



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:** 25-Mar-2016

**Lot #** AG608504 **Model** 108caccd

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
25-Mar-2018	108	Ethanol Nitrogen	0.080 ± 0.002 BrAC (208 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: 2016.03.25 19:01:39 -05:00  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

Analyst: \_\_\_\_\_

Rod Marsala

**ISO 17025:2005 A2LA accredited. Certificate Number 2989.01**

SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100348

Date: 04/20/2016  
 Time: 15:07:42

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

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.79: 0.080  
 TANK PRESSURE: 1184 psi

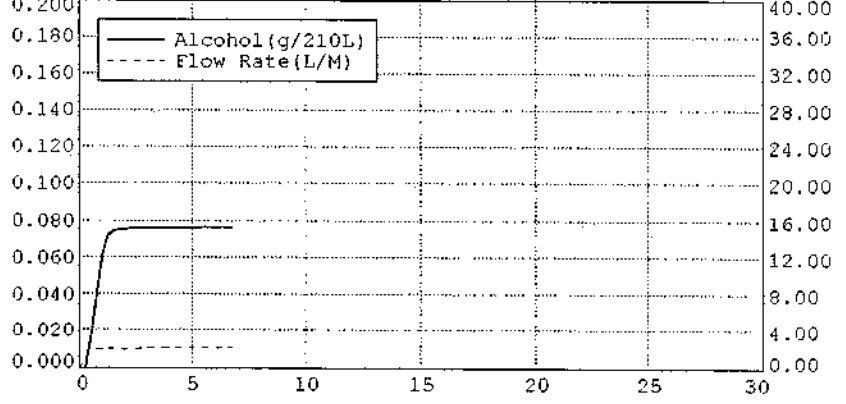
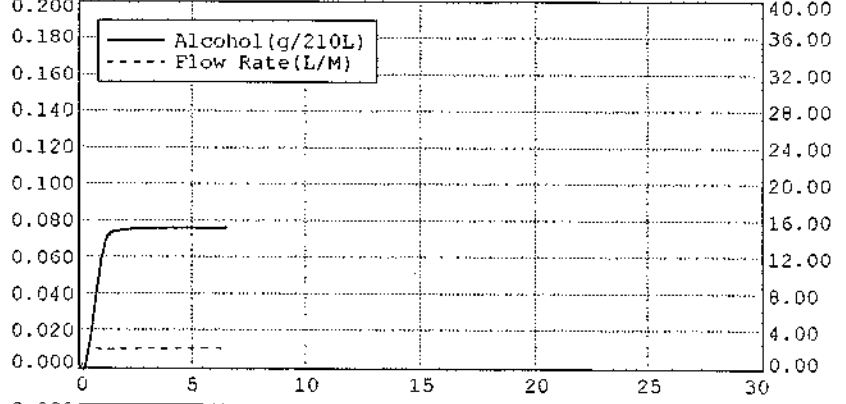
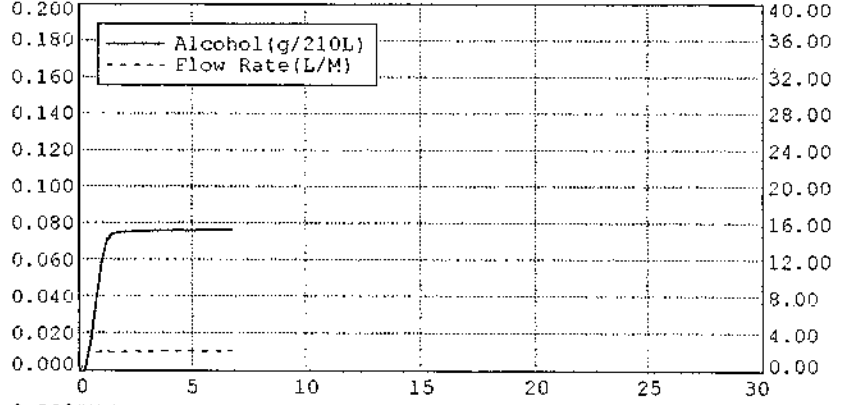
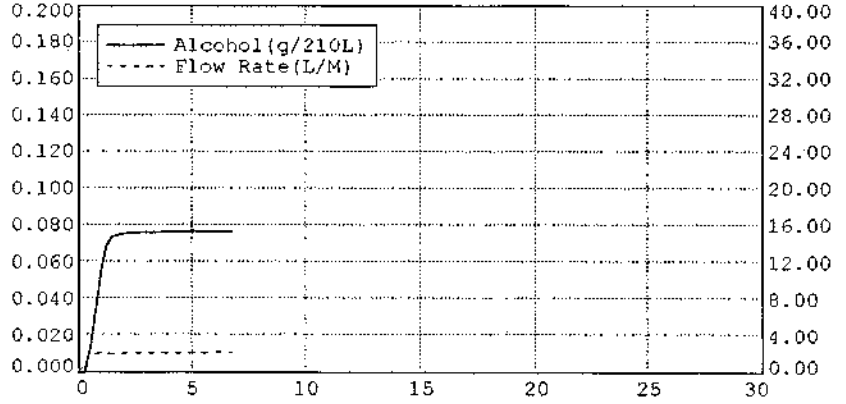
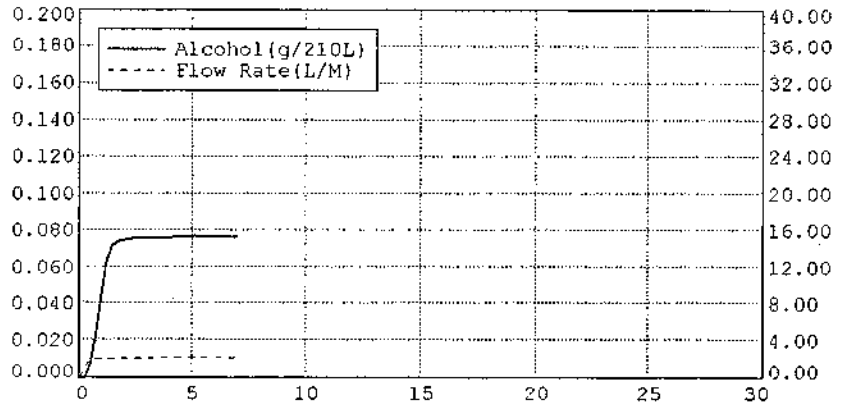
BLANK TEST	0.000	15:14
INTERNAL STANDARD	VERIFIED	15:14
EXTERNAL STANDARD	0.078	15:14
BLANK TEST	0.000	15:15
EXTERNAL STANDARD	0.077	15:15
BLANK TEST	0.000	15:16
EXTERNAL STANDARD	0.077	15:17
BLANK TEST	0.000	15:17
EXTERNAL STANDARD	0.077	15:18
BLANK TEST	0.000	15:19
EXTERNAL STANDARD	0.077	15:19
BLANK TEST	0.000	15:20

