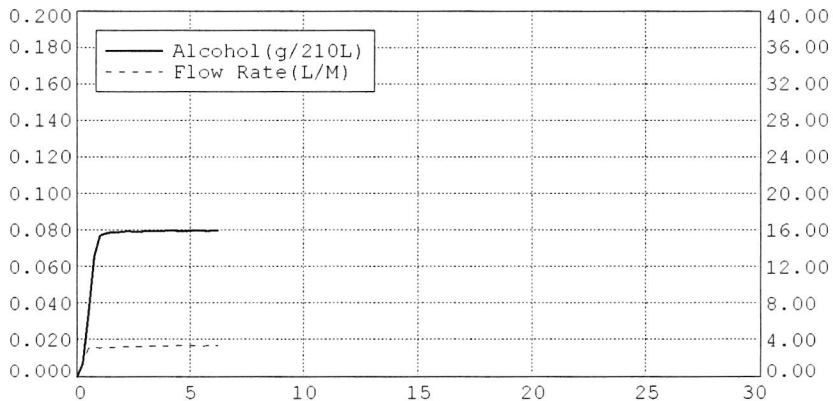
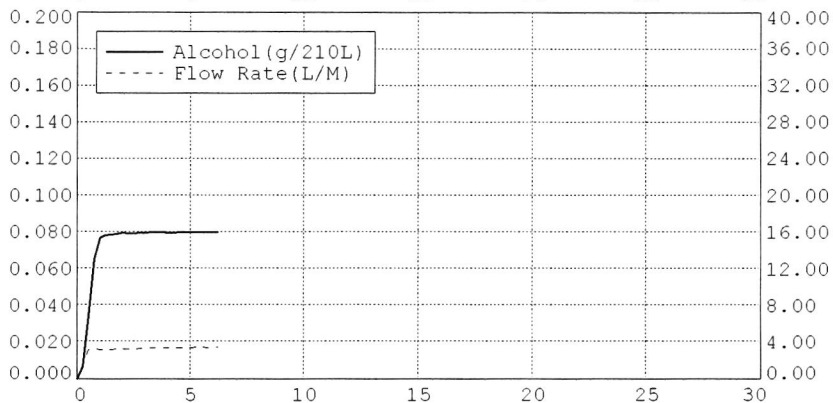
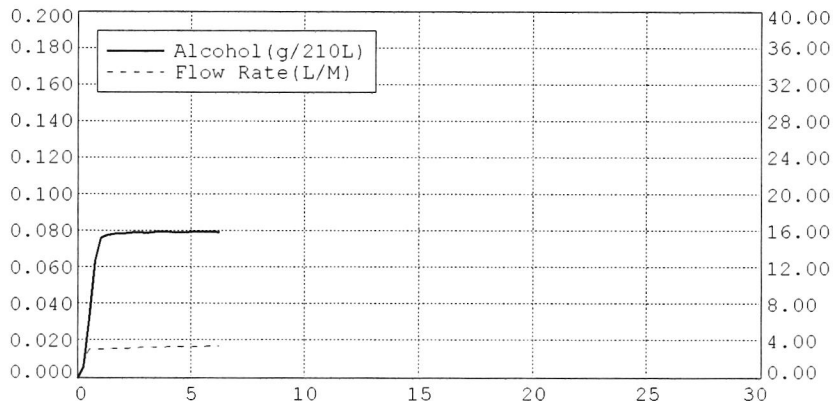
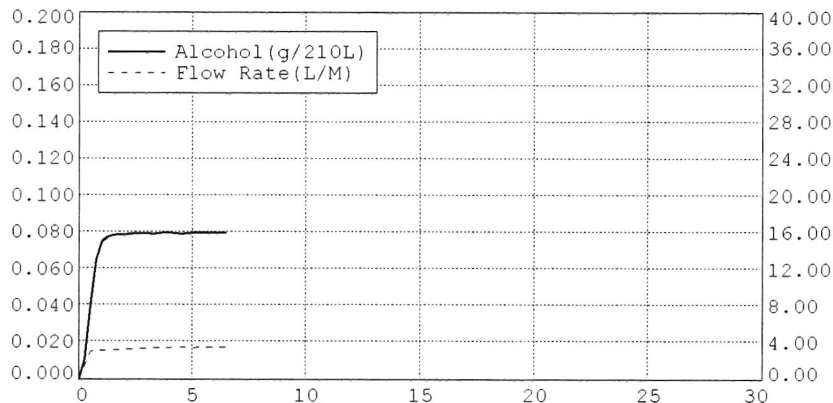
BLANK TEST	0.000	12:43
INTERNAL STANDARD	VERIFIED	12:43
EXTERNAL STANDARD	0.081	12:44
BLANK TEST	0.000	12:44
EXTERNAL STANDARD	0.080	12:45
BLANK TEST	0.000	12:46
EXTERNAL STANDARD	0.081	12:46
BLANK TEST	0.000	12:47
EXTERNAL STANDARD	0.081	12:47
BLANK TEST	0.000	12:48
EXTERNAL STANDARD	0.081	12:48
BLANK TEST	0.000	12:49

Average = 0.0808
Std Dev = 0.0004

Lot # A6B10901
Tank # 065
Exp. 04/19/2025
TLM 05/16/2023

0.0808
0.0800
0.0806

Average: 0.080



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 05/16/2023
Time: 12:22:01

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION

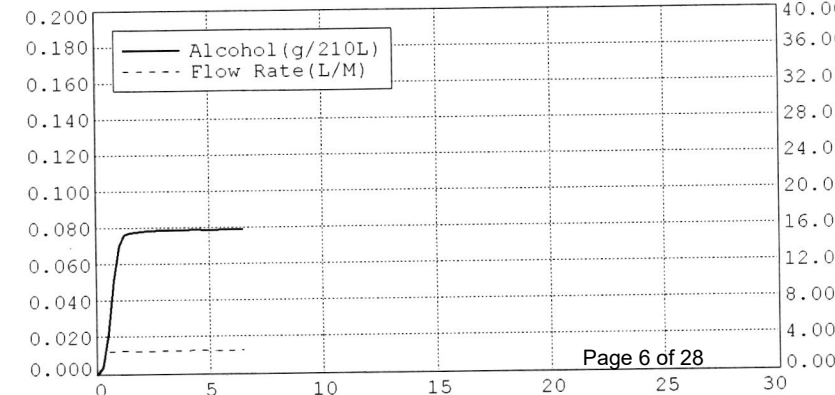
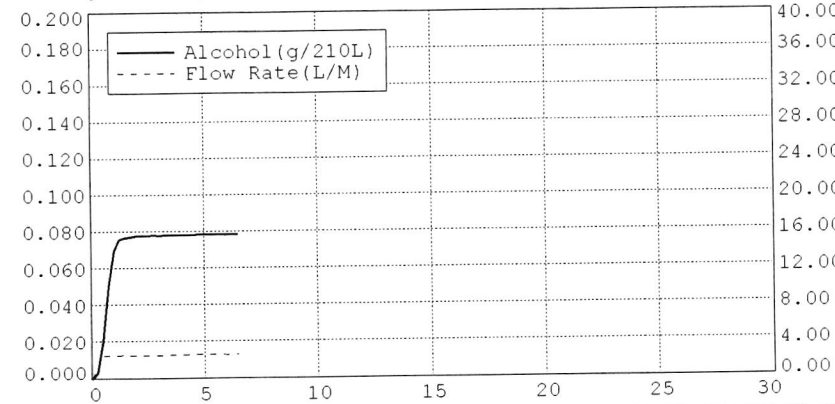
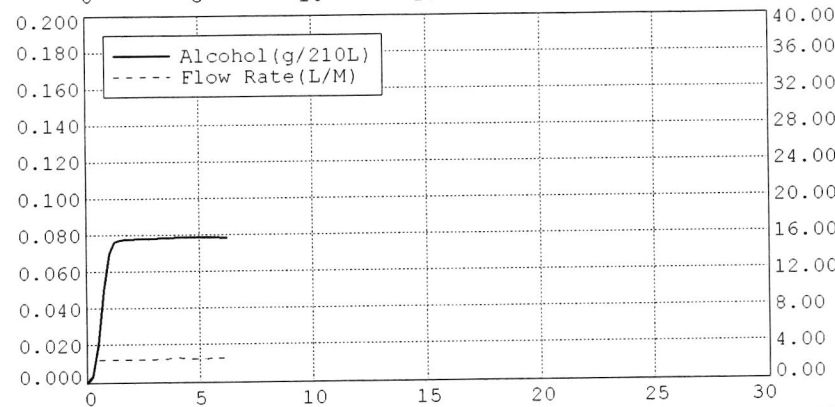
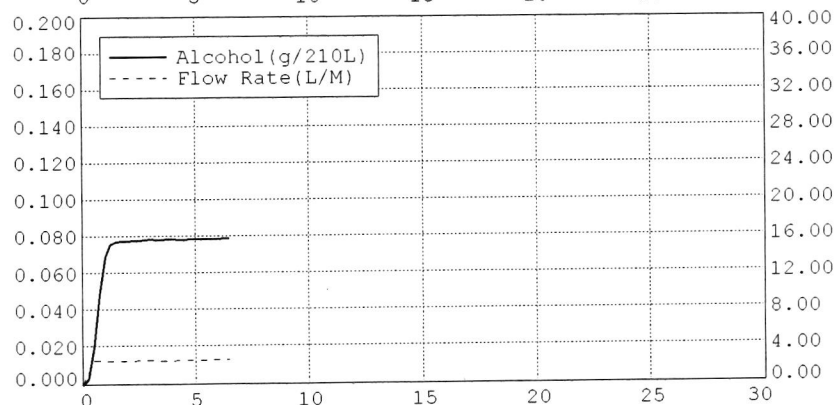
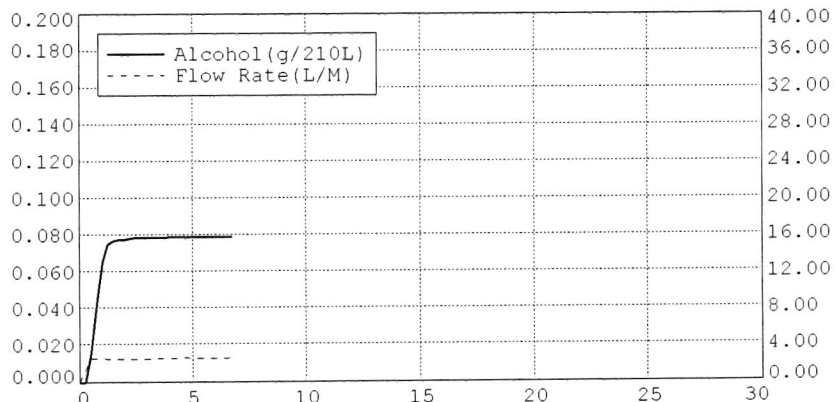
NOMINAL: 0.080
TARGET AT 29.88: 0.080
TANK PRESSURE: 654 psi

TEST TYPE	VALUE	TIME
BLANK TEST	0.000	12:23
INTERNAL STANDARD	VERIFIED	12:23
EXTERNAL STANDARD	0.080	12:23
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.080	12:24
BLANK TEST	0.000	12:25
EXTERNAL STANDARD	0.080	12:25
BLANK TEST	0.000	12:26
EXTERNAL STANDARD	0.080	12:27
BLANK TEST	0.000	12:27
EXTERNAL STANDARD	0.080	12:28
BLANK TEST	0.000	12:29

