



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: 28-Oct-2016

Lot # AG630101 **Model** 108caccd

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
27-Oct-2018	108	Ethanol Nitrogen	0.040 ± 0.002 BrAC (104.2 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: 2016.10.28 08:24:24 -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: 100353

Date: 01/25/2017
 Time: 13:36:58

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.02: 0.039
 TANK PRESSURE: 1181 psi

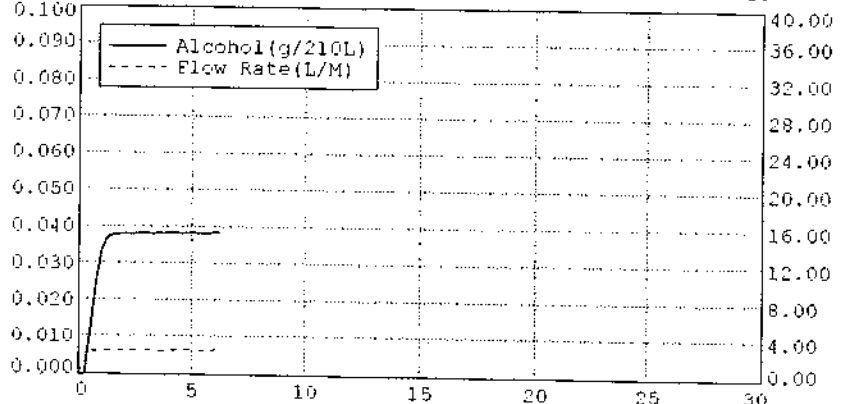
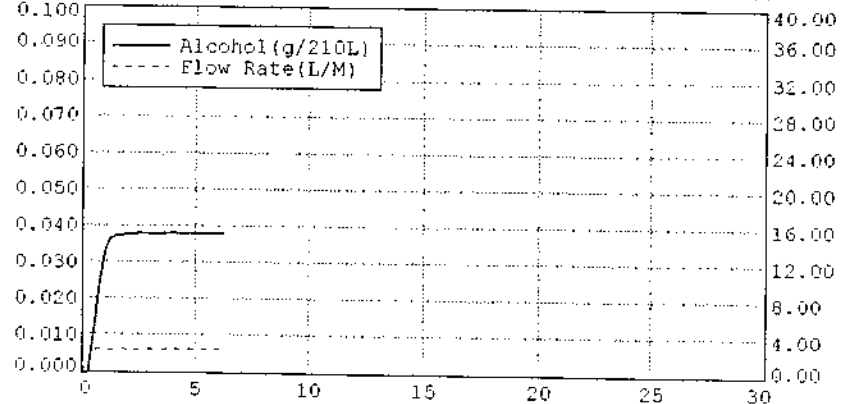
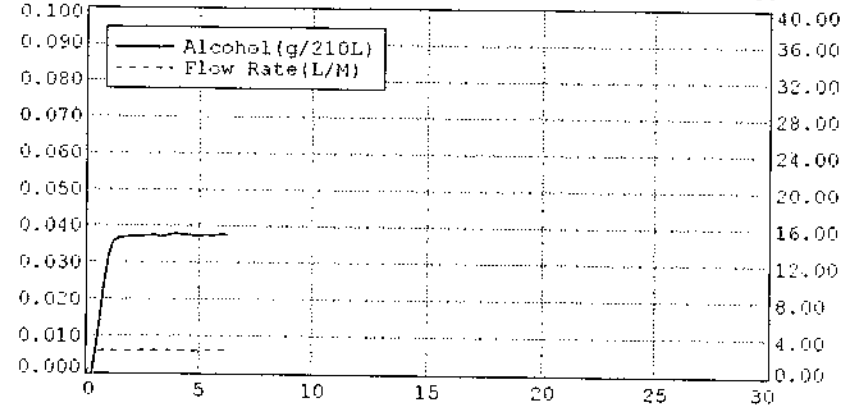
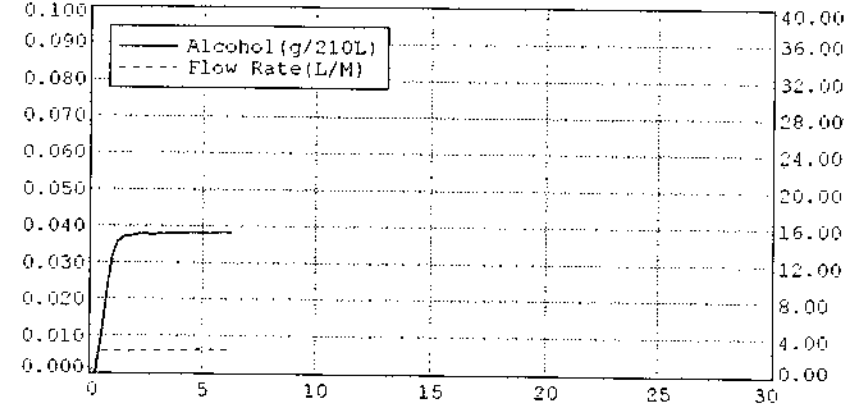
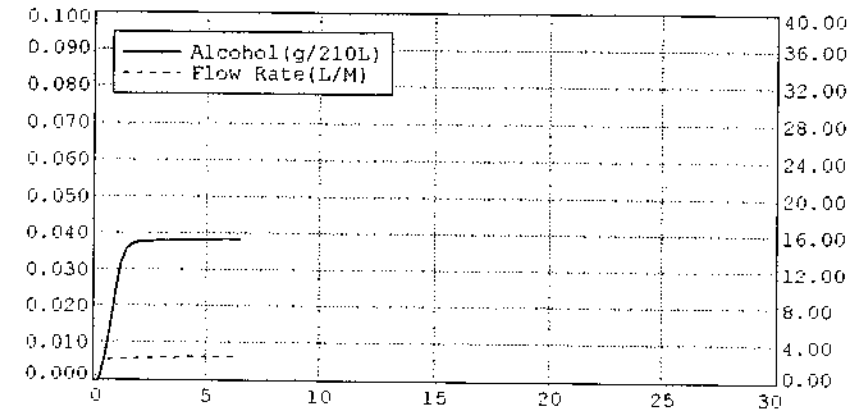
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INTERNAL STANDARD	VERIFIED	13:38
EXTERNAL STANDARD	0.039	13:38
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.039	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.038	13:40
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.039	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.039	13:42
BLANK TEST	0.000	13:43

