



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:** 22-Oct-2016

**Lot #** AG629304 **Model** 108cacc

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
19-Oct-2018	108	Ethanol Nitrogen	0.100 ± 2% BrAC (260 ppm) Balance

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

<u>Serial No.</u>	<u>Concentration</u>	<u>Serial No.</u>	<u>Concentration</u>
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010595	208.9 ppm
EB0010561	103.7 ppm	EB0010562	104.9 ppm
EB0010681	52.22 ppm	EB0010579	52.94 ppm

**Analytical Method:** NDIR

Digitally signed by Quality Control  
Date: 2016.10.24 10:18:07 -05:00  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

Approved for Release: \_\_\_\_\_

Rod Marsala

ISO 17025:2005 A2LA accredited. Certificate Number 2989.01

SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100348

Date: 01/26/2017  
 Time: 07:15:50

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.100  
 TARGET AT 28.75: 0.096  
 TANK PRESSURE: 1220 psi

BLANK TEST	0.000	07:16
INTERNAL STANDARD	VERIFIED	07:16
EXTERNAL STANDARD	0.093	07:17
BLANK TEST	0.000	07:18
EXTERNAL STANDARD	0.093	07:18
BLANK TEST	0.000	07:19
EXTERNAL STANDARD	0.093	07:19
BLANK TEST	0.000	07:20
EXTERNAL STANDARD	0.094	07:20
BLANK TEST	0.000	07:21
EXTERNAL STANDARD	0.094	07:21
BLANK TEST	0.000	07:22

Average = 0.0934  
 Std Dev = 0.0005

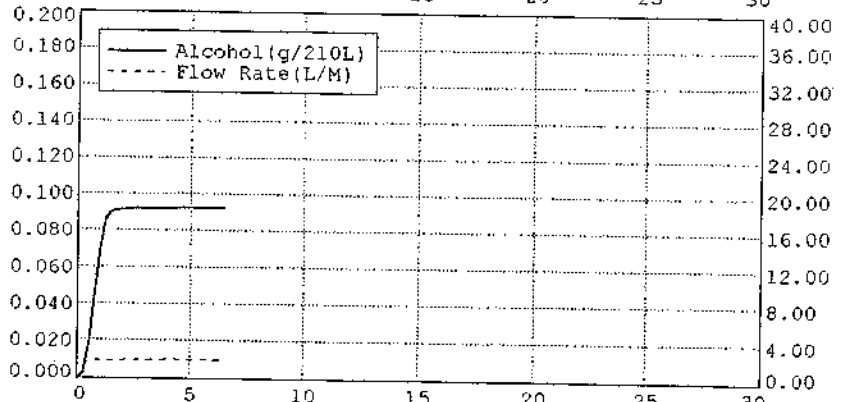
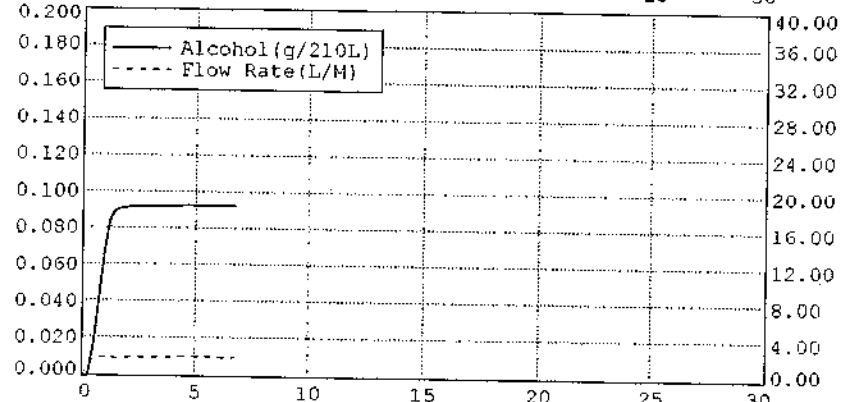
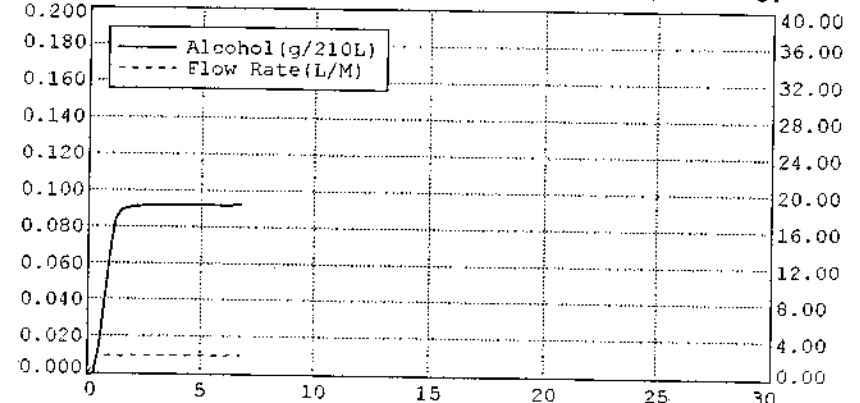
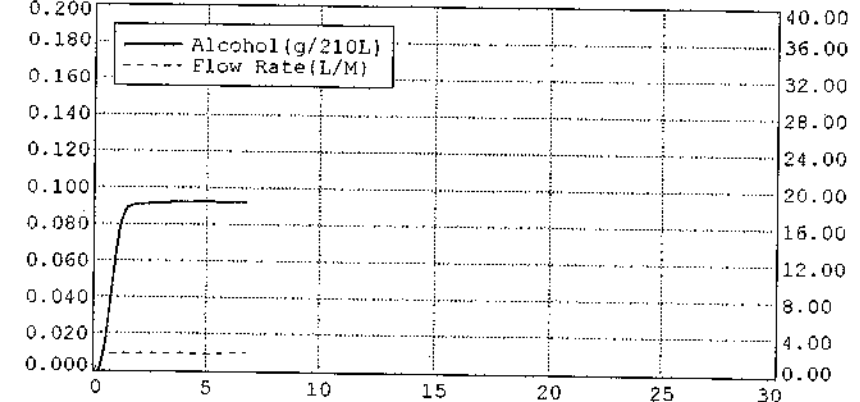
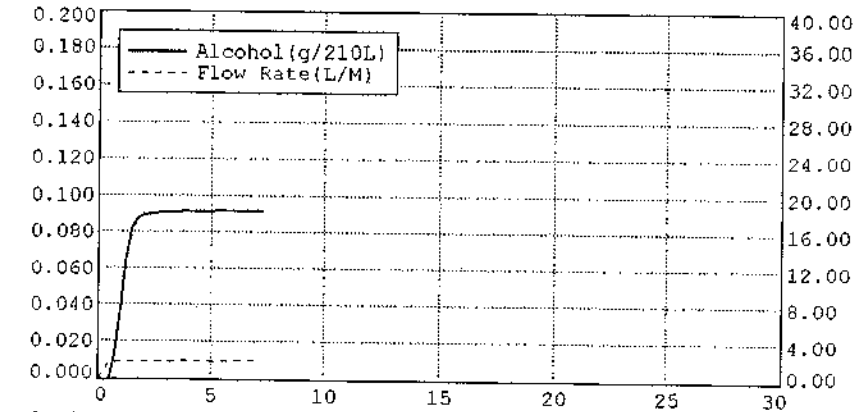
Lot# AG629304 (1)