Average = 0.0800
Std Dev = 0.0000

Lot # AG310901
Tank # 065
Exp. 04/19/2025
TLM 05/16/2023

AG310901 EXP 04192025



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 05/16/2023
Time: 12:44:16

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

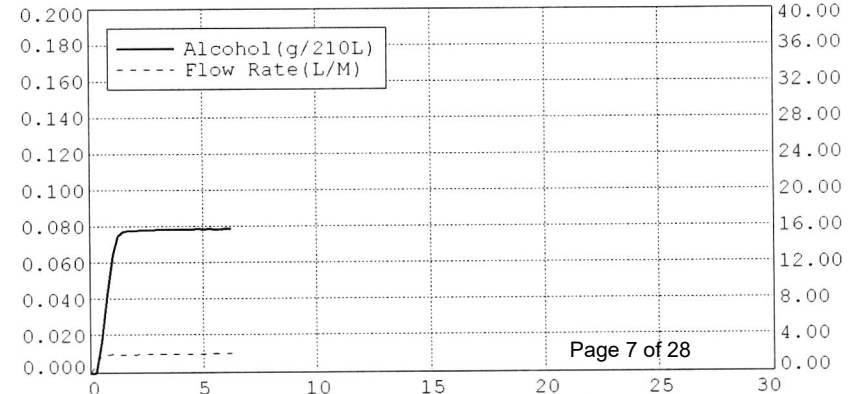
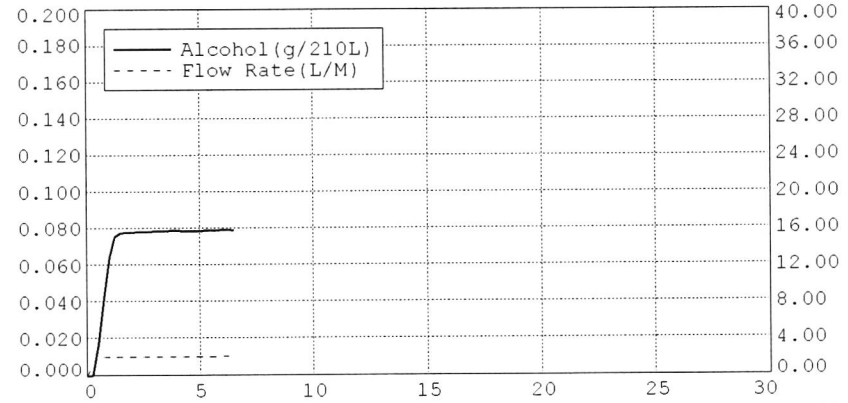
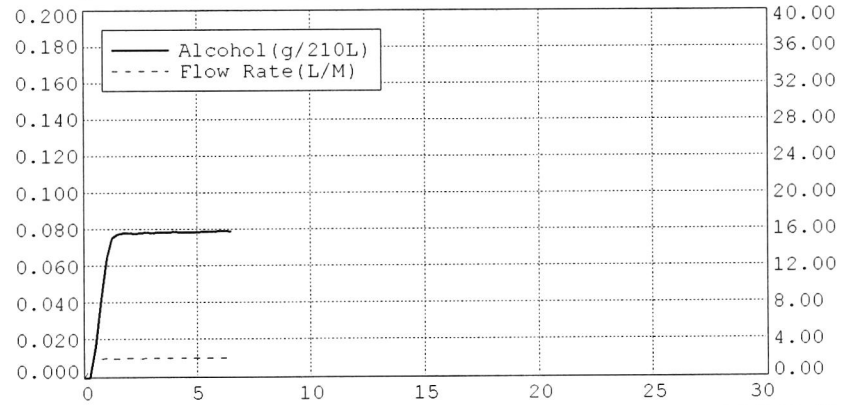
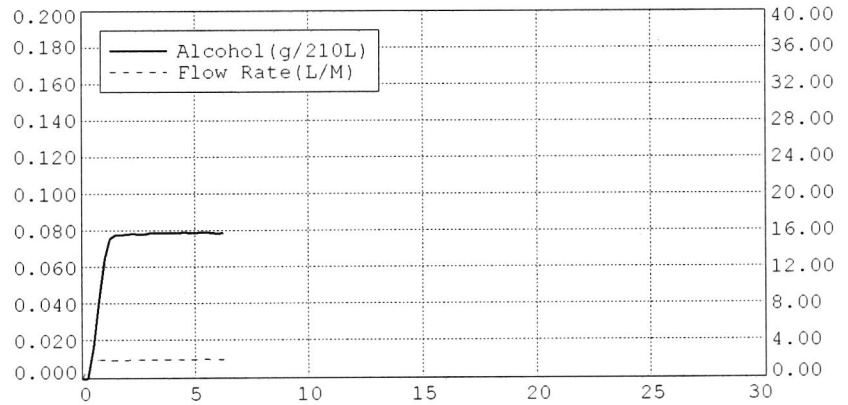
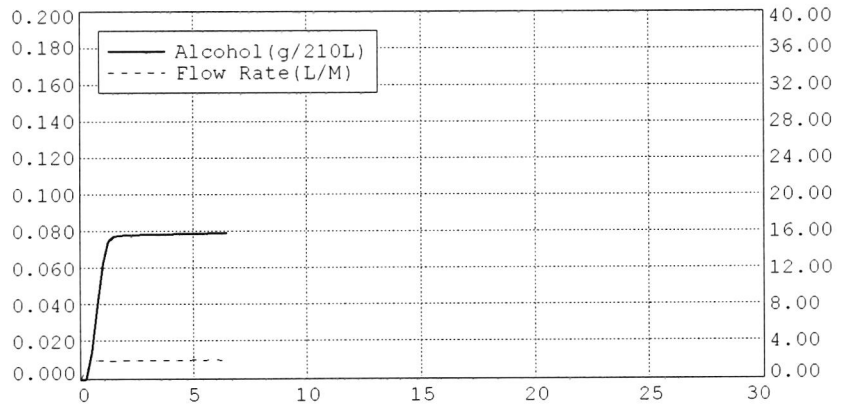
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.89: 0.080
TANK PRESSURE: 608 psi

BLANK TEST	0.000	12:45
INTERNAL STANDARD	VERIFIED	12:45
EXTERNAL STANDARD	0.081	12:45
BLANK TEST	0.000	12:46
EXTERNAL STANDARD	0.082	12:46
BLANK TEST	0.000	12:47
EXTERNAL STANDARD	0.080	12:47
BLANK TEST	0.000	12:48
EXTERNAL STANDARD	0.080	12:48
BLANK TEST	0.000	12:49
EXTERNAL STANDARD	0.080	12:50
BLANK TEST	0.000	12:50

Average = 0.0806
Std Dev = 0.0009

Lot # AG310901
Tank # 065
Exp. 04/19/2025
TLM 05/16/2023

AG310901 EXP 04192025



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 05/16/2023
Time: 12:53:05

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

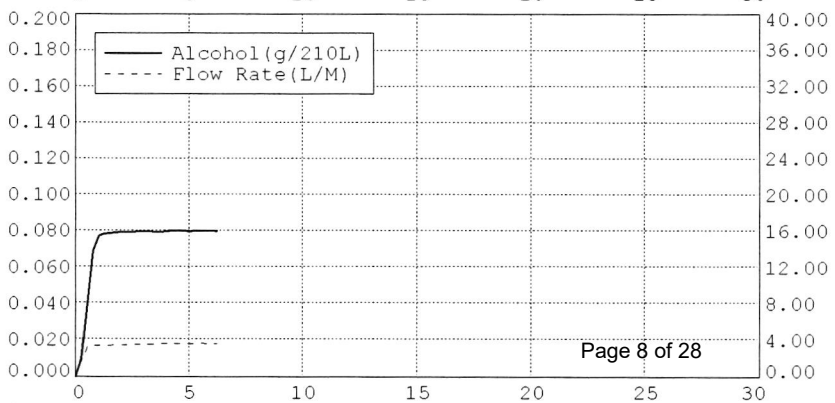
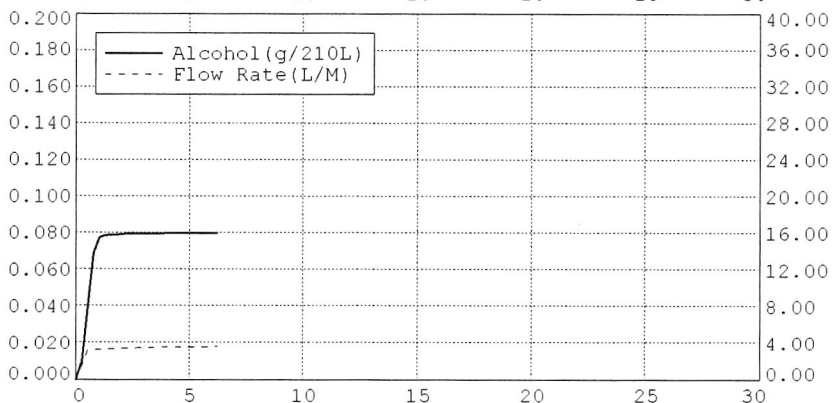
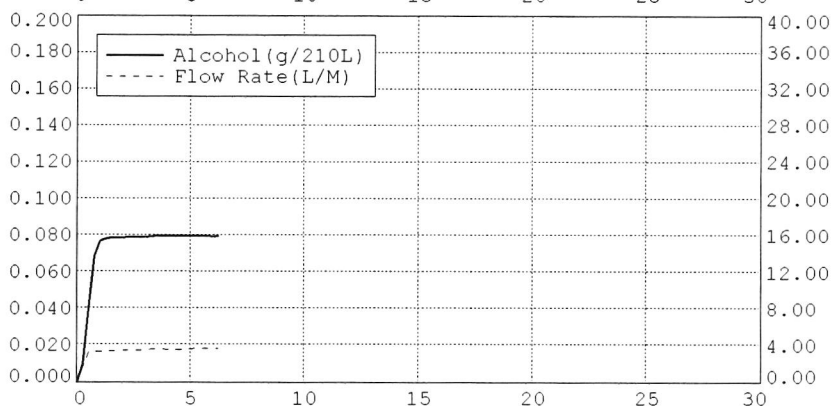
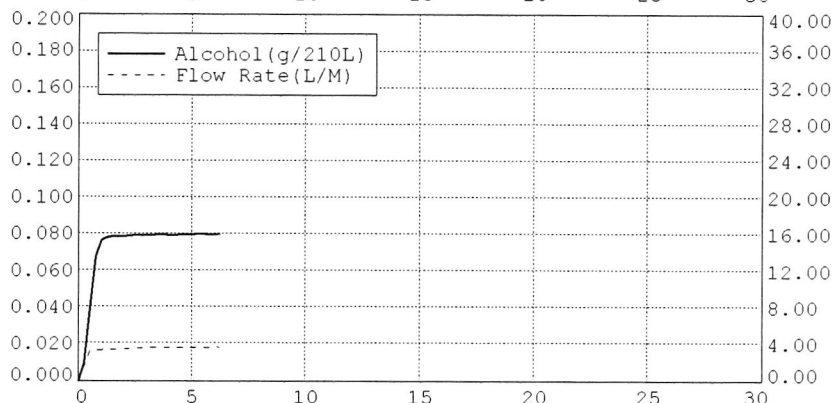
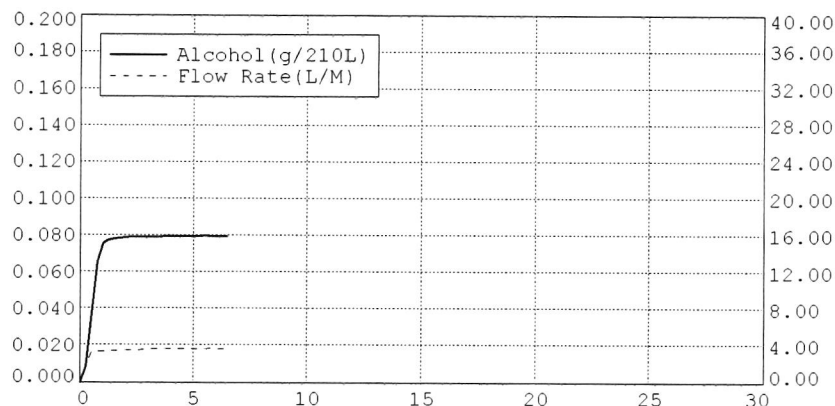
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.89: 0.080
TANK PRESSURE: 1209 psi