Average = 0.0388
 Std Dev = 0.0004

AG630101 (3)
 Exp: 10/27/18
 BMB 1/26/17

0.0388
 0.0392
~~0.0376~~ 0.0376
 BMB 1/26/17
 BMB 1/26/17

Avg = 0.039
 Target = 0.039



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100411

Date: 01/25/2017
 Time: 12:43:37

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

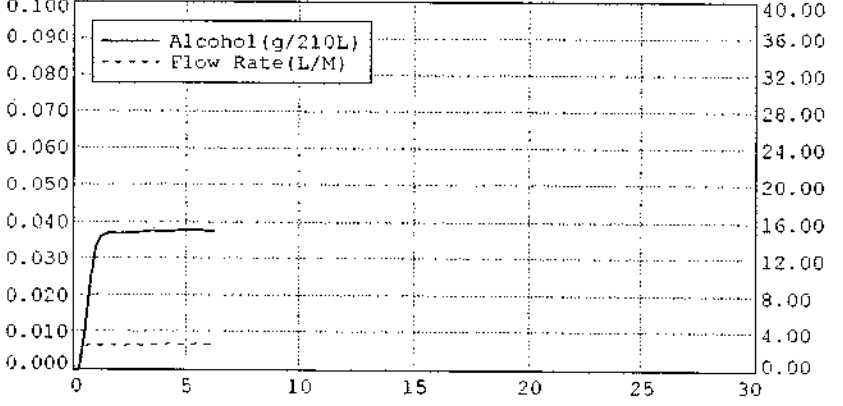
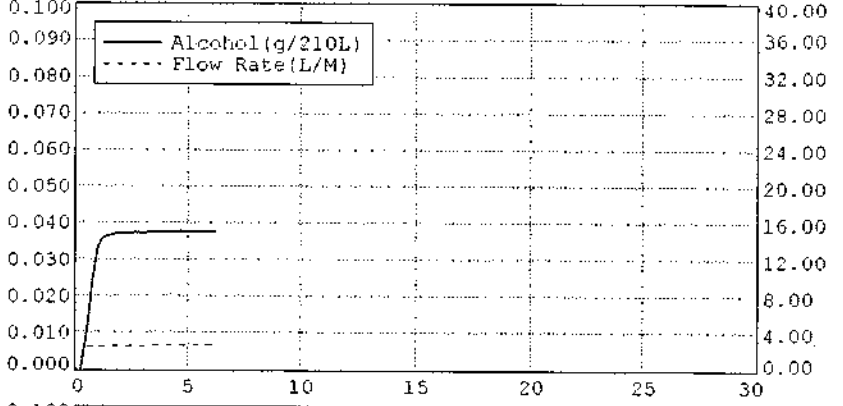
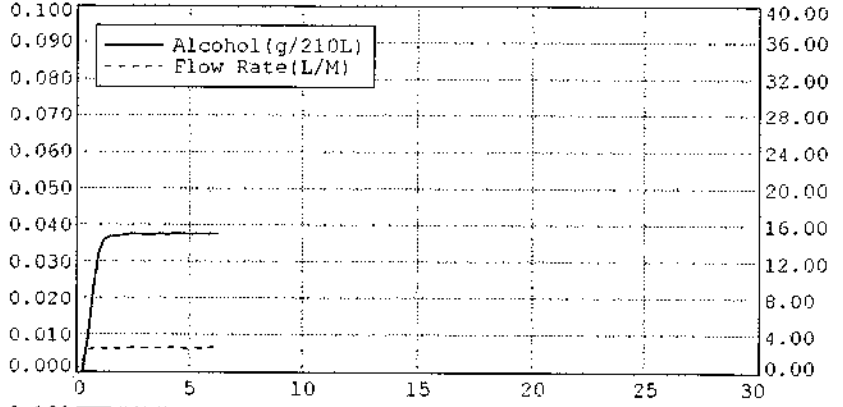
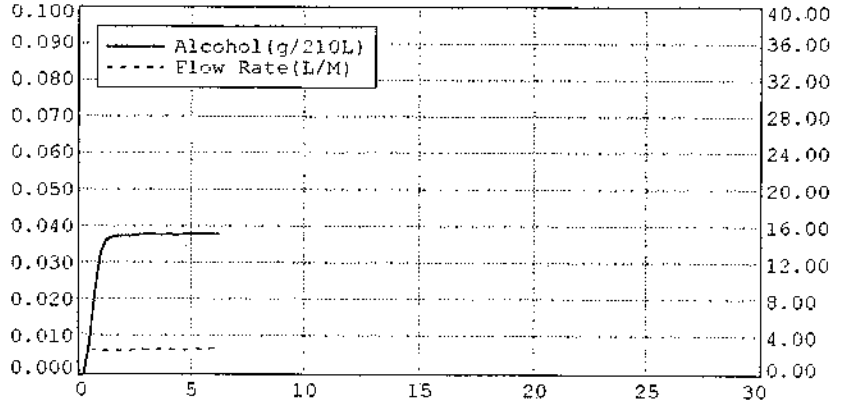
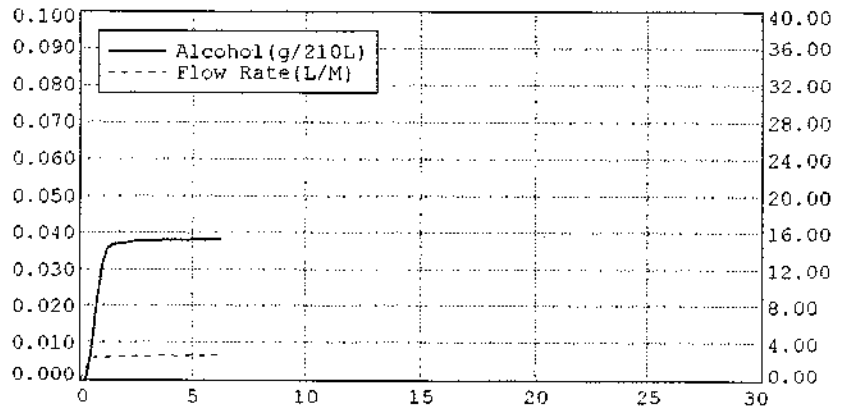
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.03: 0.039
 TANK PRESSURE: 1168 psi

BLANK TEST	0.000	12:44
INTERNAL STANDARD	VERIFIED	12:44
EXTERNAL STANDARD	0.040	12:45
BLANK TEST	0.000	12:46
EXTERNAL STANDARD	0.039	12:46
BLANK TEST	0.000	12:47
EXTERNAL STANDARD	0.039	12:47
BLANK TEST	0.000	12:48
EXTERNAL STANDARD	0.039	12:48
BLANK TEST	0.000	12:49
EXTERNAL STANDARD	0.039	12:49
BLANK TEST	0.000	12:50