Exp: 10/19/18

BMB 1/26/17

0.0934  
 0.0970  
 0.0970

Avg = 0.096 BMB  
 Target = 0.096 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100411

Date: 01/26/2017  
 Time: 07:13:34

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.100  
 TARGET AT 28.79: 0.096  
 TANK PRESSURE: 1218 psi

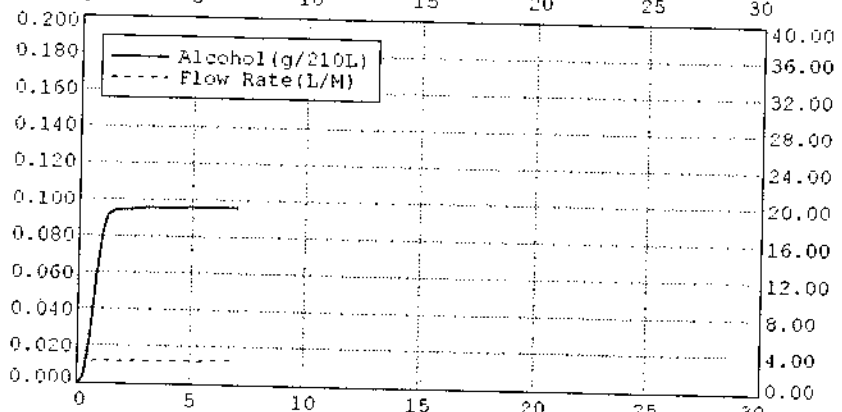
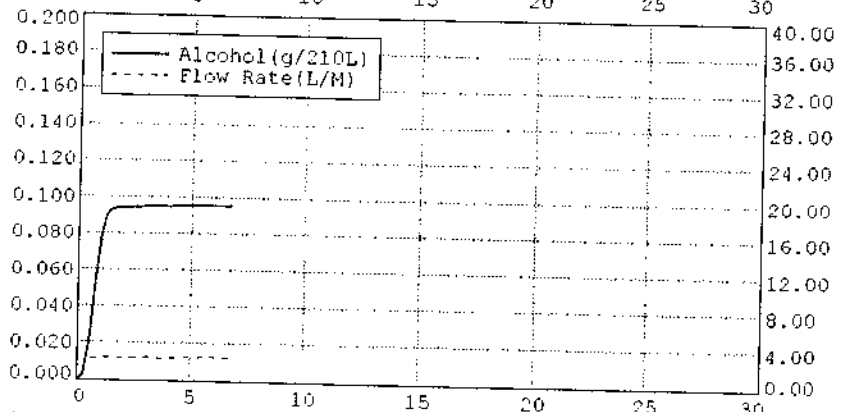
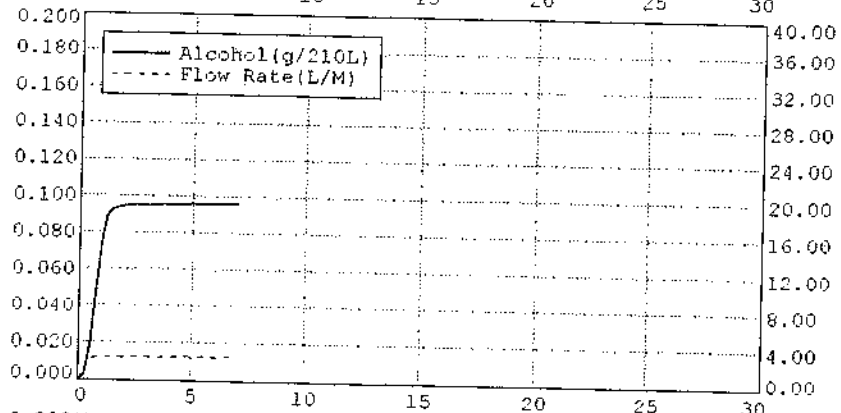
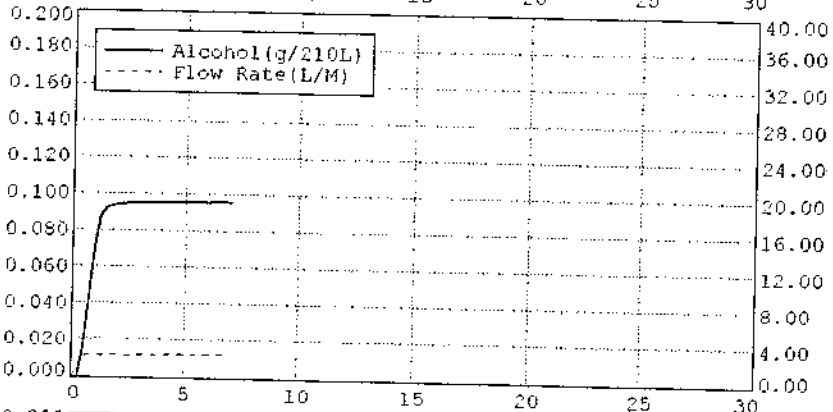
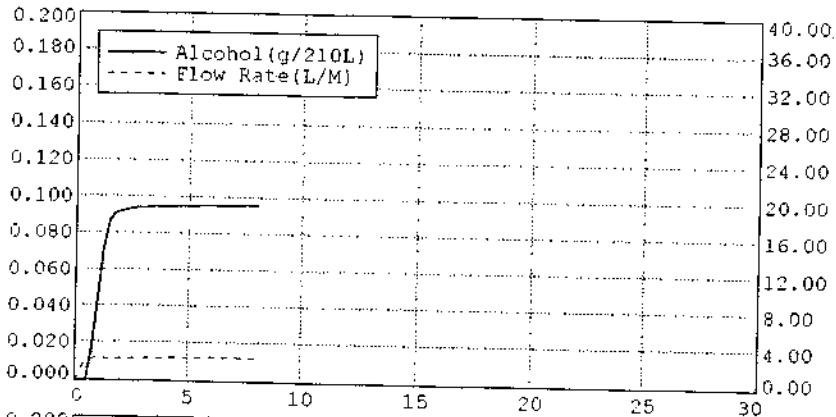
BLANK TEST	0.000	07:14
INTERNAL STANDARD	VERIFIED	07:14
EXTERNAL STANDARD	0.097	07:15
BLANK TEST	0.000	07:16
EXTERNAL STANDARD	0.097	07:16
BLANK TEST	0.000	07:17
EXTERNAL STANDARD	0.097	07:17
BLANK TEST	0.000	07:18
EXTERNAL STANDARD	0.097	07:18
BLANK TEST	0.000	07:19
EXTERNAL STANDARD	0.097	07:19
BLANK TEST	0.000	07:20