BLANK TEST	0.000	12:54
INTERNAL STANDARD	VERIFIED	12:54
EXTERNAL STANDARD	0.081	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.081	12:55
BLANK TEST	0.000	12:56
EXTERNAL STANDARD	0.081	12:56
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.081	12:57
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.081	12:58
BLANK TEST	0.000	12:59

Average = 0.0810
Std Dev = 0.0000

Lot # A61310901
Tank # 105
Exp. 04/19/2025
TLM 05/16/2023

0.0810
0.0800
0.0796
Average: 0.080



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 05/16/2023
Time: 12:50:18

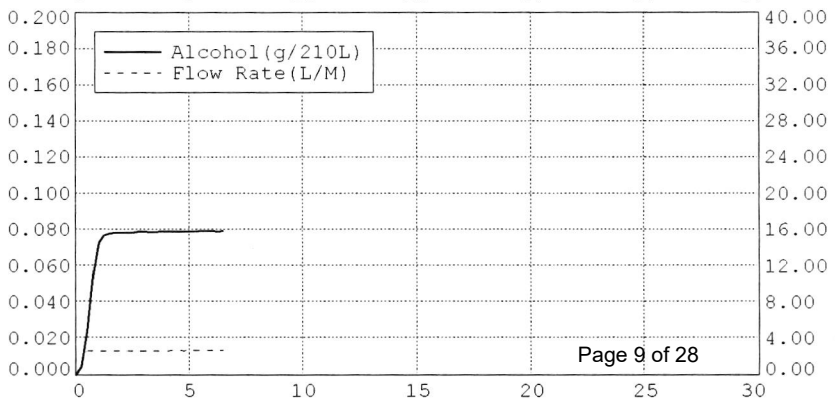
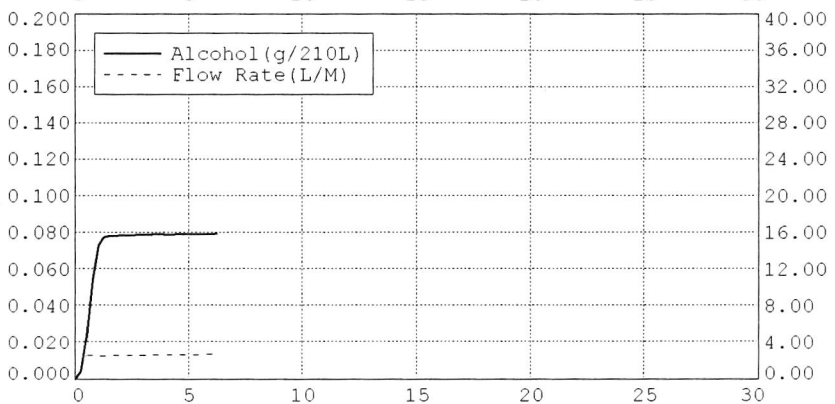
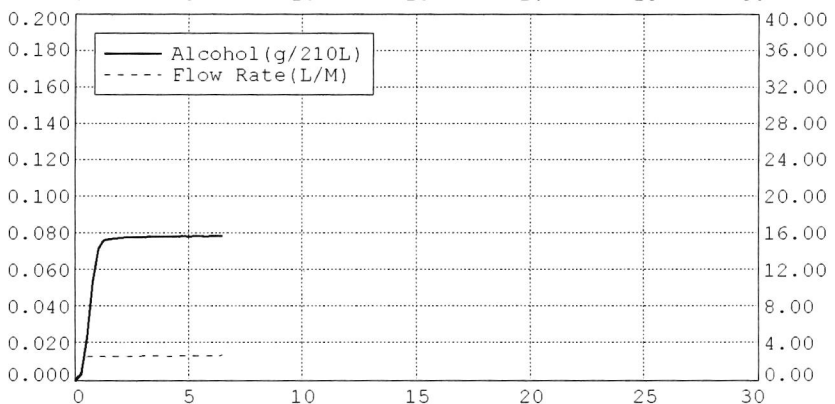
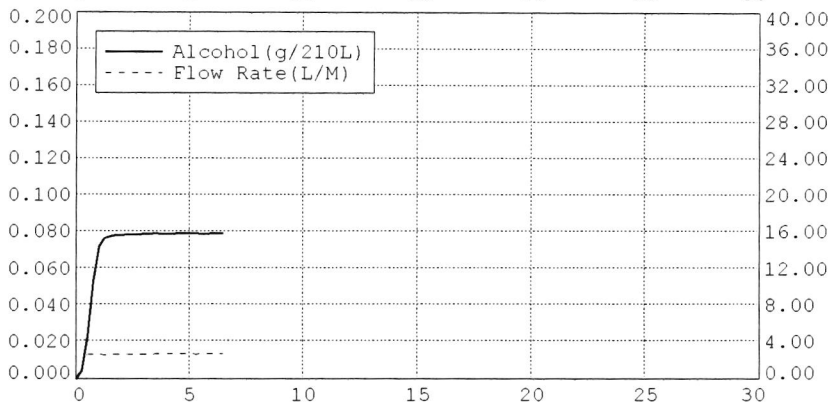
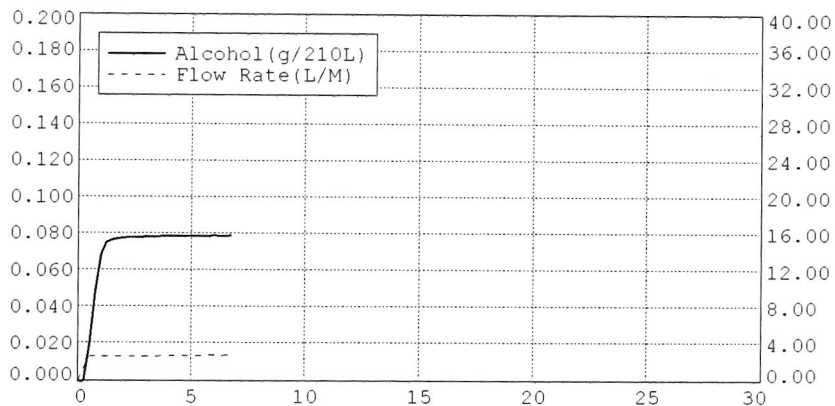
SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.89: 0.080
TANK PRESSURE: 1176 psi

BLANK TEST	0.000	12:51
INTERNAL STANDARD	VERIFIED	12:51
EXTERNAL STANDARD	0.080	12:51
BLANK TEST	0.000	12:52
EXTERNAL STANDARD	0.080	12:53
BLANK TEST	0.000	12:53
EXTERNAL STANDARD	0.080	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.080	12:55
BLANK TEST	0.000	12:56
EXTERNAL STANDARD	0.080	12:56
BLANK TEST	0.000	12:57

Average = 0.0800
Std Dev = 0.0000

Lot # A6310901
Tank # 105
Exp. 04/19/2025
TLM 05/16/2023



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 05/16/2023
Time: 12:24:43

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

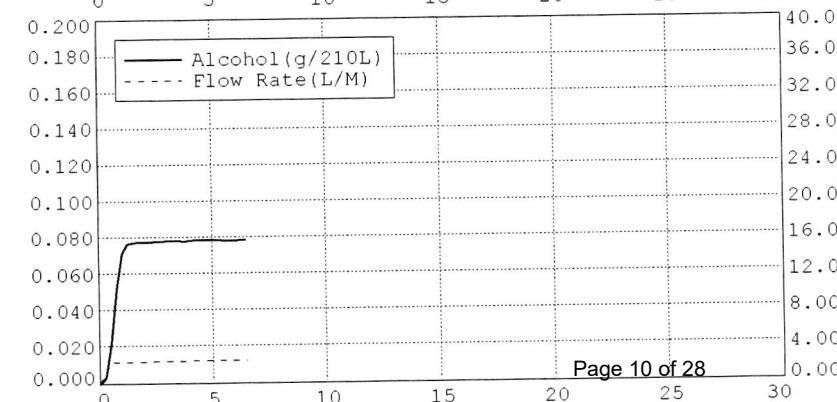
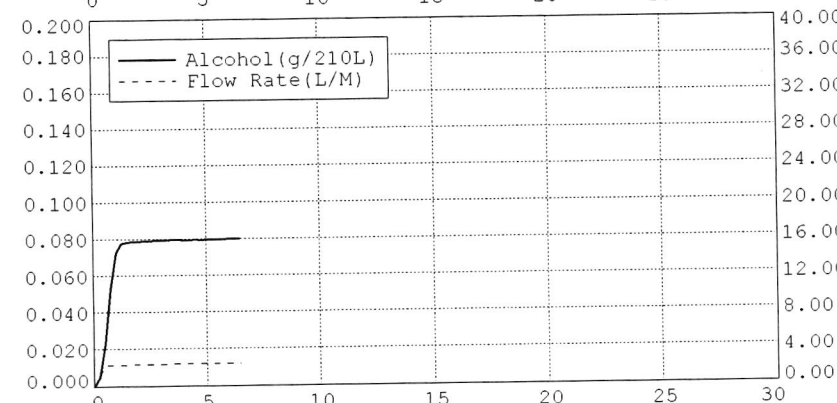
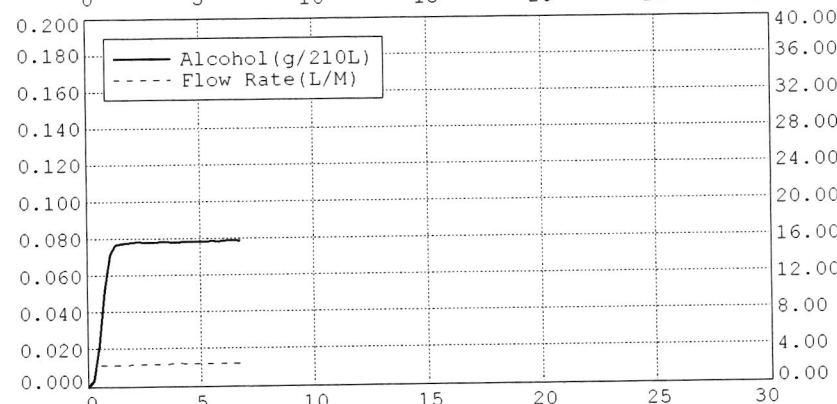
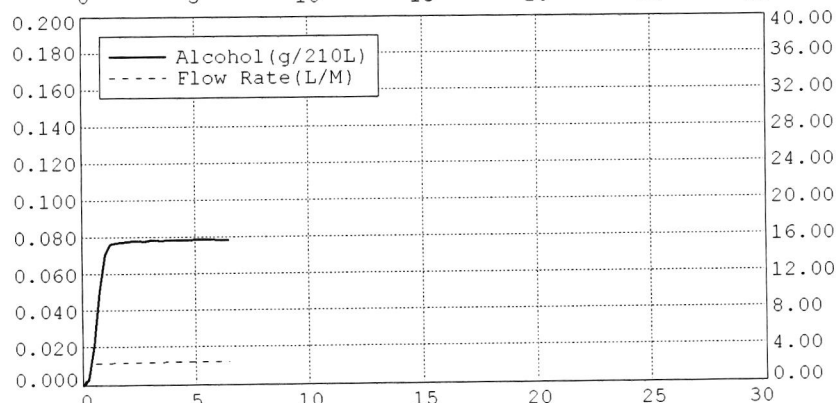
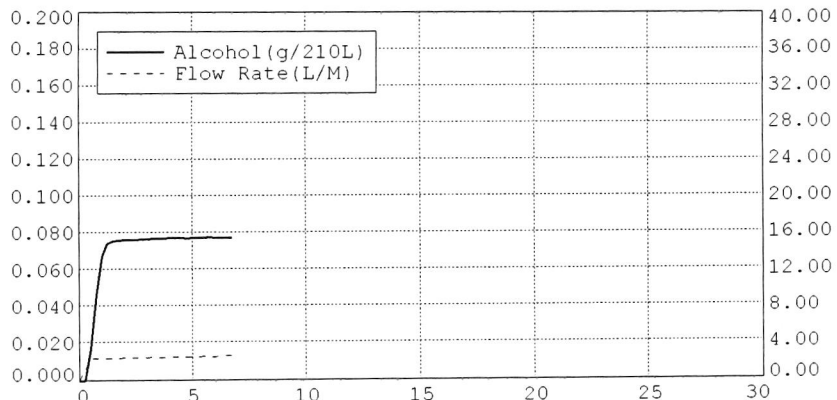
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.88: 0.080
TANK PRESSURE: 1216 psi