Average = 0.0392
 Std Dev = 0.0004

AG630101 (3)
 Exp 10/27/18
 BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100348

Date: 01/25/2017
 Time: 12:56:23

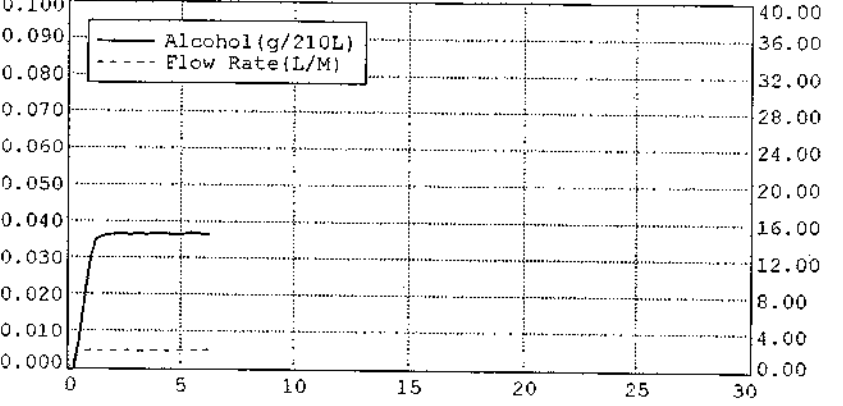
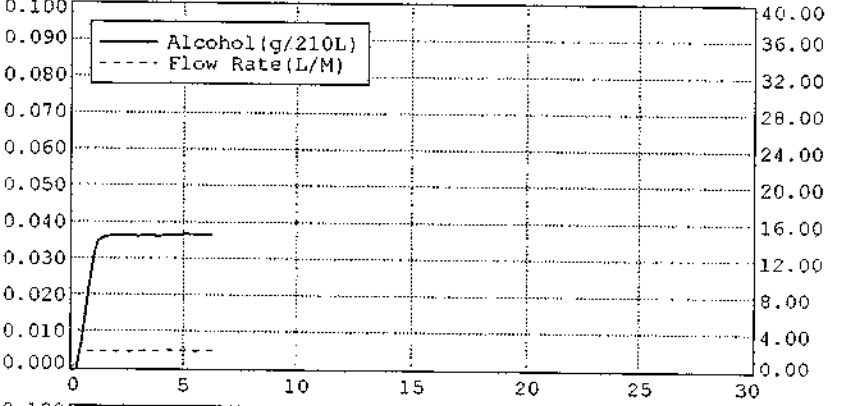
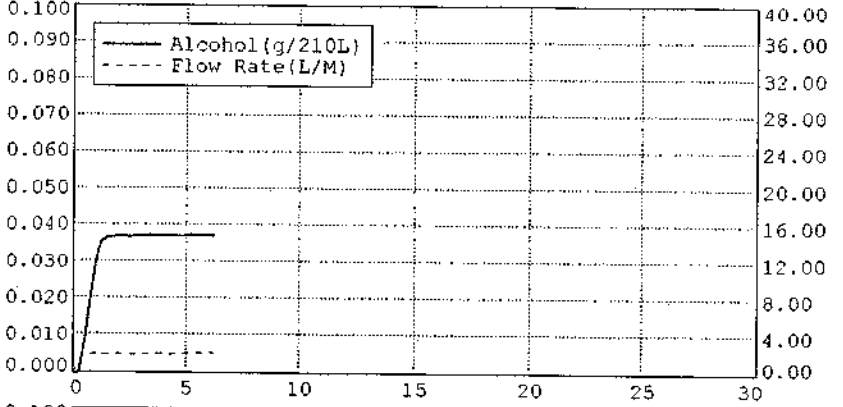
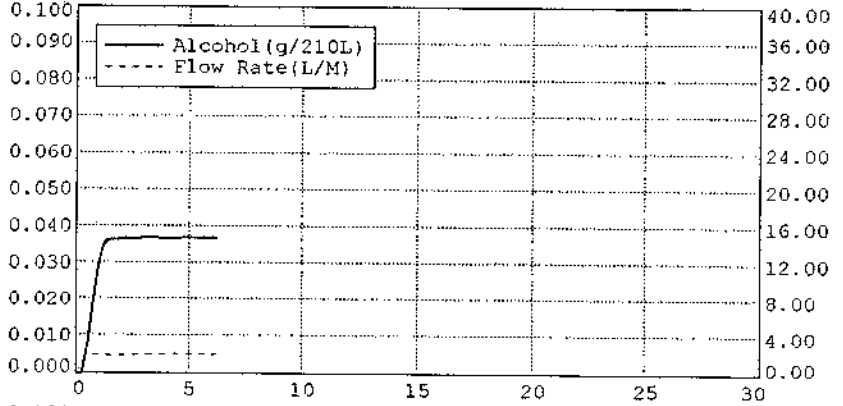
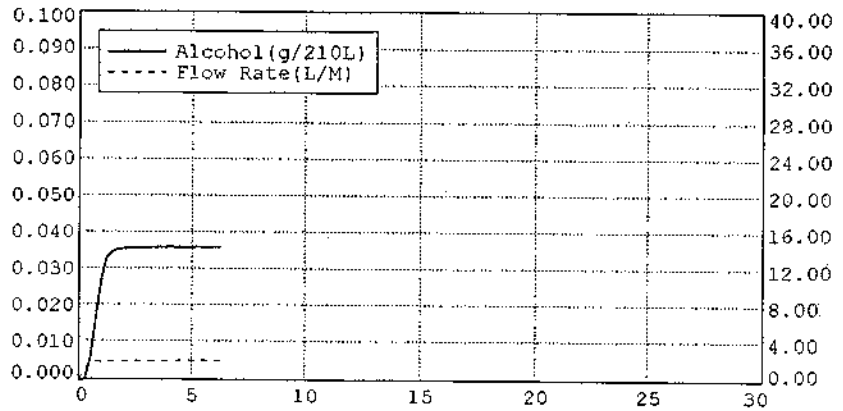
SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.01: 0.039
 TANK PRESSURE: 1156 psi

BLANK TEST	0.000	12:57
INTERNAL STANDARD	VERIFIED	12:57
EXTERNAL STANDARD	0.037	12:57
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.038	12:58
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.038	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.037	13:01
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.038	13:02
BLANK TEST	0.000	13:03

Average = 0.0376
 Std Dev = 0.0005

AG 630101 (3)
 Exp: 10/27/18
 BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100348

Date: 01/25/2017
 Time: 12:35:16

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.00: 0.039
 TANK PRESSURE: 1148 psi