Average = 0.0970  
 Std Dev = 0.0000

Lot # AG 629304 (1)

Exp: 10/19/18

BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 01/26/2017  
 Time: 07:17:20

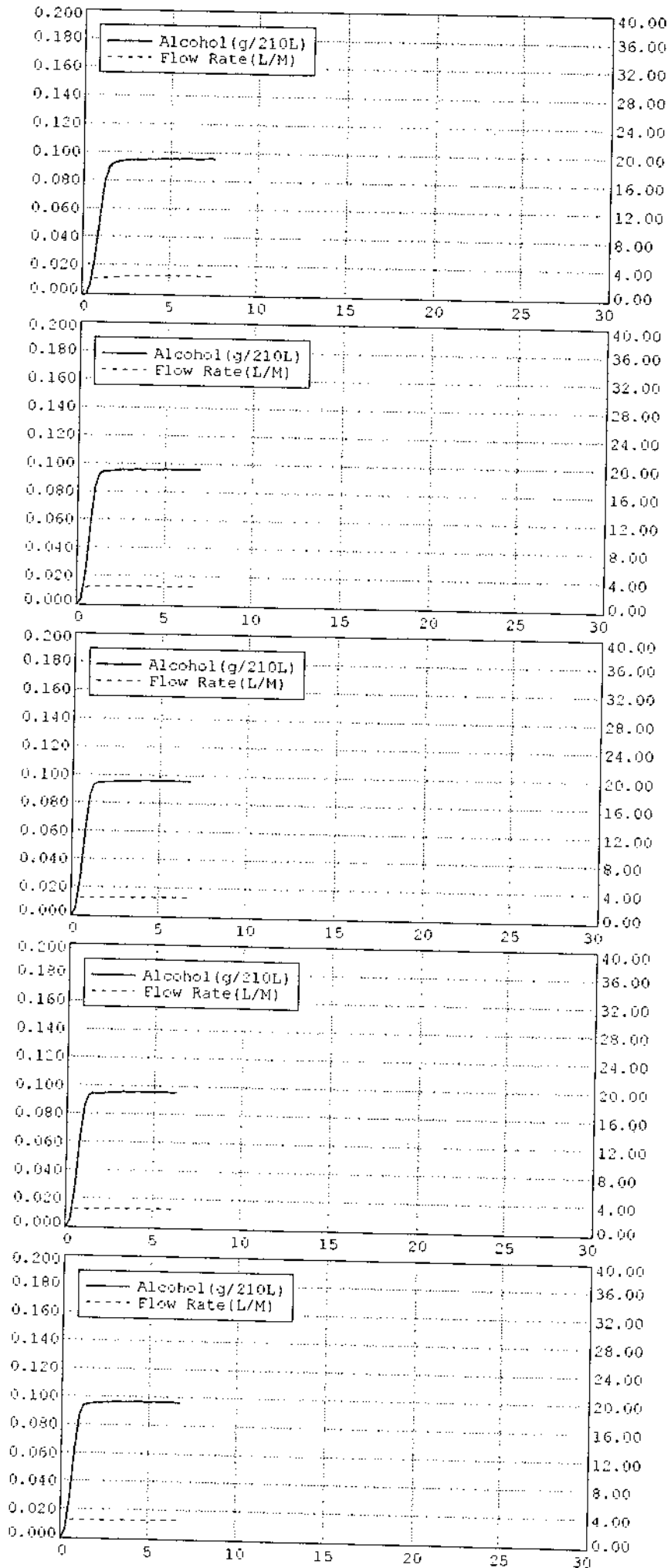
SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.100  
 TARGET AT 28.77: 0.096  
 TANK PRESSURE: 1218 psi

BLANK TEST	0.000	07:18
INTERNAL STANDARD	VERIFIED	07:18
EXTERNAL STANDARD	0.097	07:19
BLANK TEST	0.000	07:20
EXTERNAL STANDARD	0.097	07:20
BLANK TEST	0.000	07:21
EXTERNAL STANDARD	0.097	07:21
BLANK TEST	0.000	07:22
EXTERNAL STANDARD	0.097	07:22
BLANK TEST	0.000	07:23
EXTERNAL STANDARD	0.097	07:23
BLANK TEST	0.000	07:24

Average = 0.0970  
 Std Dev = 0.0000

Lot # AG629304 (1)  
 Exp: 10/19/18  
 BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100411

Date: 01/26/2017  
 Time: 07:54:38

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 28.76: 0.096  
 TANK PRESSURE: 1202 psi

BLANK TEST	0.000	07:55
INTERNAL STANDARD	VERIFIED	07:55
EXTERNAL STANDARD	0.096	07:56
BLANK TEST	0.000	07:57
EXTERNAL STANDARD	0.096	07:57
BLANK TEST	0.000	07:58
EXTERNAL STANDARD	0.097	07:58
BLANK TEST	0.000	07:59
EXTERNAL STANDARD	0.097	07:59
BLANK TEST	0.000	08:00
EXTERNAL STANDARD	0.097	08:00
BLANK TEST	0.000	08:01