TEST TYPE	CONCENTRATION	TIME
BLANK TEST	0.000	12:25
INTERNAL STANDARD	VERIFIED	12:25
EXTERNAL STANDARD	0.078	12:26
BLANK TEST	0.000	12:26
EXTERNAL STANDARD	0.080	12:27
BLANK TEST	0.000	12:28
EXTERNAL STANDARD	0.080	12:28
BLANK TEST	0.000	12:29
EXTERNAL STANDARD	0.080	12:29
BLANK TEST	0.000	12:30
EXTERNAL STANDARD	0.080	12:30
BLANK TEST	0.000	12:31

Average = 0.0796
Std Dev = 0.0009

Lot # AG310901
Tank # 105
Exp. 04/19/2025
TLM 05/16/2023



DIAGNOSTIC RECORD

 Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 05/16/2023
 Time: 09:45:52

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 = 1.54 V	PASSED
(0.92 V - 2.16 V)	
Cooler Voltage = 1.54 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 = 29.9 in	

PUMP INFO

Flow Rate = 4.032 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.001 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 0.57% (0.00% - 4.00%)	

In House Instrument QA
 TLM 05/16/2023

Technician Screen

DATAMASTER dmt: 100375

Date: 05/16/2023

Time: 9:50 AM

Temperatures (°C)

Sample Cell: 48.7°C

Breath Tube: 48.1°C

Current Barometer 29.9 in

Volume (Ltr) 0.00

Settings

Lamp: 1.54 V

Bias: 79 V

Cooler: 1.54 V

Chopper: 539 Hz

Voltages (V)

Flow: 1.05 V

Detector: 0.074 V

LINEARITY CHECK

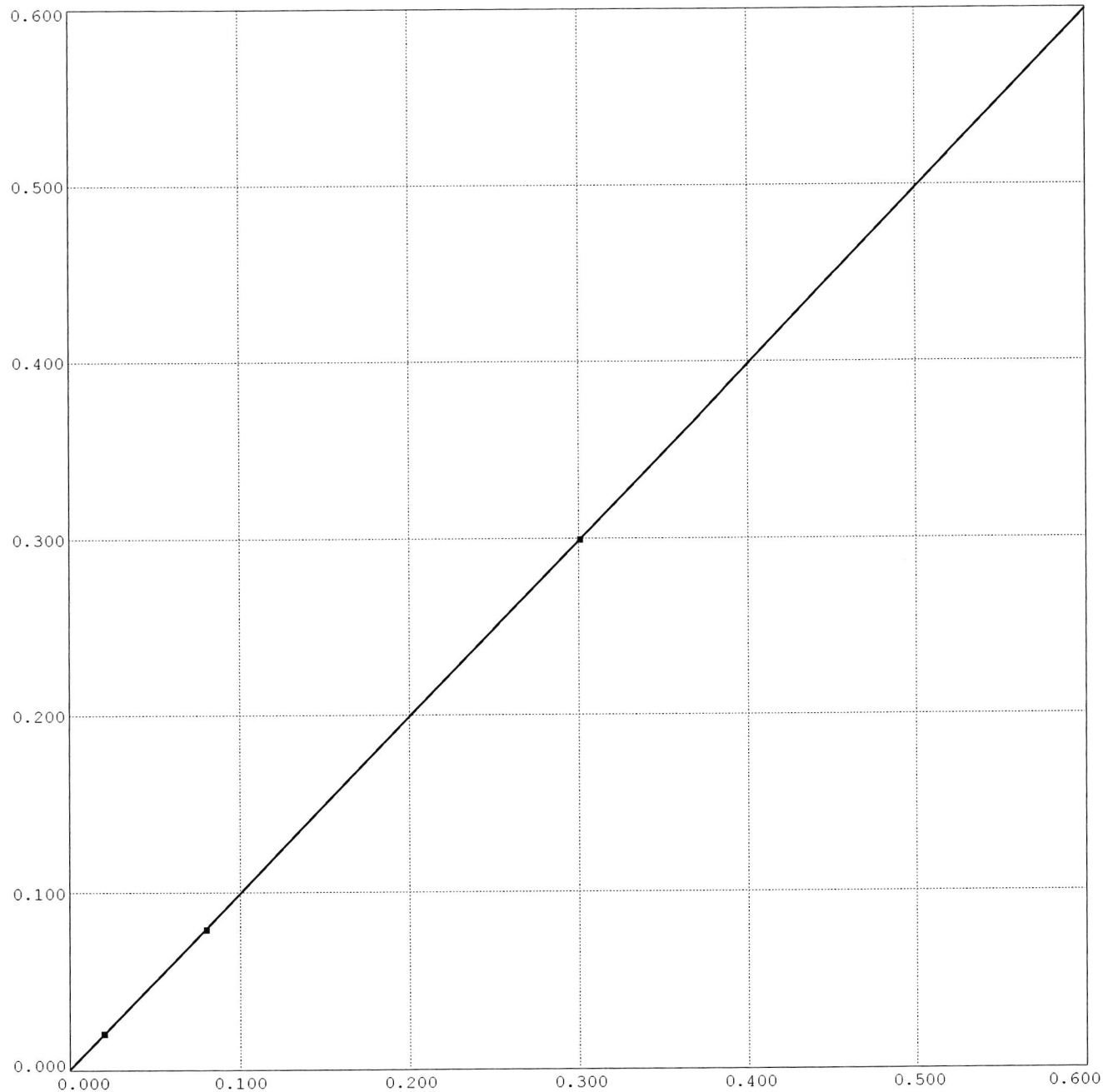
Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 05/16/2023
Time: 09:53:10

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

TARGET	AVERAGE	STD. DEV.
0.020	0.0210	0.0000
0.080	0.0800	0.0000
0.300	0.3000	0.0000

SLOPE = 0.997393
R² = 0.999991



TLM

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100375

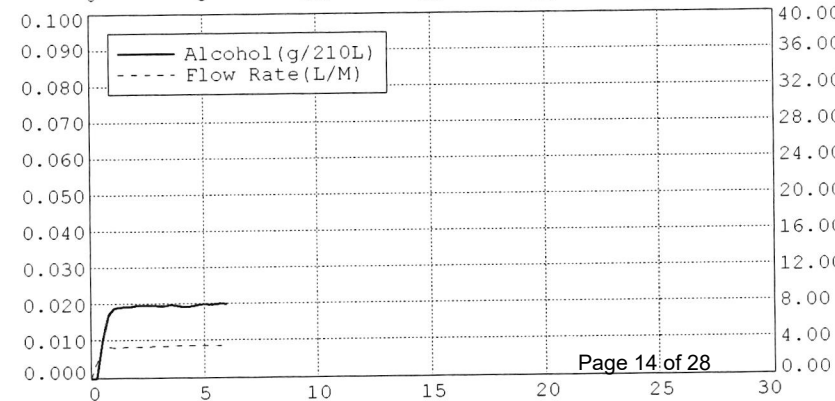
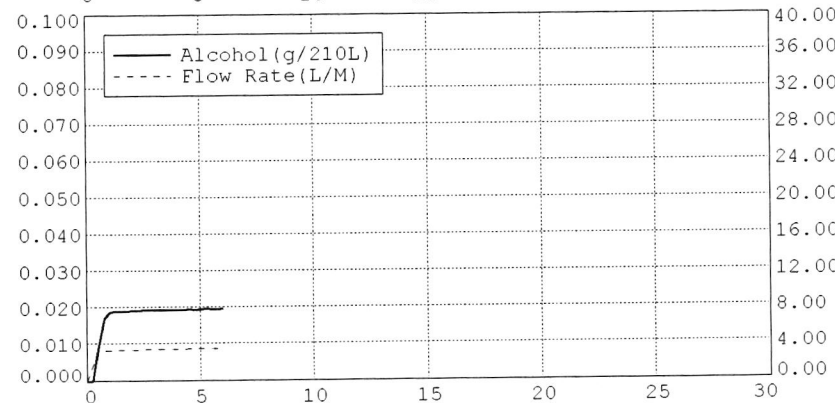
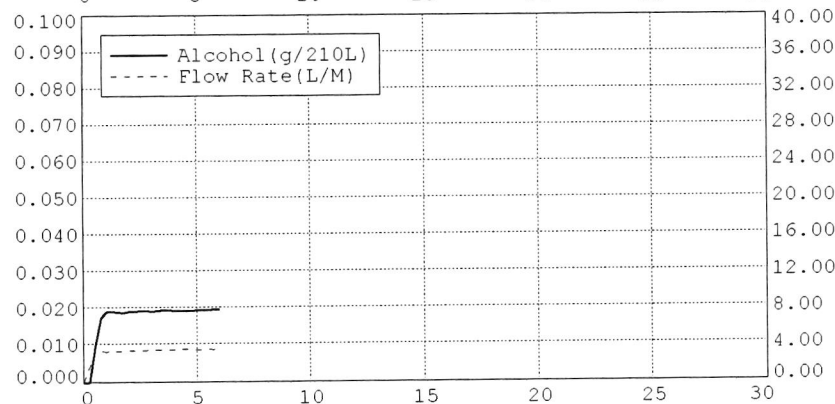
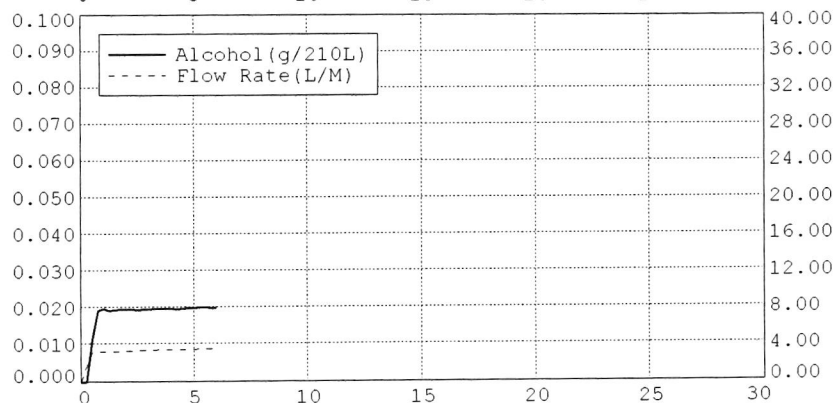
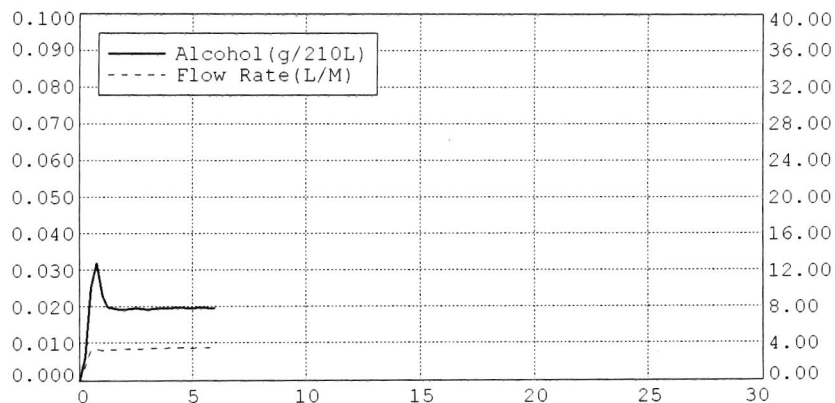
Date: 05/16/2023
Time: 09:53:12