BLANK TEST	0.000	12:36
INTERNAL STANDARD	VERIFIED	12:36
EXTERNAL STANDARD	0.038	12:36
BLANK TEST	0.000	12:37
EXTERNAL STANDARD	0.038	12:37
BLANK TEST	0.000	12:38
EXTERNAL STANDARD	0.038	12:38
BLANK TEST	0.000	12:39
EXTERNAL STANDARD	0.038	12:39
BLANK TEST	0.000	12:40
EXTERNAL STANDARD	0.038	12:41
BLANK TEST	0.000	12:41

Average = 0.0380
 Std Dev = 0.0000

AG630101 (1)

Exp: 10/27/18

BMB 1/26/17

0.0380

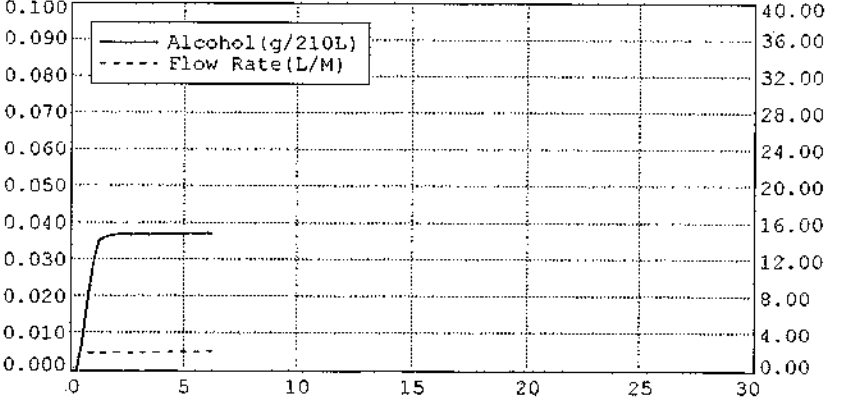
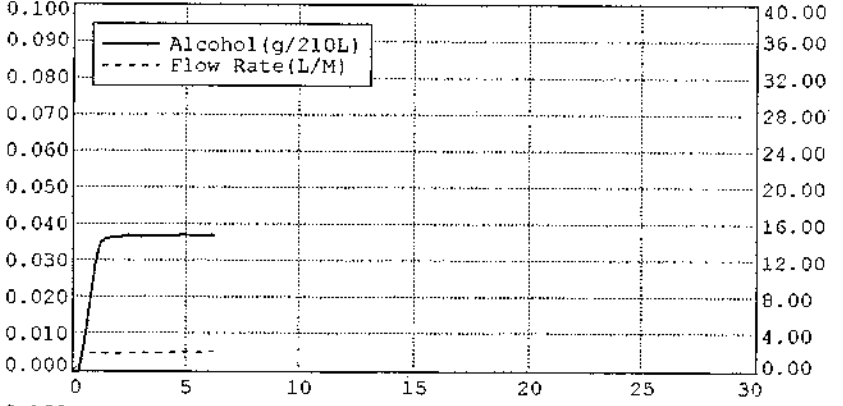
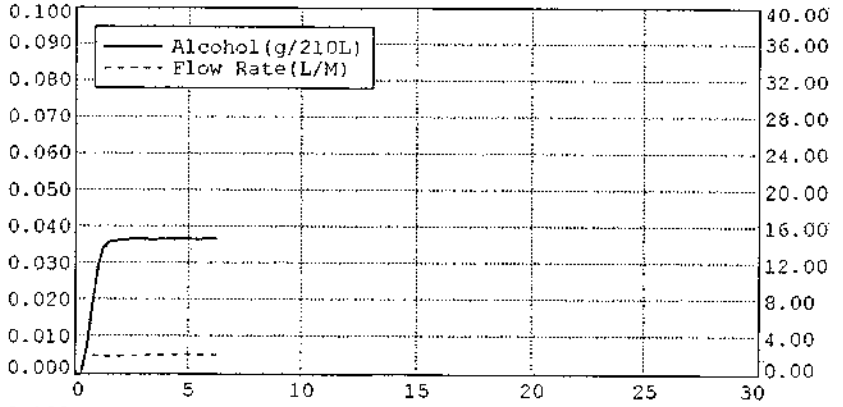
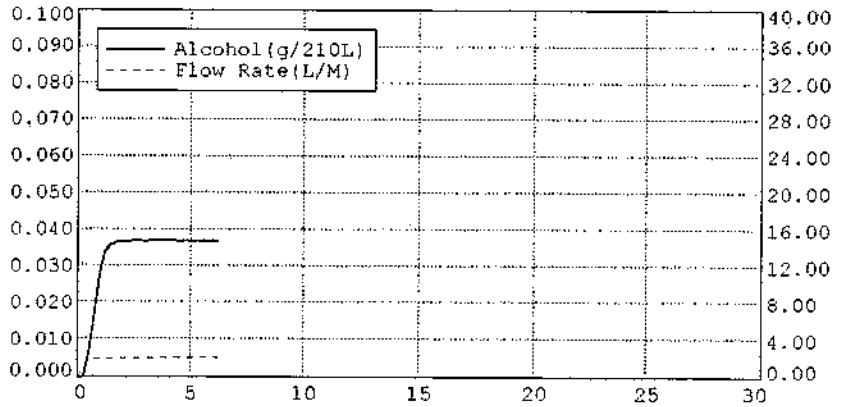
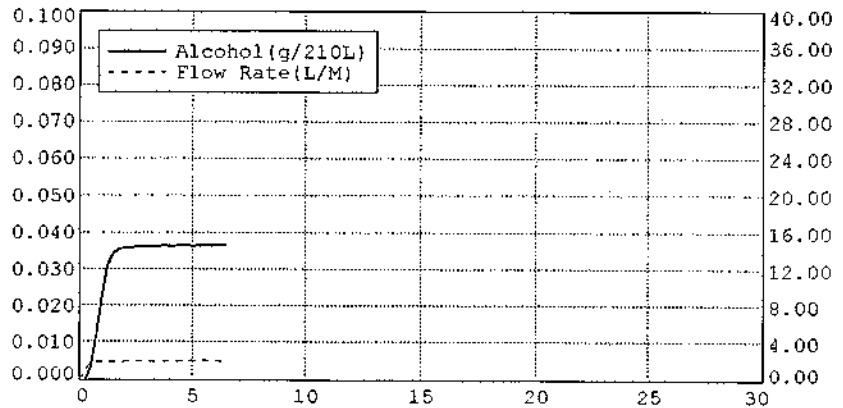
0.0390