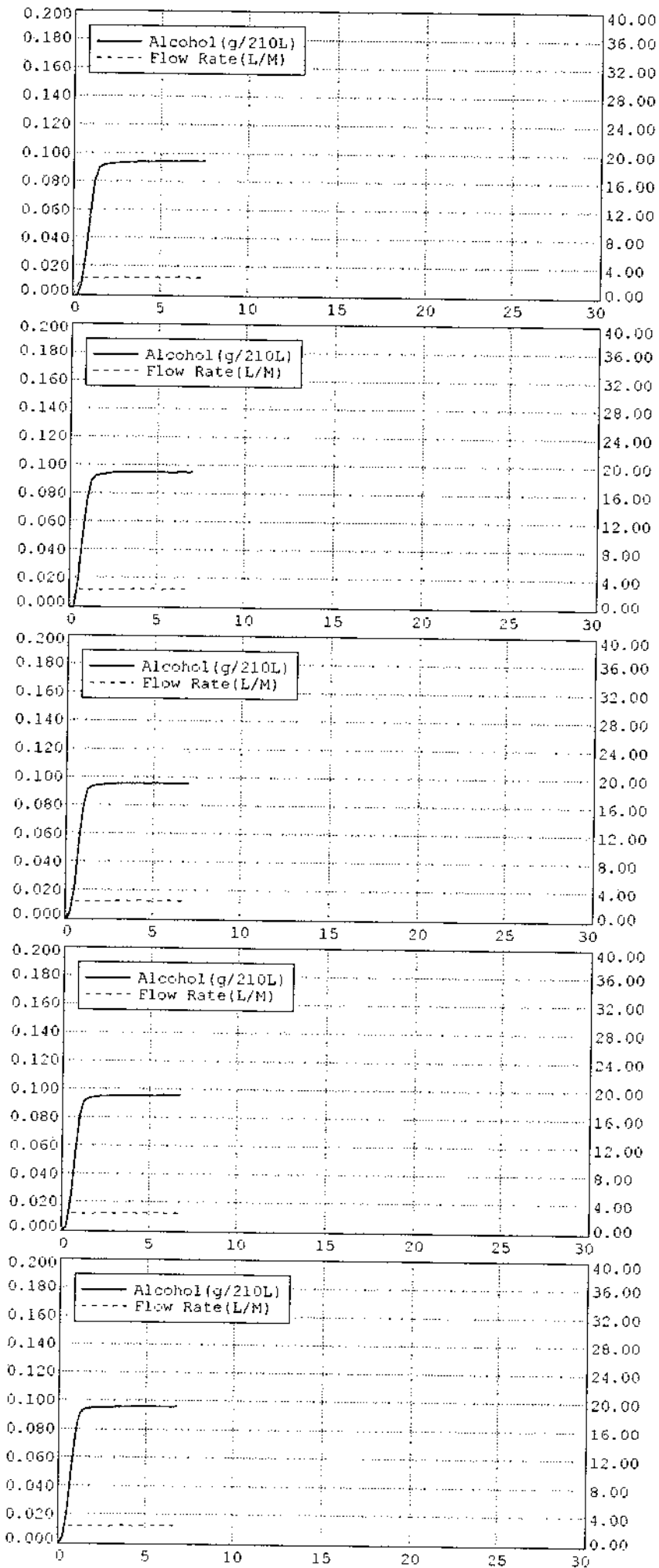
Average = 0.0966  
 Std Dev = 0.0005

Lot# AG629304 (2)  
 Exp: 10/19/18  
 BMB 1/26/17

0.0966  
 0.0970  
 0.0932

Avg = 0.096  
 Target = 0.096

BMB  
 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 01/26/2017  
 Time: 07:58:54

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 28.73: 0.096  
 TANK PRESSURE: 1201 psi