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.88: 0.020
LOT #: AG217902
EXPIRATION: 06/28/2024
TANK PRESSURE: 814 psi

BLANK TEST	0.000	09:54
INTERNAL STANDARD	VERIFIED	09:54
EXTERNAL STANDARD	0.021	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.021	09:55
BLANK TEST	0.000	09:56
EXTERNAL STANDARD	0.021	09:57
BLANK TEST	0.000	09:57
EXTERNAL STANDARD	0.021	09:58
BLANK TEST	0.000	09:59
EXTERNAL STANDARD	0.021	09:59
BLANK TEST	0.000	10:00

Average = 0.0210
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100375

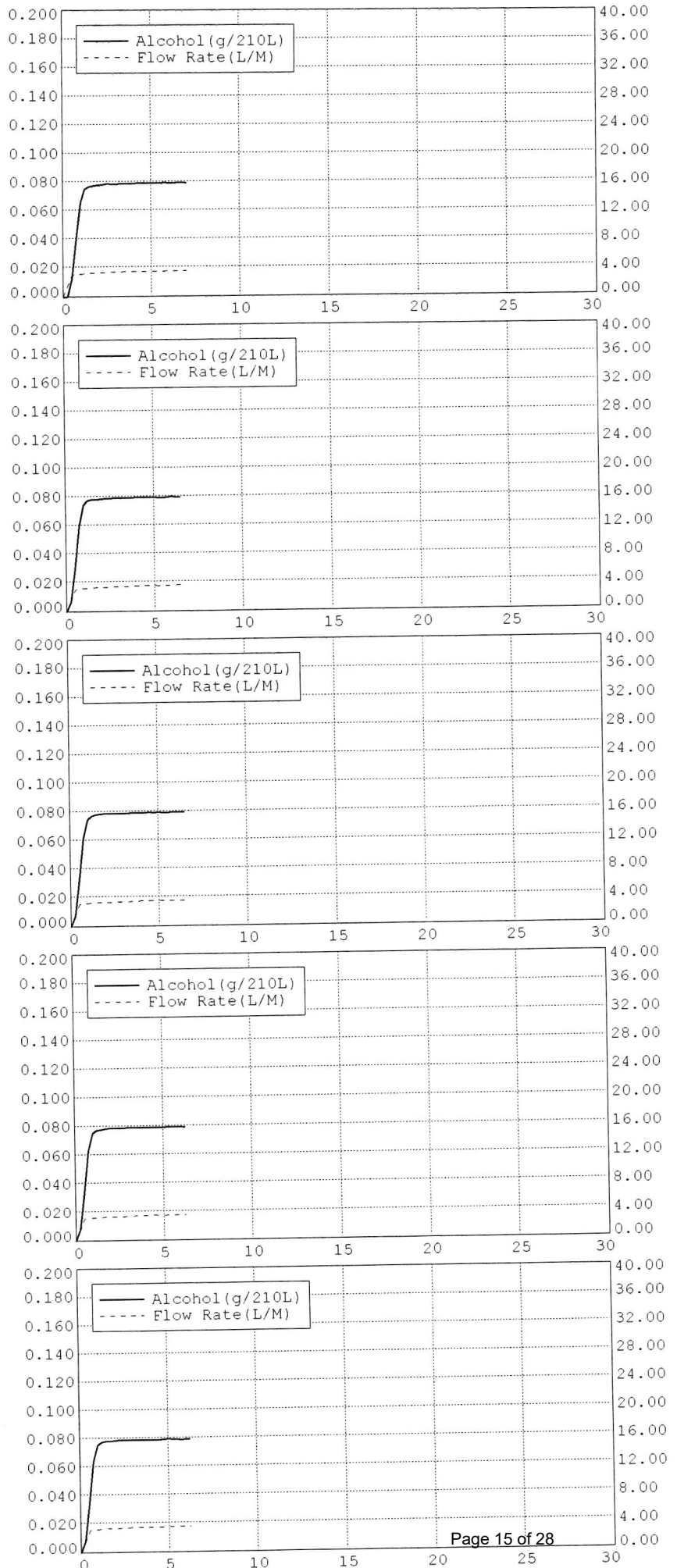
Date: 05/16/2023
Time: 10:35:21

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.87: 0.080
LOT #: AG135004
EXPIRATION: 12/16/2023
TANK PRESSURE: 1215 psi

BLANK TEST	0.000	10:36
INTERNAL STANDARD	VERIFIED	10:36
EXTERNAL STANDARD	0.080	10:37
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.080	10:38
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.080	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.080	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.080	10:41
BLANK TEST	0.000	10:42

Average = 0.0800
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100375

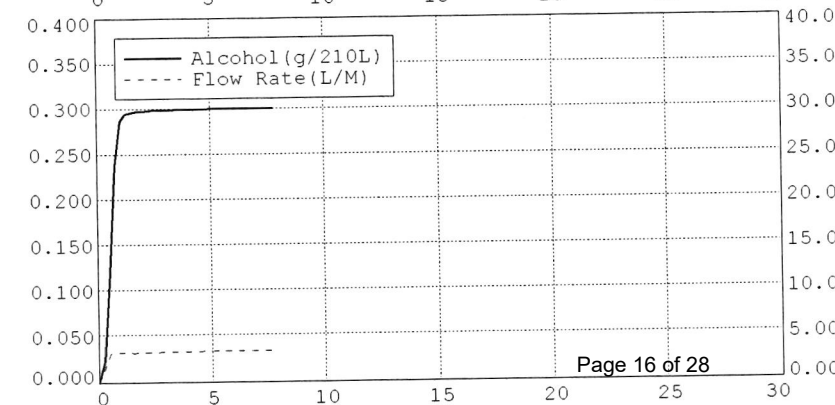
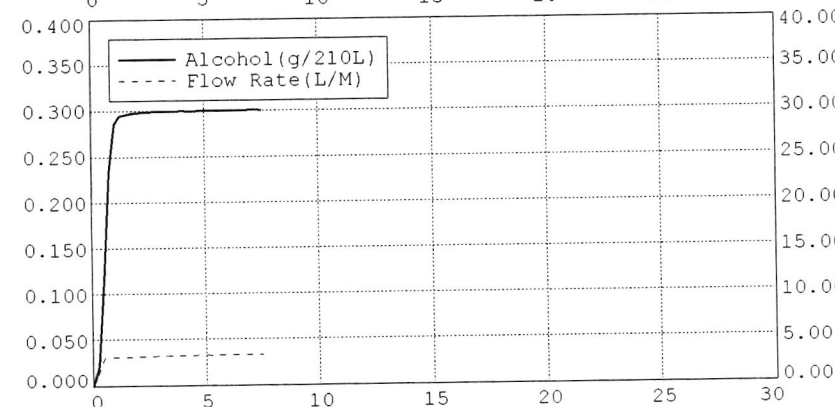
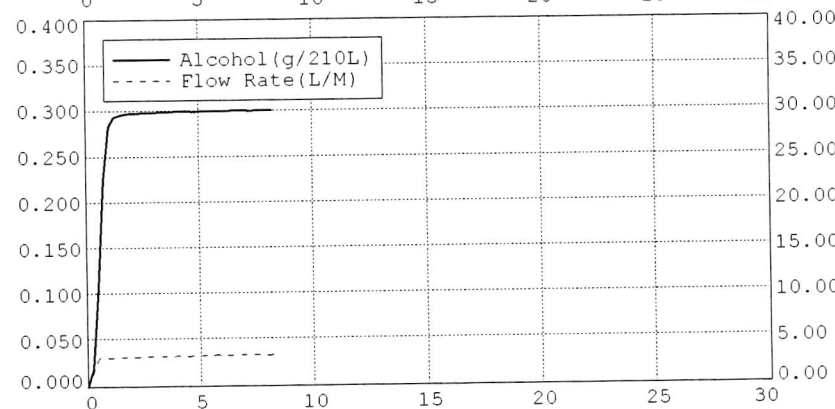
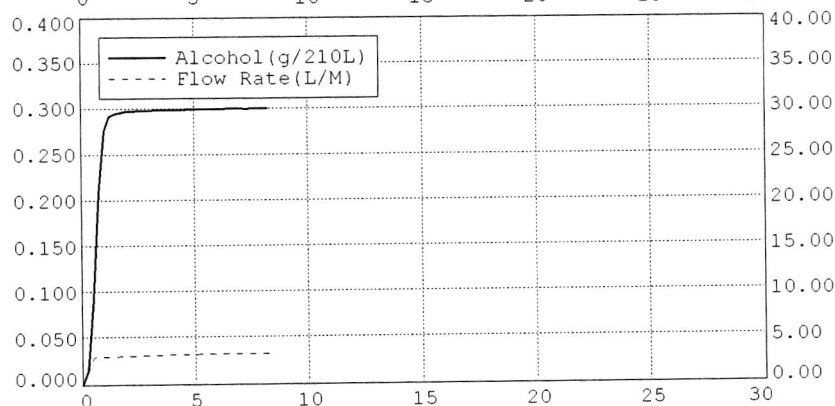
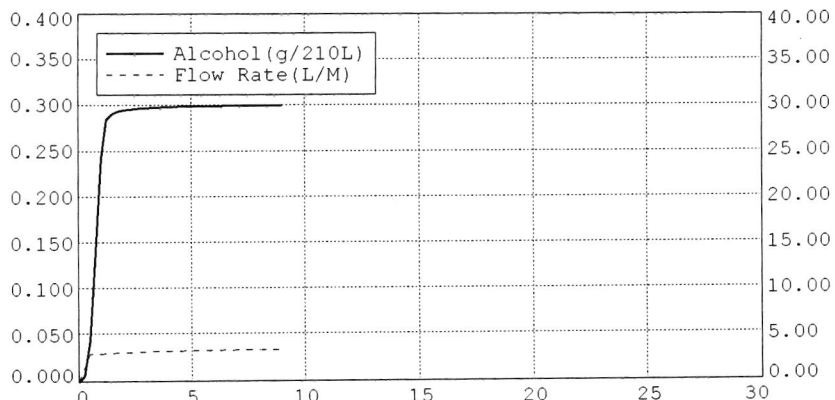
Date: 05/16/2023
Time: 10:44:15

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.89: 0.300
LOT #: AG217903
EXPIRATION: 06/28/2024
TANK PRESSURE: 485 psi

BLANK TEST	0.000	10:45
INTERNAL STANDARD	VERIFIED	10:45
EXTERNAL STANDARD	0.300	10:45
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.300	10:46
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.300	10:48
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.300	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.300	10:50
BLANK TEST	0.000	10:51

Average = 0.3000
Std Dev = 0.0000



DIAGNOSTIC RECORD

 Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 05/16/2023
 Time: 09:36:23

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 = 47.6°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.80 V	PASSED
(1.01 V - 2.37 V)	
Cooler Voltage = 1.56 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 81 V	PASSED
(49 V - 113 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.261 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.001 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 = 0.094 0.65% (0.00% - 4.00%)	

In House Instrument QA
 TLM 05/16/2023

Technician Screen

DATAMASTER dmt: 100397

Date: 05/16/2023

Time: 9:41 AM

Temperatures (°C)

Sample Cell: 48.7°C

Breath Tube: 48.1°C

Current Barometer 29.9 in

Volume (Ltr) 0.00

Settings

Lamp: 1.82 V

Bias: 81 V

Cooler: 1.53 V

Chopper: 532 Hz

Voltages (V)