0.0396

BMB
 1/26/17

Avg = 0.039

Target = 0.039



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 01/25/2017
 Time: 13:47:55

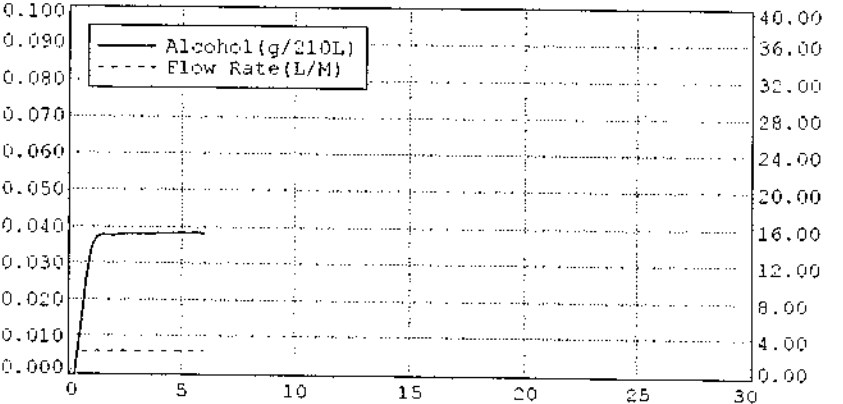
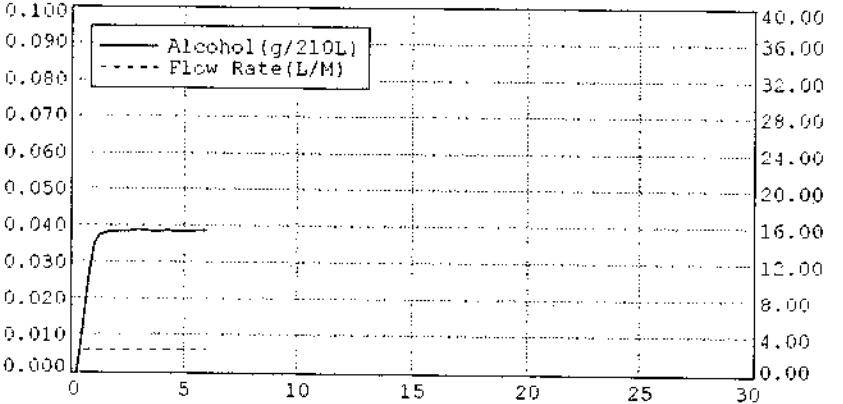
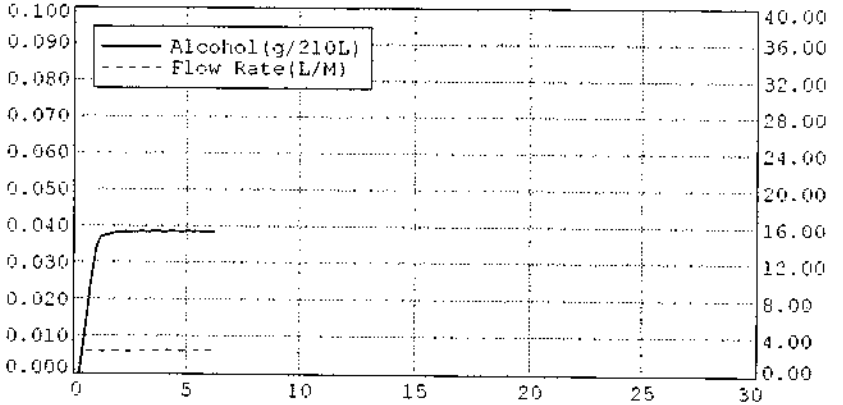
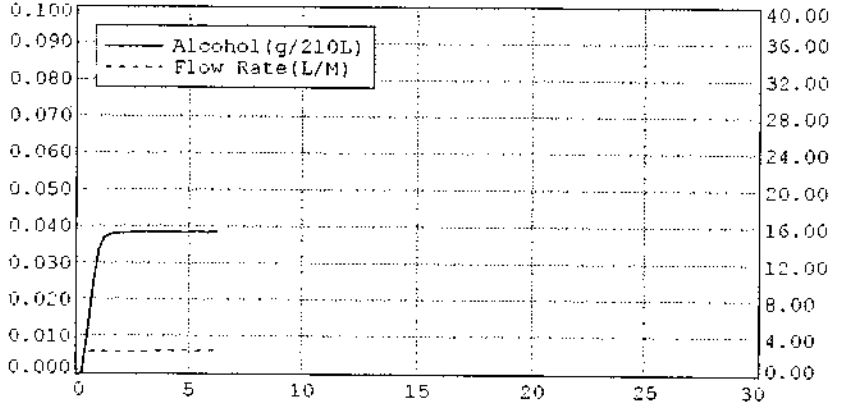
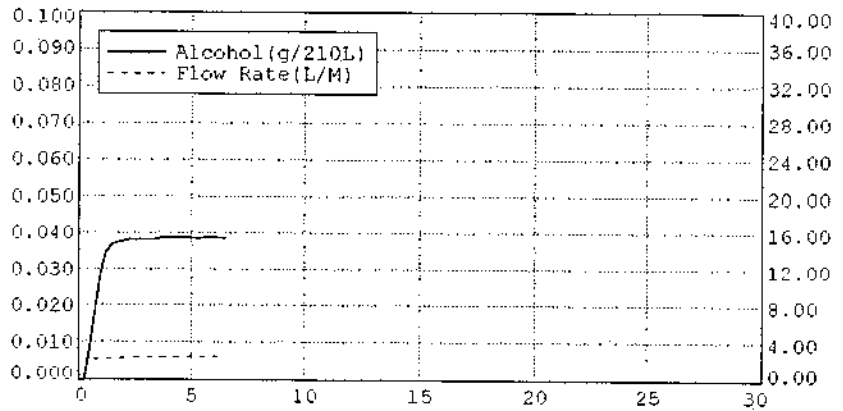
SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.02: 0.039
 TANK PRESSURE: 1135 psi

BLANK TEST	0.000	13:48
INTERNAL STANDARD	VERIFIED	13:49
EXTERNAL STANDARD	0.039	13:49
BLANK TEST	0.000	13:50
EXTERNAL STANDARD	0.039	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.039	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.039	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.039	13:53
BLANK TEST	0.000	13:54

Average = 0.0390
 Std Dev = 0.0000

AG630101 (1)
 Exp: 10/27/18
 BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dnt: 100411