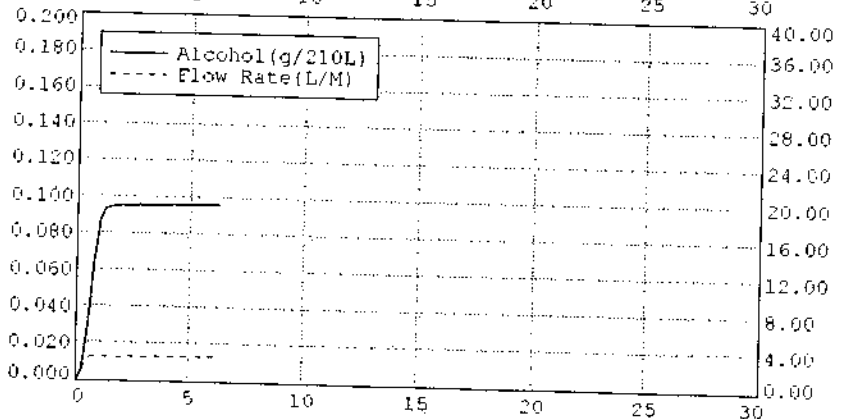
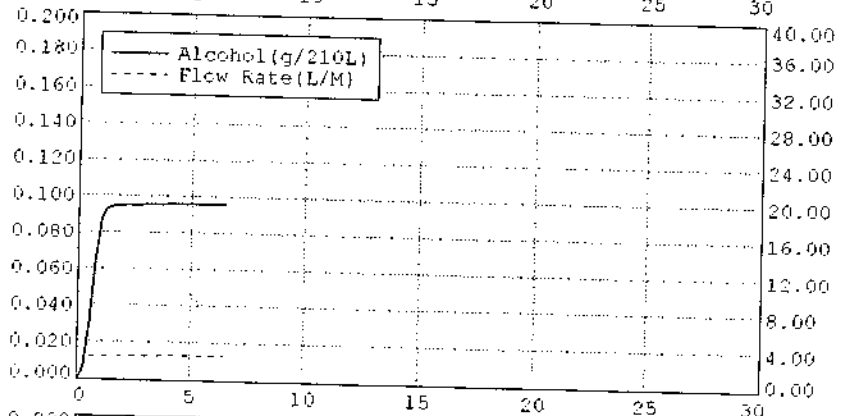
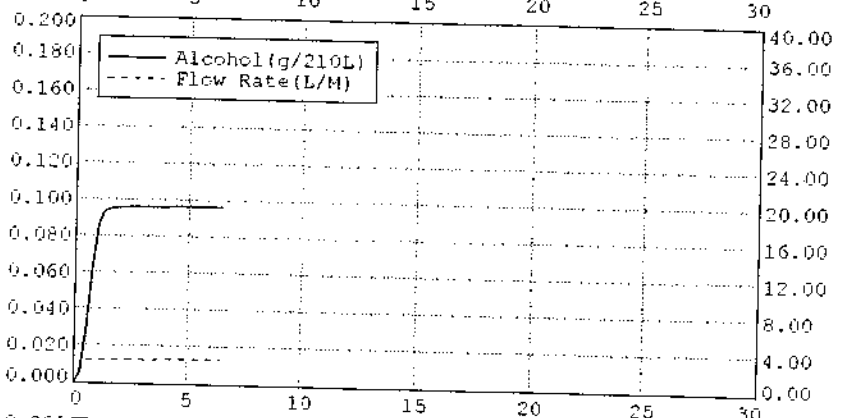
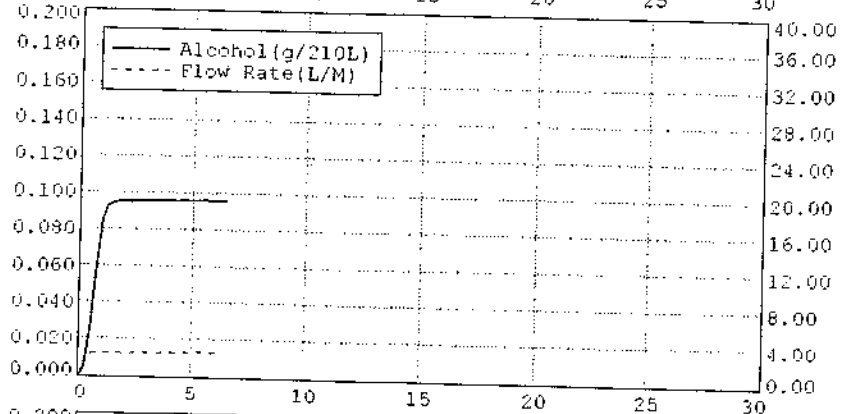
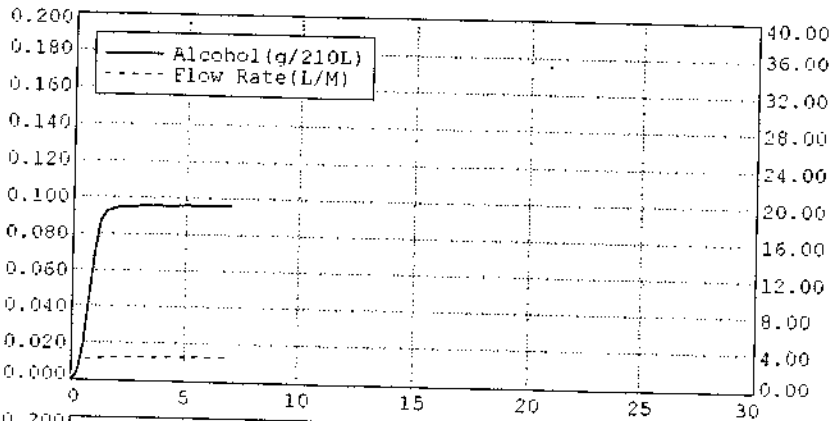
BLANK TEST	0.000	07:59
INTERNAL STANDARD	VERIFIED	08:00
EXTERNAL STANDARD	0.097	08:00
BLANK TEST	0.000	08:01
EXTERNAL STANDARD	0.097	08:01
BLANK TEST	0.000	08:02
EXTERNAL STANDARD	0.097	08:02
BLANK TEST	0.000	08:03
EXTERNAL STANDARD	0.097	08:03
BLANK TEST	0.000	08:04
EXTERNAL STANDARD	0.097	08:04
BLANK TEST	0.000	08:05

Average = 0.0970  
 Std Dev = 0.0000

Lot # AG629304 (2)