Flow: 1.06 V

Detector: 0.023 V

LINEARITY CHECK

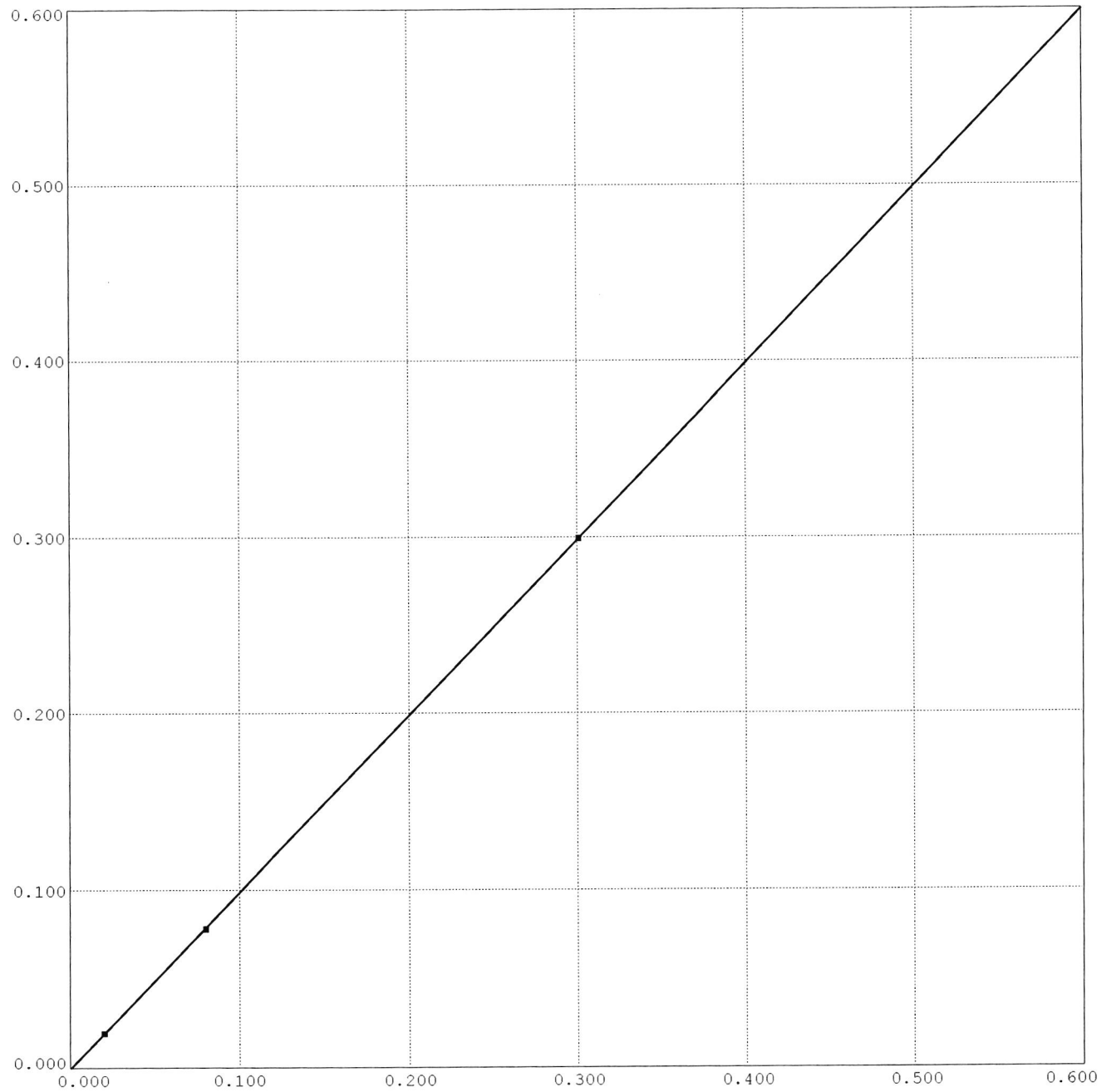
Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 05/16/2023
Time: 09:43:03

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.080	0.0792	0.0004
0.300	0.2998	0.0004

SLOPE = 1.000215
R² = 0.999992



TLM

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100397

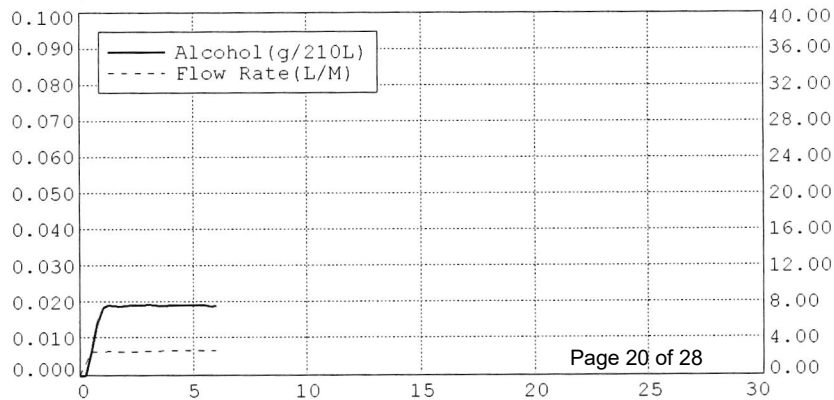
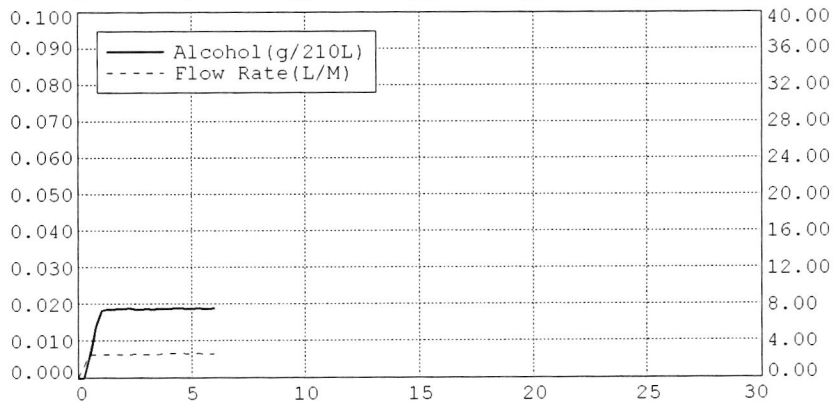
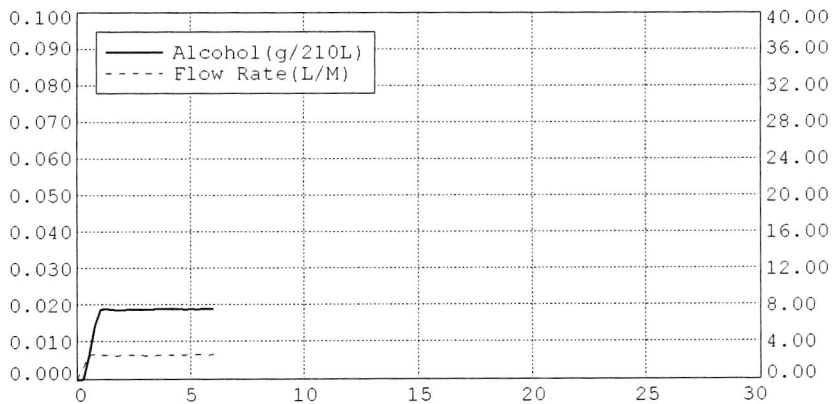
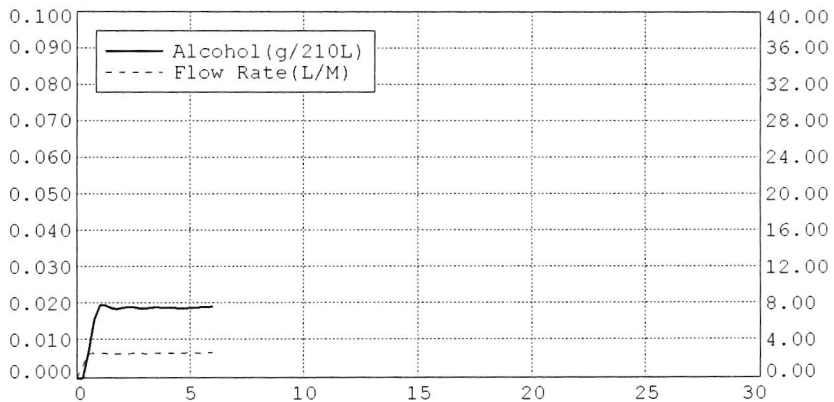
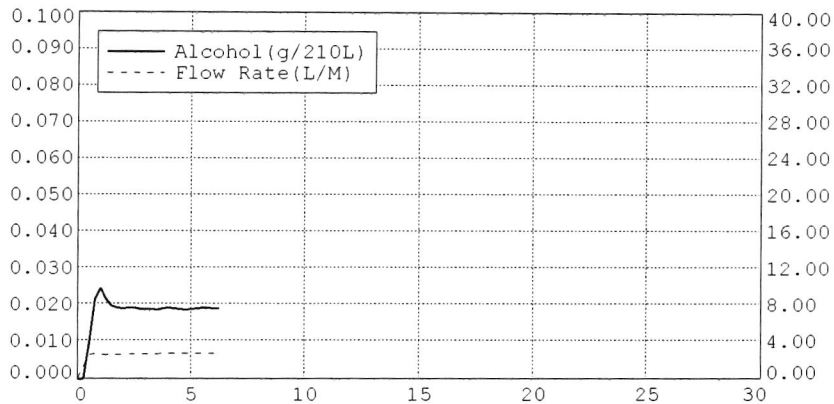
Date: 05/16/2023
Time: 09:43:06

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.89: 0.020
LOT #: AG217902
EXPIRATION: 06/28/2024
TANK PRESSURE: 877 psi

BLANK TEST	0.000	09:44
INTERNAL STANDARD	VERIFIED	09:44
EXTERNAL STANDARD	0.020	09:44
BLANK TEST	0.000	09:45
EXTERNAL STANDARD	0.020	09:45
BLANK TEST	0.000	09:46
EXTERNAL STANDARD	0.020	09:46
BLANK TEST	0.000	09:47
EXTERNAL STANDARD	0.020	09:48
BLANK TEST	0.000	09:48
EXTERNAL STANDARD	0.020	09:49
BLANK TEST	0.000	09:50

Average = 0.0200
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100397

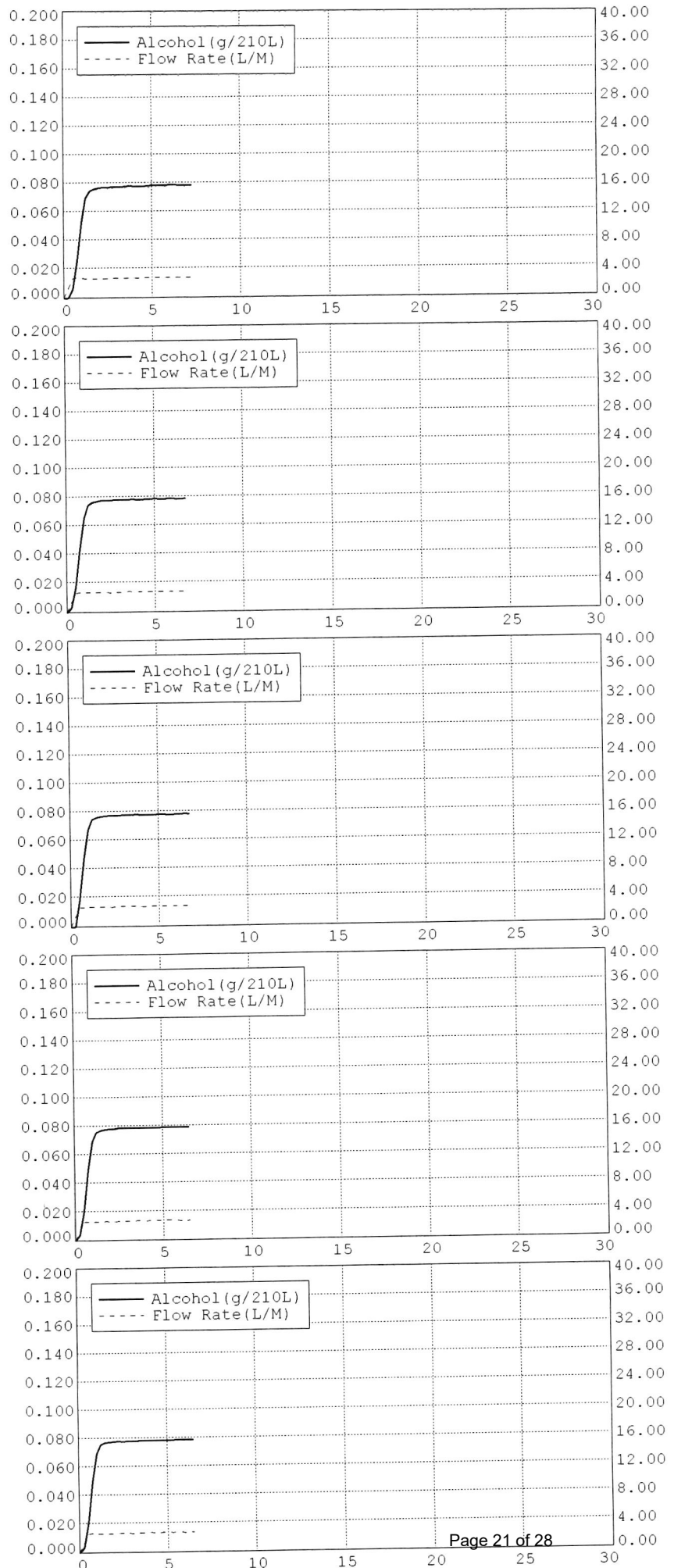
Date: 05/16/2023
Time: 10:22:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.89: 0.080
LOT #: AG135004
EXPIRATION: 12/16/2023
TANK PRESSURE: 1209 psi