Date: 01/25/2017
 Time: 12:54:01

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

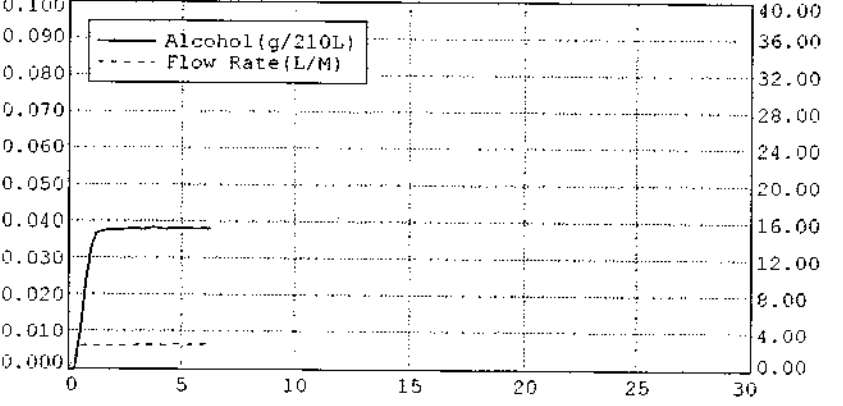
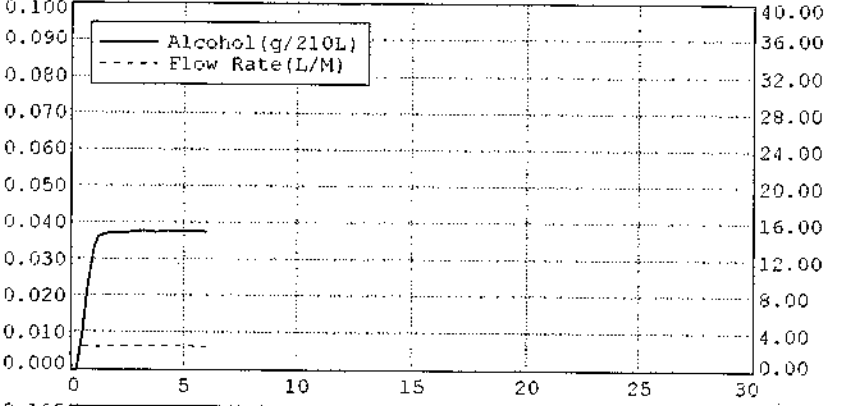
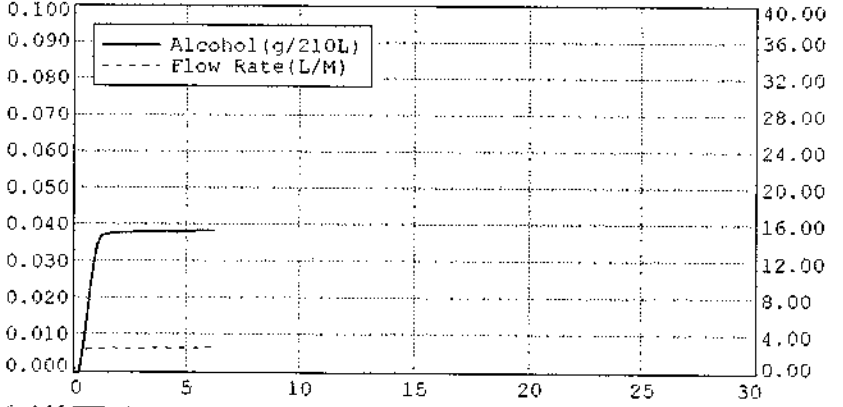
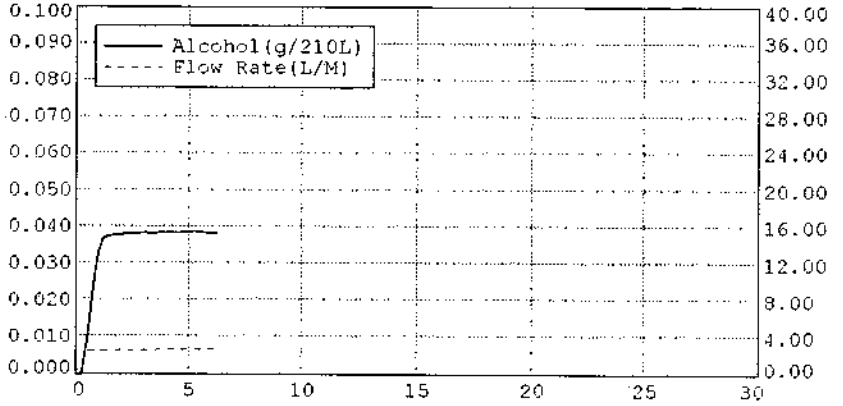
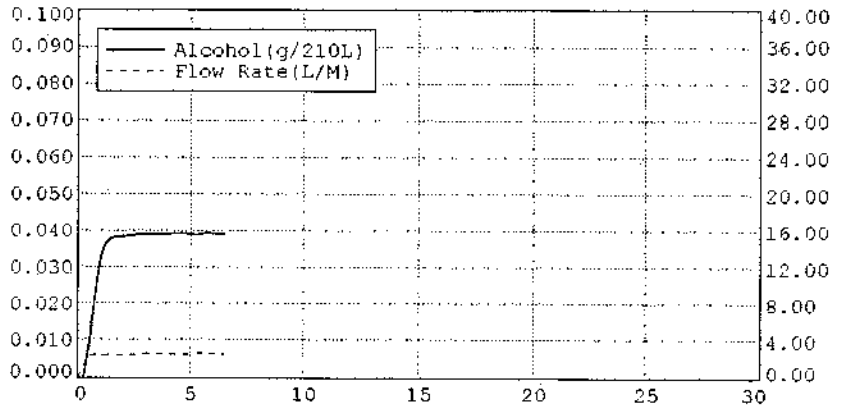
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.03: 0.039
 TANK PRESSURE: 1116 psi

BLANK TEST	0.000	12:55
INTERNAL STANDARD	VERIFIED	12:55
EXTERNAL STANDARD	0.041	12:55
BLANK TEST	0.000	12:56
EXTERNAL STANDARD	0.039	12:56
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.040	12:57
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.039	12:58
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.039	13:00
BLANK TEST	0.000	13:00

Average = 0.0396
 Std Dev = 0.0009

AG630101 (1)
 Exp: 10/27/18
 BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dnt: 100411

Date: 01/25/2017
 Time: 12:33:04

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.04: 0.039
 TANK PRESSURE: 1184 psi

BLANK TEST	0.000	12:34
INTERNAL STANDARD	VERIFIED	12:34
EXTERNAL STANDARD	0.039	12:34
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.039	12:35
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.039	12:36
BLANK TEST	0.000	12:37
EXTERNAL STANDARD	0.039	12:37
BLANK TEST	0.000	12:38
EXTERNAL STANDARD	0.040	12:38
BLANK TEST	0.000	12:39