Exp: 10/19/18

BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100348

Date: 01/26/2017  
 Time: 07:56:27

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

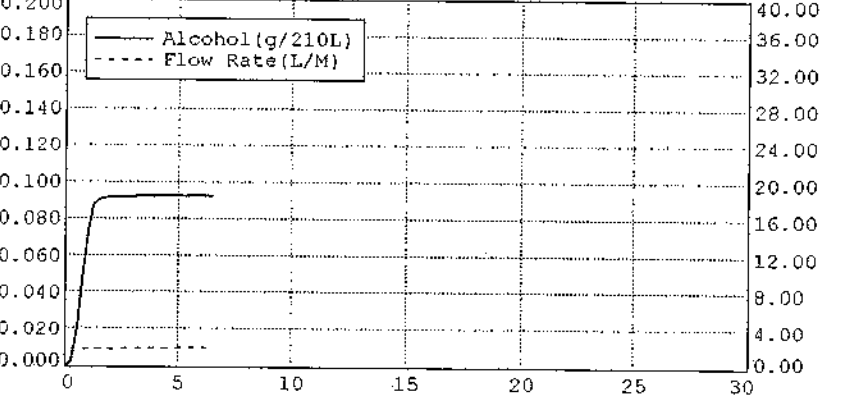
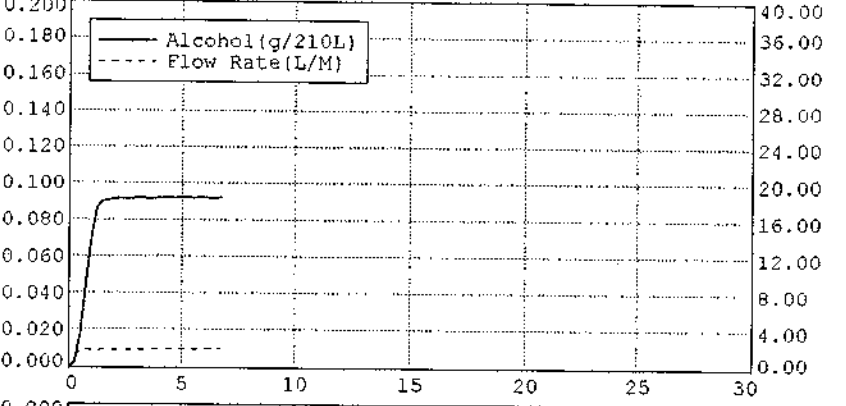
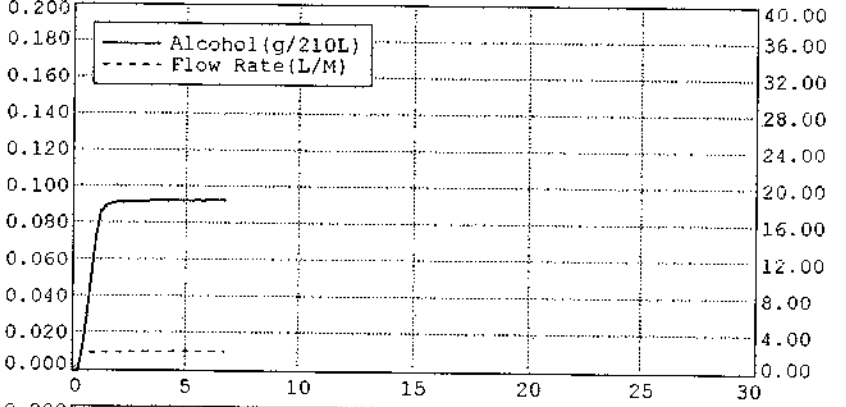
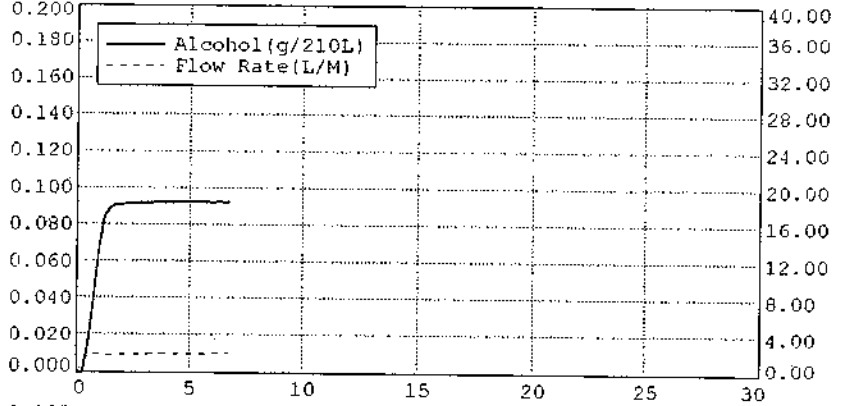
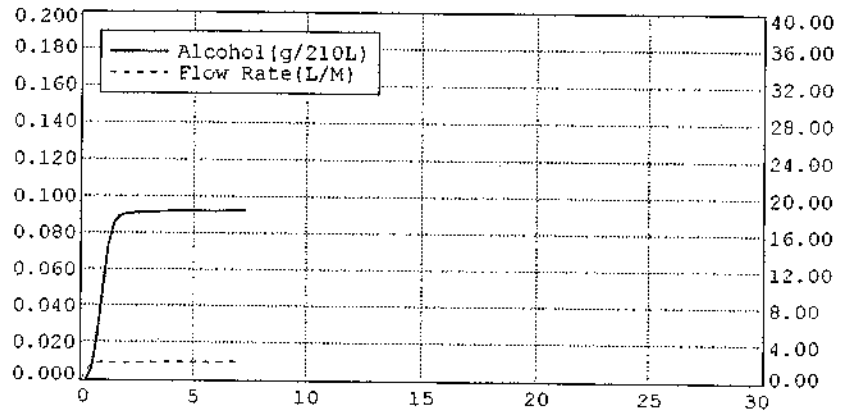
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 28.73: 0.096  
 TANK PRESSURE: 1206 psi

BLANK TEST	0.000	07:57
INTERNAL STANDARD	VERIFIED	07:57
EXTERNAL STANDARD	0.093	07:58
BLANK TEST	0.000	07:59
EXTERNAL STANDARD	0.093	07:59
BLANK TEST	0.000	08:00
EXTERNAL STANDARD	0.093	08:00
BLANK TEST	0.000	08:01
EXTERNAL STANDARD	0.093	08:01
BLANK TEST	0.000	08:02
EXTERNAL STANDARD	0.094	08:02
BLANK TEST	0.000	08:03

Average = 0.0932  
 Std Dev = 0.0004

Lot # AG629304 (2)  
 Exp: 10/19/18  
 BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 01/26/2017  
 Time: 08:11:53

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 28.73: 0.096  
 TANK PRESSURE: 1182 psi

BLANK TEST	0.000	08:13
INTERNAL STANDARD	VERIFIED	08:13
EXTERNAL STANDARD	0.098	08:13
BLANK TEST	0.000	08:14
EXTERNAL STANDARD	0.097	08:14
BLANK TEST	0.000	08:15
EXTERNAL STANDARD	0.097	08:15
BLANK TEST	0.000	08:16
EXTERNAL STANDARD	0.097	08:16
BLANK TEST	0.000	08:17
EXTERNAL STANDARD	0.097	08:17
BLANK TEST	0.000	08:18

Average = 0.0972  
 Std Dev = 0.0004

Lot # AG629304 (3)