BLANK TEST	0.000	10:23
INTERNAL STANDARD	VERIFIED	10:23
EXTERNAL STANDARD	0.079	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.079	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.079	10:26
BLANK TEST	0.000	10:27
EXTERNAL STANDARD	0.080	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.079	10:28
BLANK TEST	0.000	10:29

Average = 0.0792
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100397

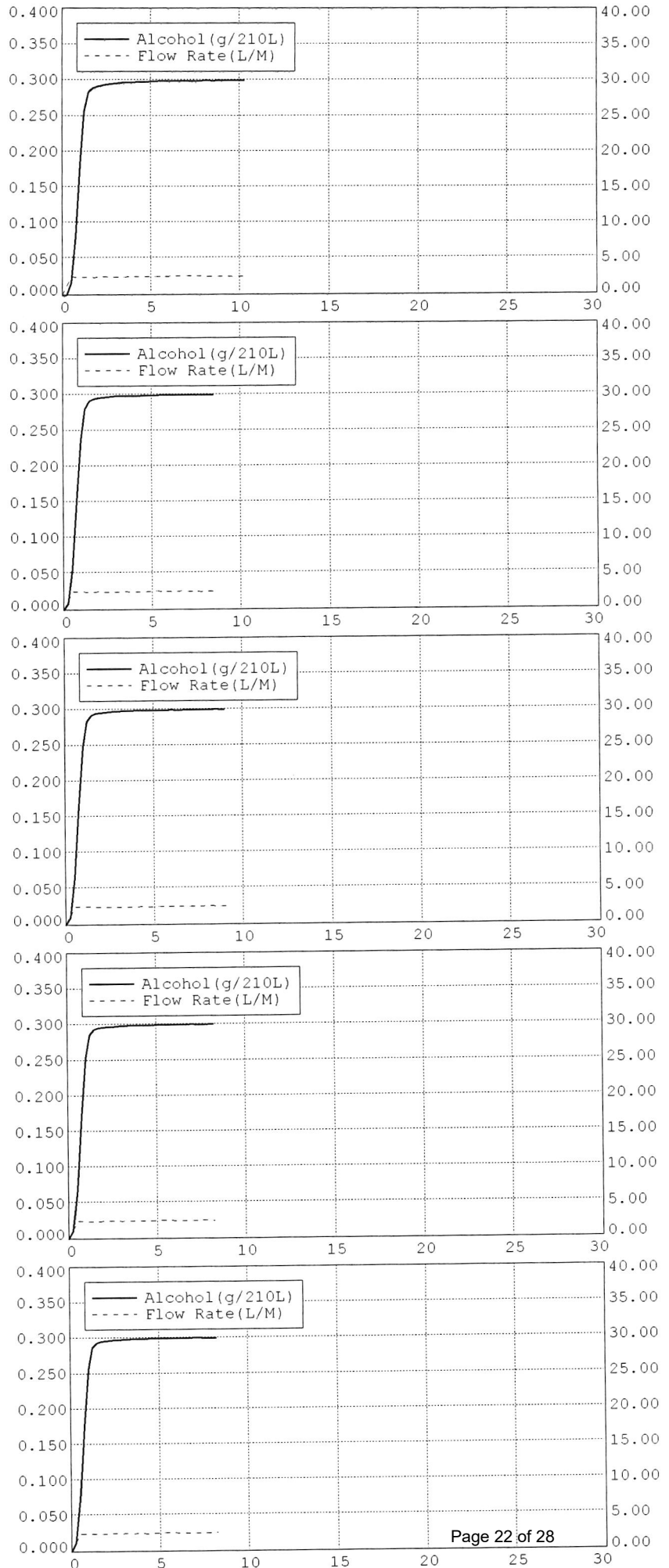
Date: 05/16/2023
Time: 10:33:36

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.89: 0.300
LOT #: AG217903
EXPIRATION: 06/28/2024
TANK PRESSURE: 243 psi

BLANK TEST	0.000	10:34
INTERNAL STANDARD	VERIFIED	10:34
EXTERNAL STANDARD	0.300	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.300	10:36
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.299	10:37
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.300	10:38
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.300	10:39
BLANK TEST	0.000	10:40

Average = 0.2998
Std Dev = 0.0004



DIAGNOSTIC RECORD

 Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 05/16/2023
 Time: 09:43:10

VERSIONS
 DMT: 3.02
 PIC: 3.03
 Modem: 2.6
 Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.74 V	PASSED
(1.00 V - 2.32 V)	
Cooler Voltage = 1.63 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 = 29.9 in	

PUMP INFO

Flow Rate = 4.570 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.009 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 = 0.084 0.93% (0.00% - 4.00%)	

In House Instrument QA
 TLM 05/16/2023

Technician Screen

DATAMASTER dmt: 100399

Date: 05/16/2023
Time: 9:45 AM

Temperatures (°C)
Sample Cell: 48.9°C
Breath Tube: 48.1°C

Current Barometer 29.9 in
Volume (Ltr) 0.00

Settings
Lamp: 1.74 V
Bias: 81 V
Cooler: 1.63 V
Chopper: 524 Hz

Voltages (V)
Flow: 1.06 V
Detector: 0.067 V

LINEARITY CHECK

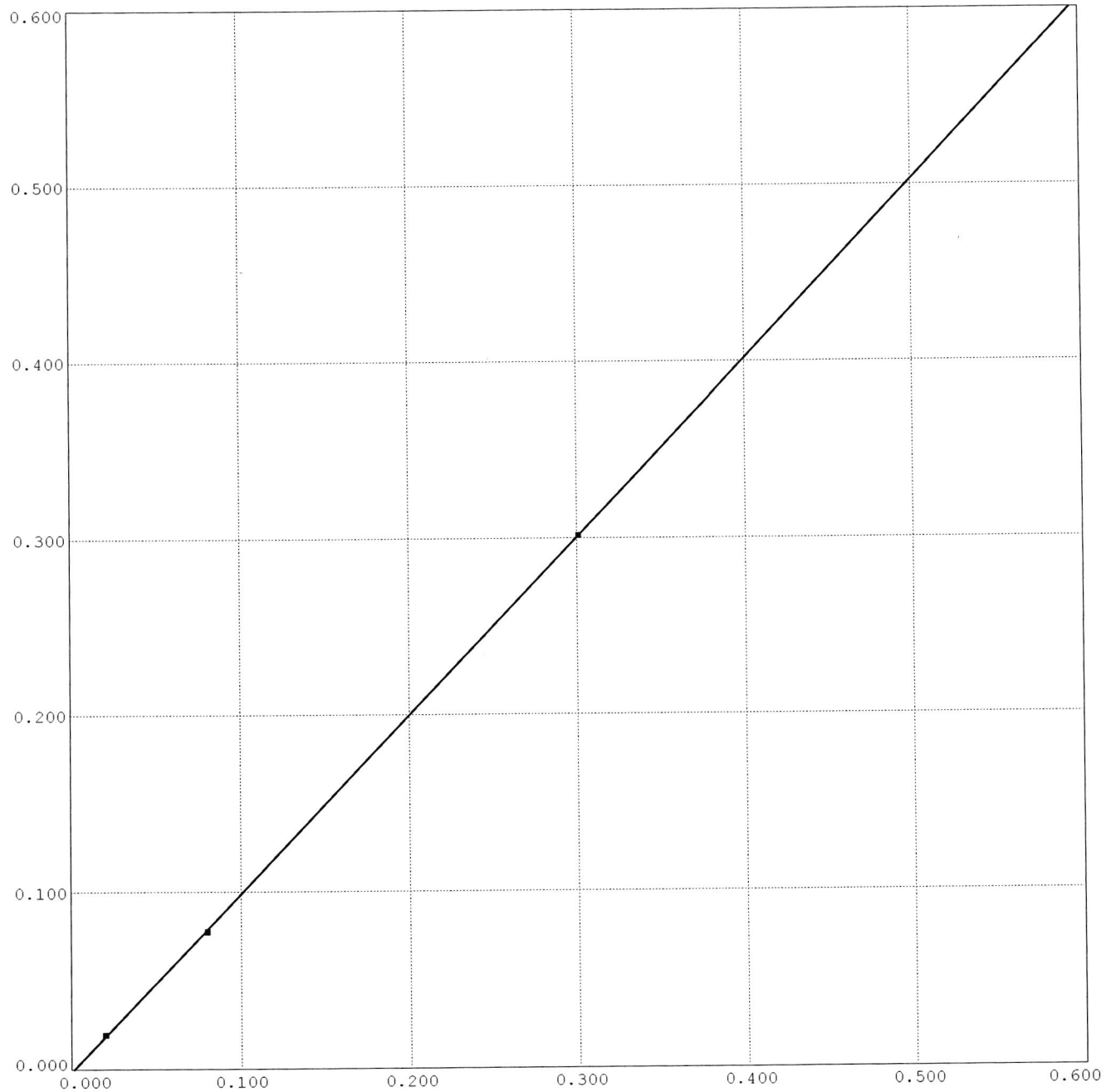
Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 05/16/2023
Time: 09:45:49

SUPERVISOR NAME:
TATIANA MALNOSKE
OPERATOR'S #: 10437

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.080	0.0784	0.0019
0.300	0.3022	0.0004