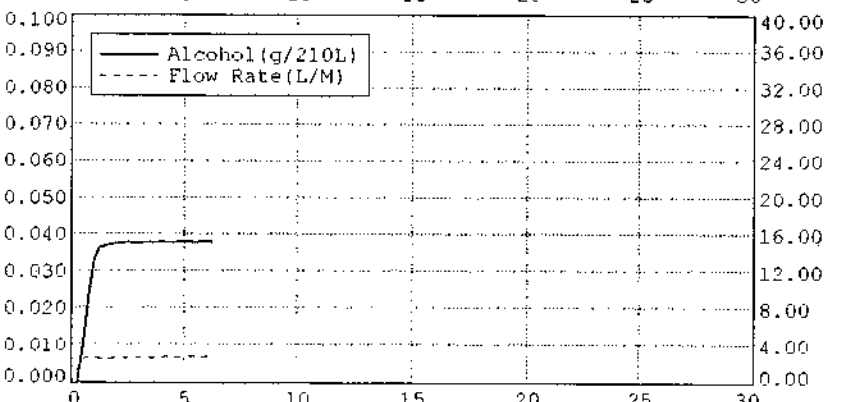
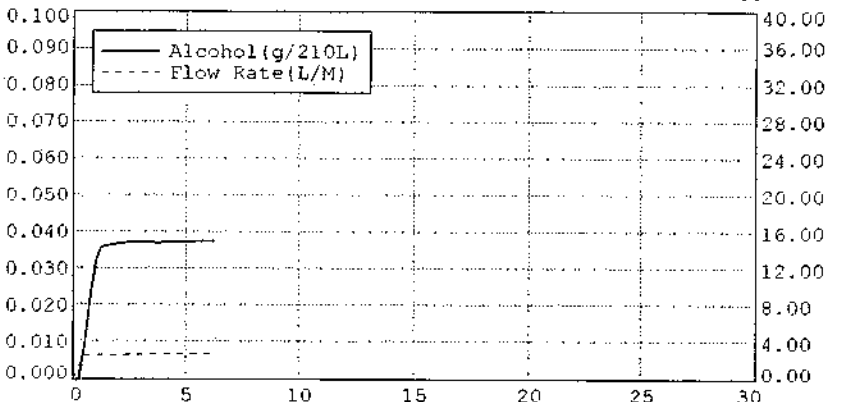
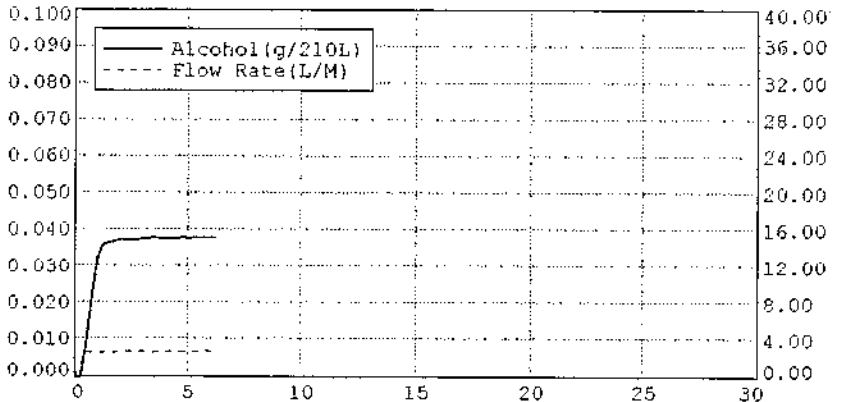
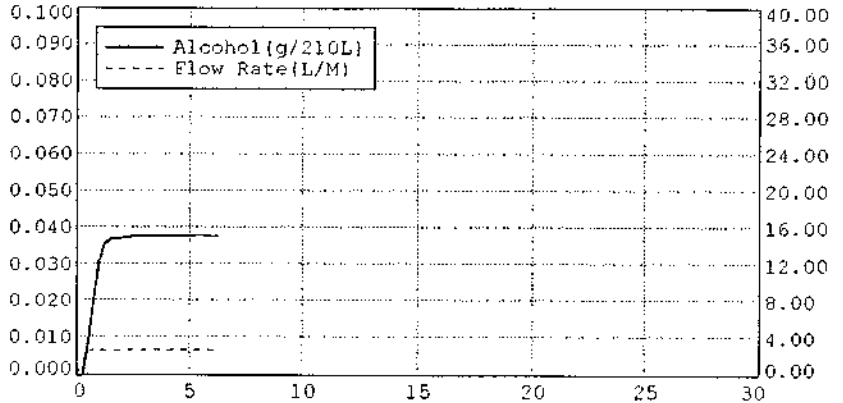
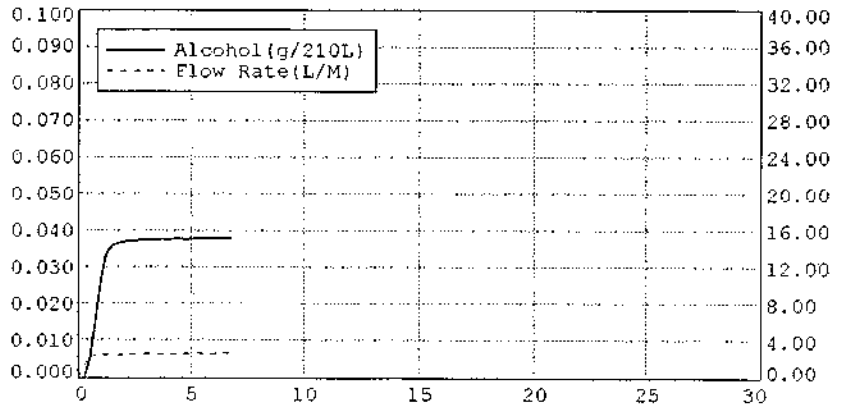
Average = 0.0392
 Std Dev = 0.0004