Exp: 10/19/18

BMB 1/26/17

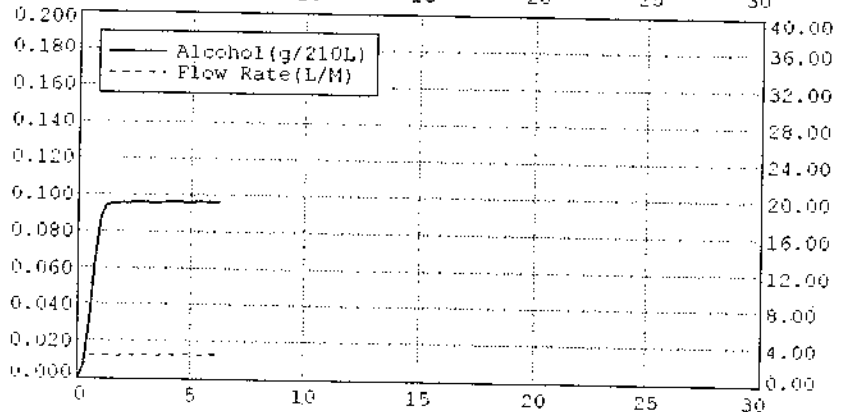
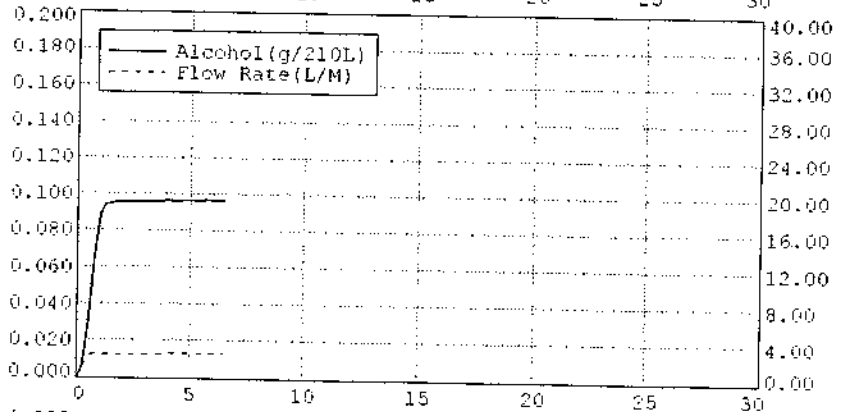
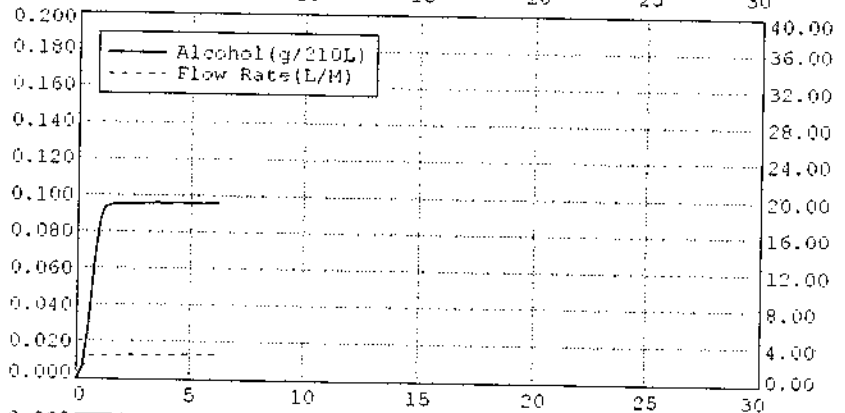
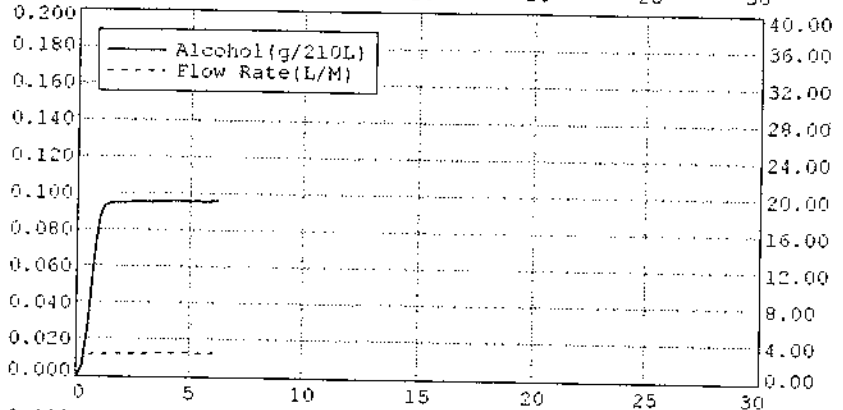
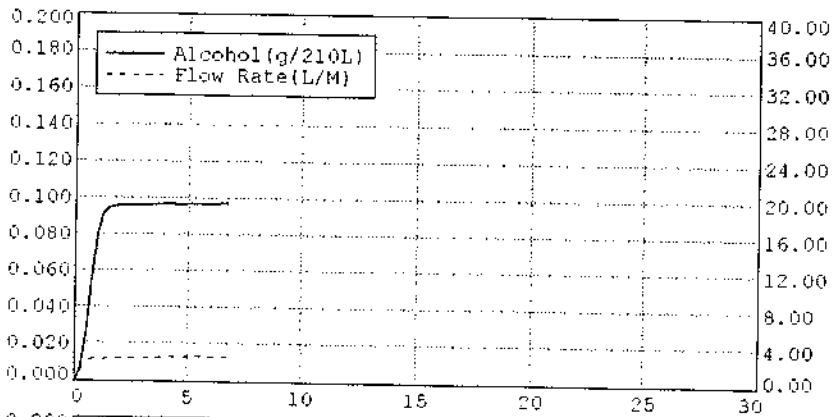
0.0972