SLOPE = 1.010399
R² = 0.999942



TLM

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100399

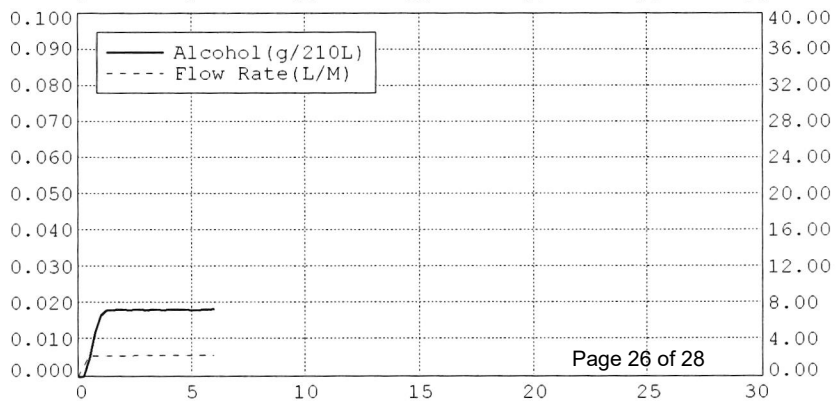
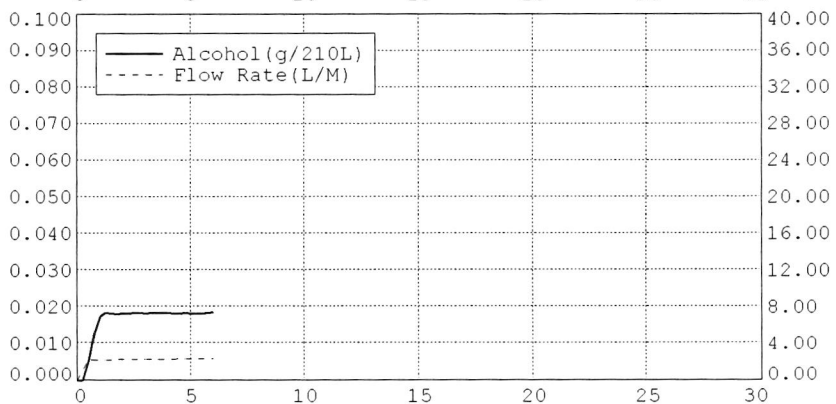
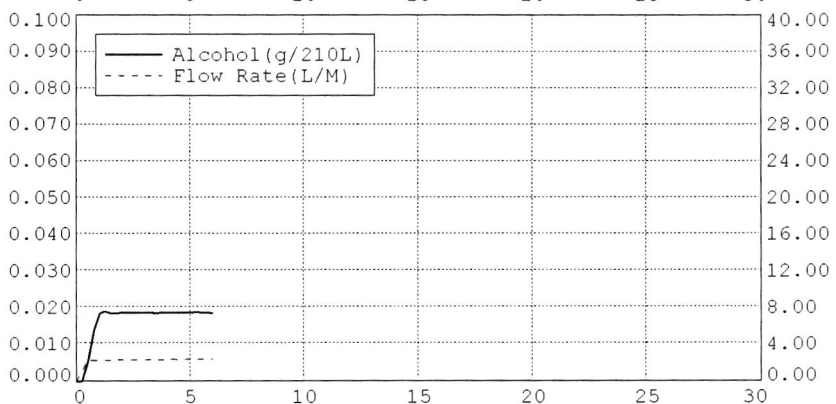
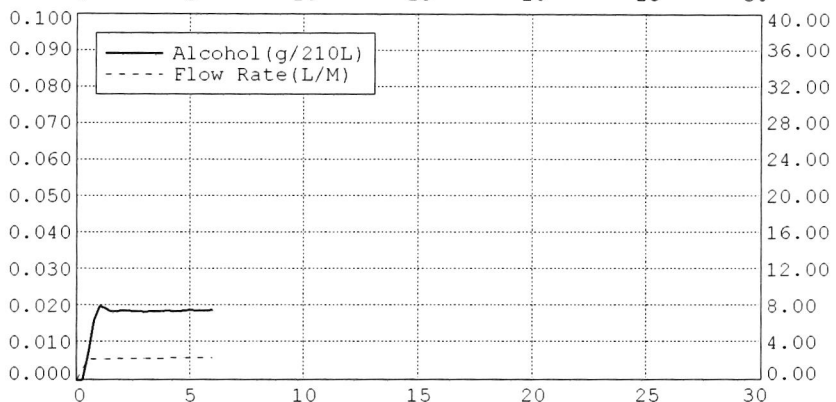
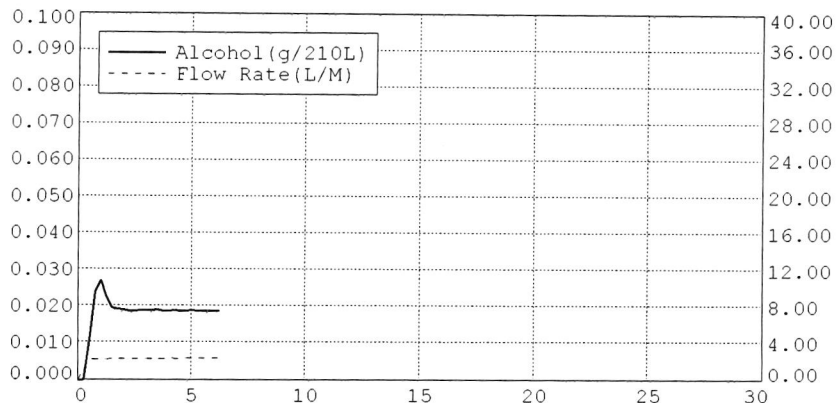
Date: 05/16/2023
Time: 09:45:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.89: 0.020
LOT #: AG217902
EXPIRATION: 06/28/2024
TANK PRESSURE: 963 psi

BLANK TEST	0.000	09:47
INTERNAL STANDARD	VERIFIED	09:47
EXTERNAL STANDARD	0.020	09:47
BLANK TEST	0.000	09:48
EXTERNAL STANDARD	0.020	09:48
BLANK TEST	0.000	09:49
EXTERNAL STANDARD	0.020	09:49
BLANK TEST	0.000	09:50
EXTERNAL STANDARD	0.020	09:50
BLANK TEST	0.000	09:51
EXTERNAL STANDARD	0.020	09:51
BLANK TEST	0.000	09:52

Average = 0.0200
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100399

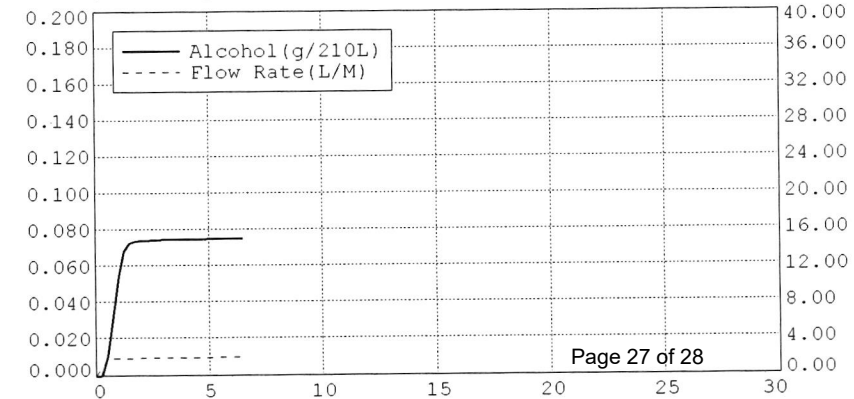
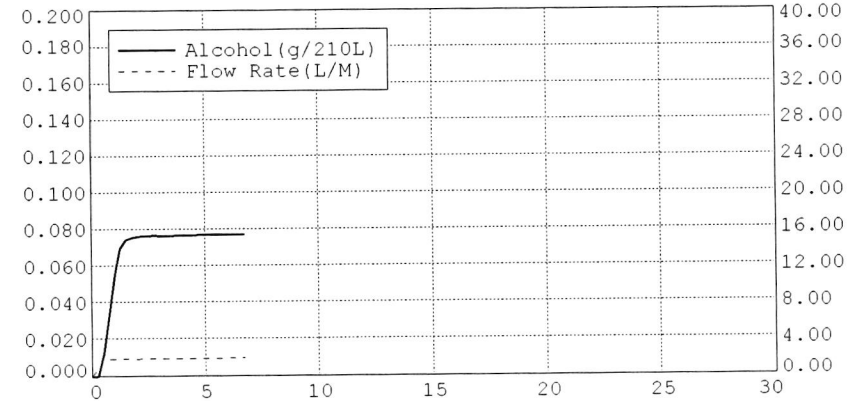
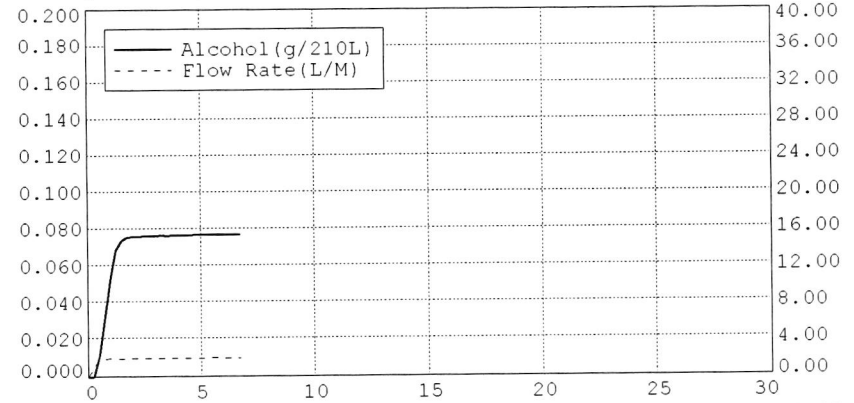
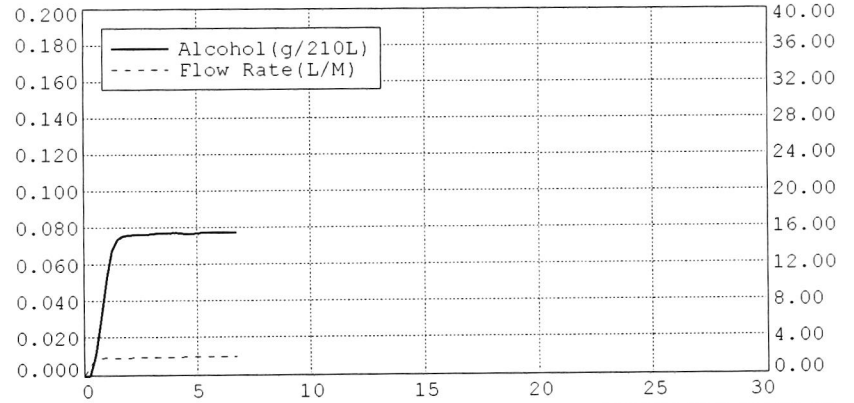
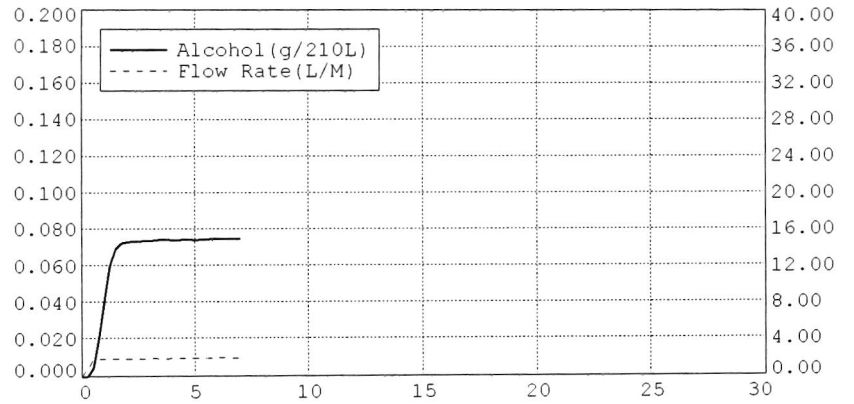
Date: 05/16/2023
Time: 10:21:49

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.88: 0.080
LOT #: AG135004
EXPIRATION: 12/16/2023
TANK PRESSURE: 265 psi

BLANK TEST	0.000	10:22
INTERNAL STANDARD	VERIFIED	10:22
EXTERNAL STANDARD	0.076	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.079	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.081	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.079	10:26
BLANK TEST	0.000	10:27
EXTERNAL STANDARD	0.077	10:27
BLANK TEST	0.000	10:28

Average = 0.0784
Std Dev = 0.0019



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 05/16/2023
Time: 10:32:56

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.89: 0.300
LOT #: AG217903
EXPIRATION: 06/28/2024
TANK PRESSURE: 346 psi

BLANK TEST	0.000	10:33
INTERNAL STANDARD	VERIFIED	10:34
EXTERNAL STANDARD	0.302	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.302	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.302	10:36
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.302	10:37
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.303	10:39
BLANK TEST	0.000	10:40

Average = 0.3022
Std Dev = 0.0004