AG 630101 (2)
 Exp: 10/27/18
 BMB 1/26/17

0.0392
 0.0374
 0.0390

BMB
 1/26/17

Avg = 0.039
 Target 0.039



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100348

Date: 01/25/2017
 Time: 12:45:29

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

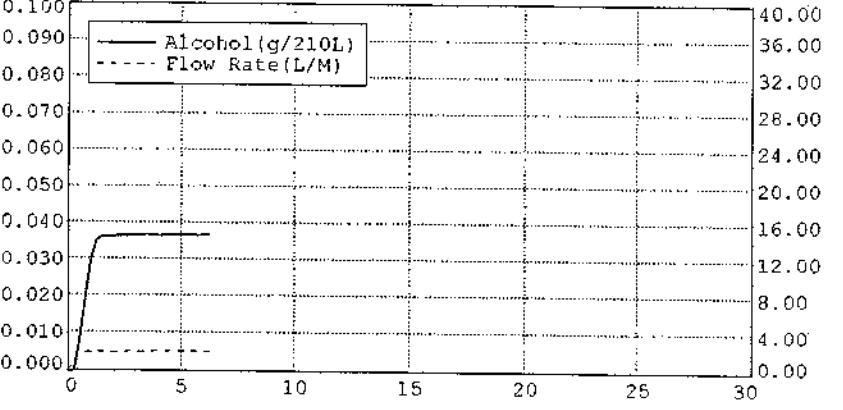
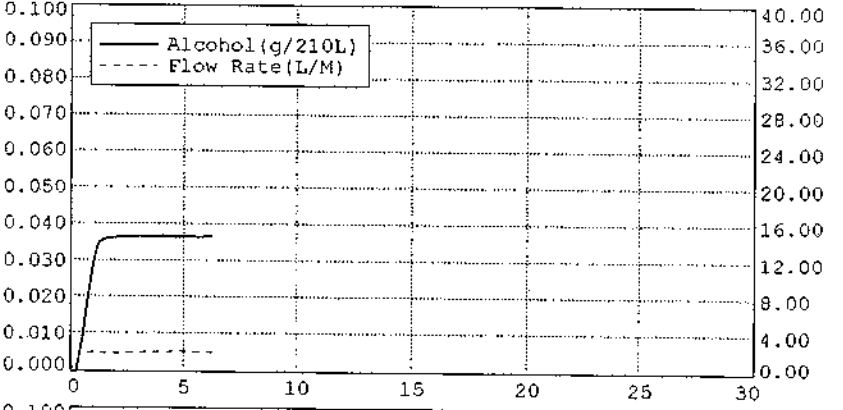
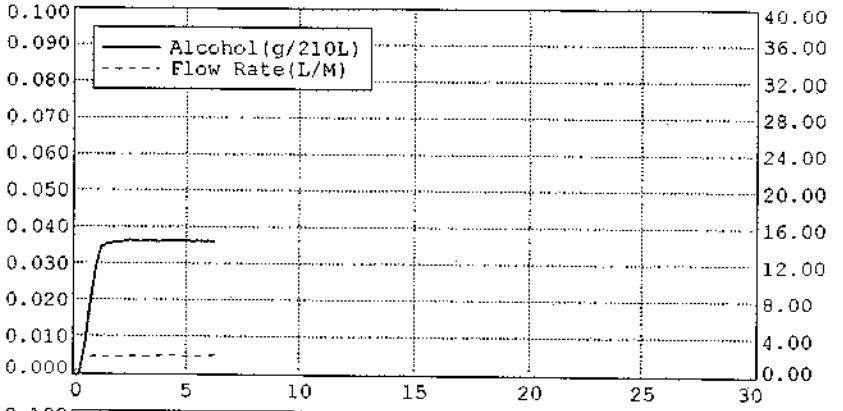
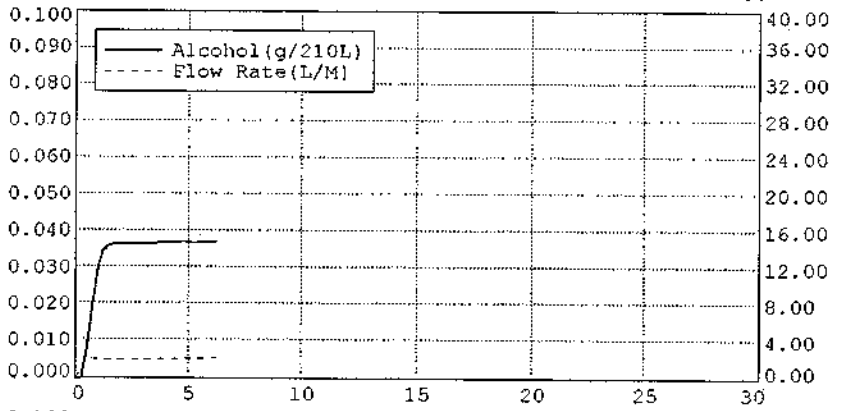
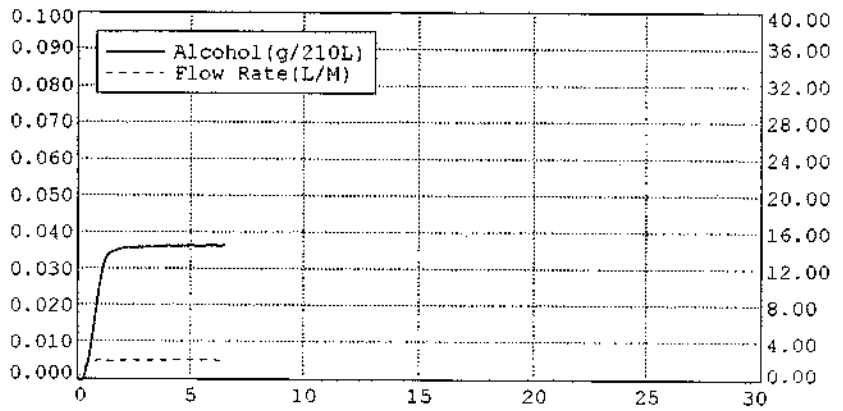
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.00: 0.039
 TANK PRESSURE: 1176 psi

BLANK TEST	0.000	12:46
INTERNAL STANDARD	VERIFIED	12:46
EXTERNAL STANDARD	0.037	12:47
BLANK TEST	0.000	12:48
EXTERNAL STANDARD	0.038	12:48
BLANK TEST	0.000	12:49
EXTERNAL STANDARD	0.037	12:49
BLANK TEST	0.000	12:50
EXTERNAL STANDARD	0.037	12:50
BLANK TEST	0.000	12:51
EXTERNAL STANDARD	0.038	12:51
BLANK TEST	0.000	12:52

Average = 0.0374
 Std Dev = 0.0005

AG630101 (2)
 Exp: 10/27/18
 BMB 1/26/17



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 01/25/2017
 Time: 13:57:55

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.02: 0.039
 TANK PRESSURE: 1160 psi

BLANK TEST	0.000	13:59
INTERNAL STANDARD	VERIFIED	13:59
EXTERNAL STANDARD	0.039	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.039	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.039	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.039	14:02
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.039	14:04
BLANK TEST	0.000	14:04

Average = 0.0390
 Std Dev = 0.0000

AG630101 (2)
 Exp: 10/27/18
 BMB 1/26/17