0.0938

0.0970

Avg = 0.096

Target 0.096





SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100348

Date: 01/26/2017  
 Time: 08:10:10

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

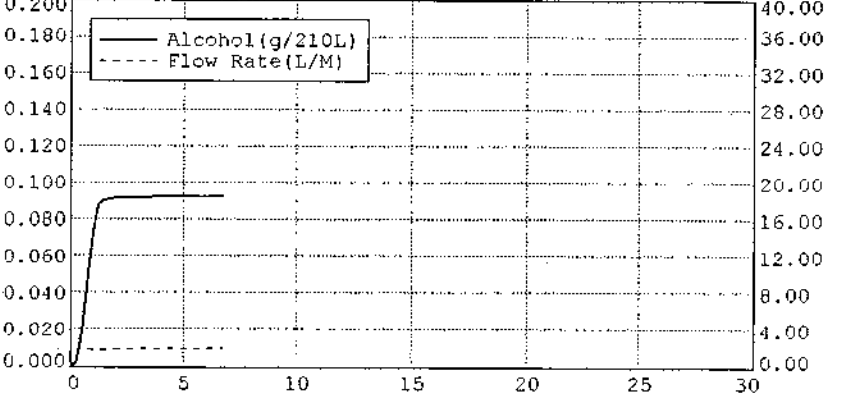
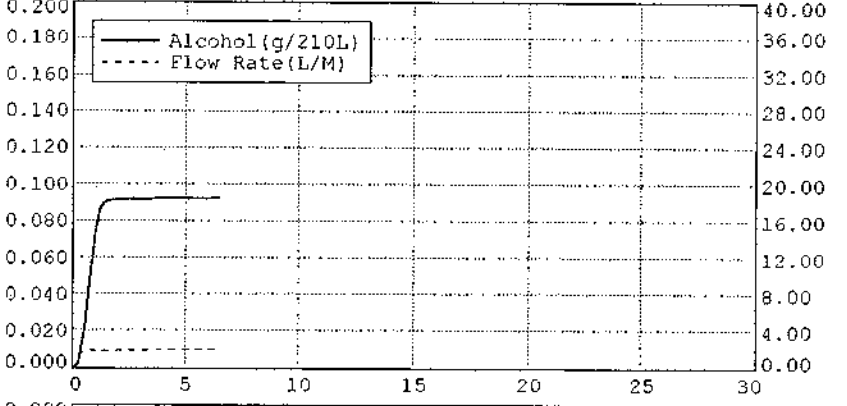
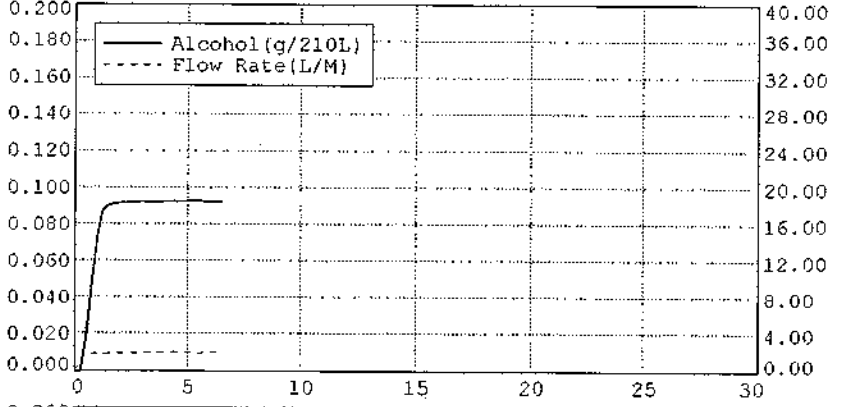
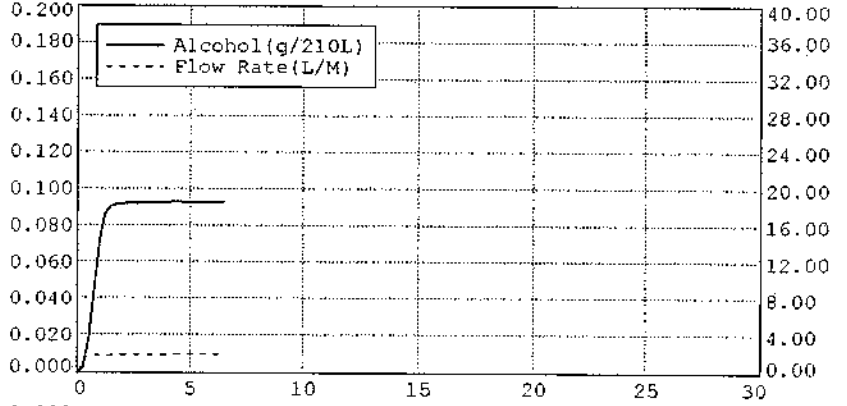
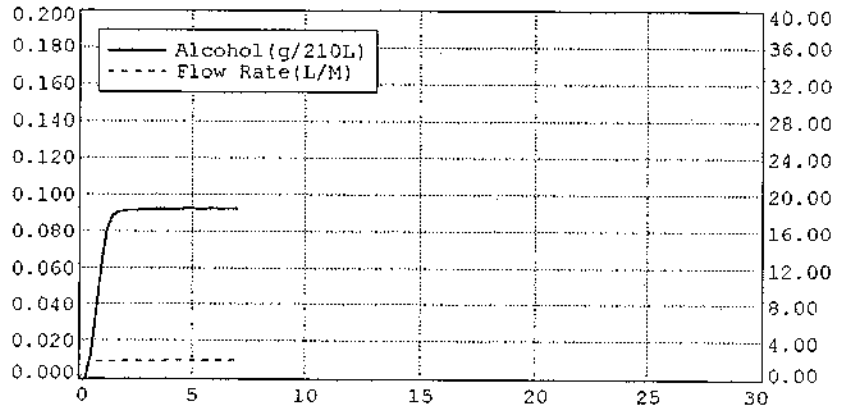
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 28.73: 0.096  
 TANK PRESSURE: 1189 psi

BLANK TEST	0.000	08:11
INTERNAL STANDARD	VERIFIED	08:11
EXTERNAL STANDARD	0.094	08:11
BLANK TEST	0.000	08:12
EXTERNAL STANDARD	0.094	08:12
BLANK TEST	0.000	08:13
EXTERNAL STANDARD	0.094	08:13
BLANK TEST	0.000	08:14
EXTERNAL STANDARD	0.093	08:14
BLANK TEST	0.000	08:15
EXTERNAL STANDARD	0.094	08:15
BLANK TEST	0.000	08:16

Average = 0.0938  
 Std Dev = 0.0004

Lot # AG629304 (3)  
 Exp: 10/19/18  
 BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100411

Date: 01/26/2017  
 Time: 08:07:59

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 28.76: 0.096  
 TANK PRESSURE: 1182 psi

BLANK TEST	0.000	08:09
INTERNAL STANDARD	VERIFIED	08:09
EXTERNAL STANDARD	0.096	08:09
BLANK TEST	0.000	08:10
EXTERNAL STANDARD	0.097	08:10
BLANK TEST	0.000	08:11
EXTERNAL STANDARD	0.097	08:11
BLANK TEST	0.000	08:12
EXTERNAL STANDARD	0.098	08:12
BLANK TEST	0.000	08:13
EXTERNAL STANDARD	0.097	08:13
BLANK TEST	0.000	08:14

Average = 0.0970  
 Std Dev = 0.0007

Lot # AG629304 (3)

Exp: 10/19/18

BMB 1/26/17