Average = 0.0772  
 Std Dev = 0.0004

*Lot# AG 608504*  
*Tank# 076*  
*CS 4/20/16*

*Avg of All = 0.080* <sup>CS</sup> <sub>4/20/16</sub>

*Avg for tank 076*  
*= 0.080*



**SUPERVISOR TEST**

Alaska Department of Public Safety  
 DATAMASTER dmt: 100377

Date: 04/20/2016  
 Time: 14:54:03

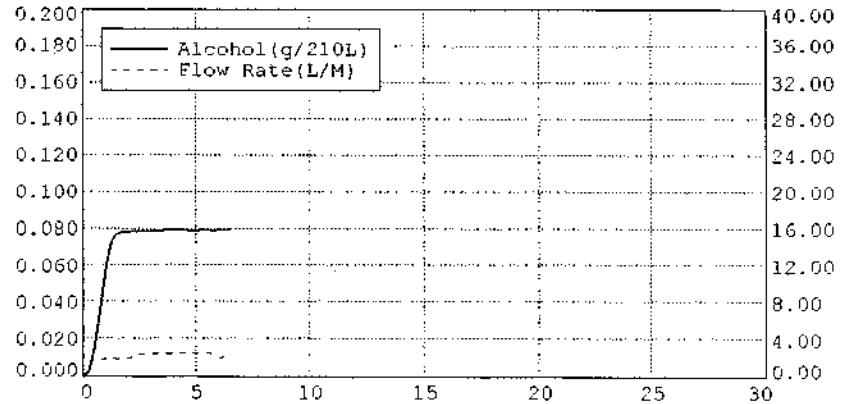
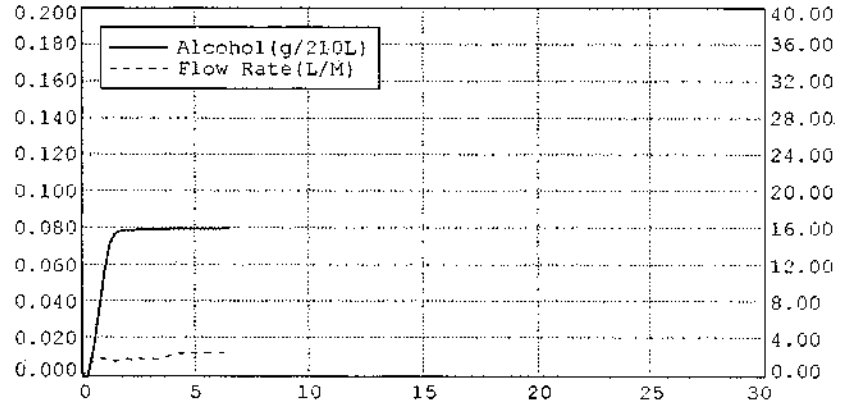
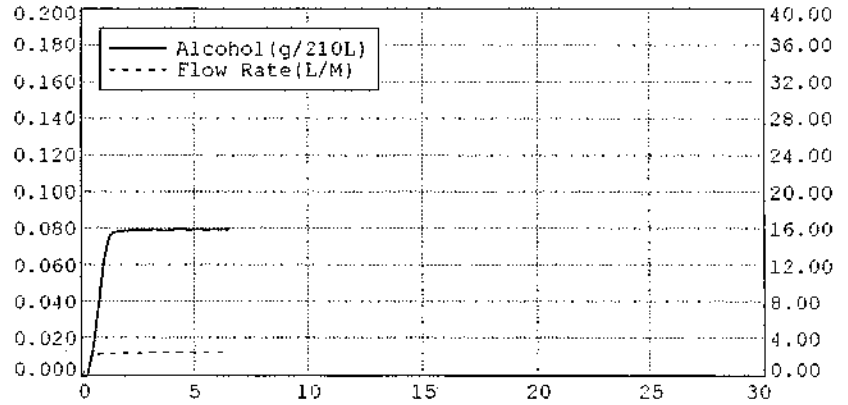
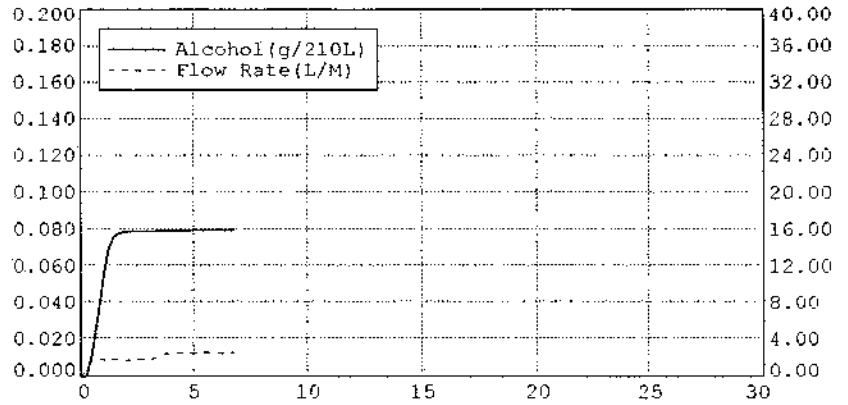
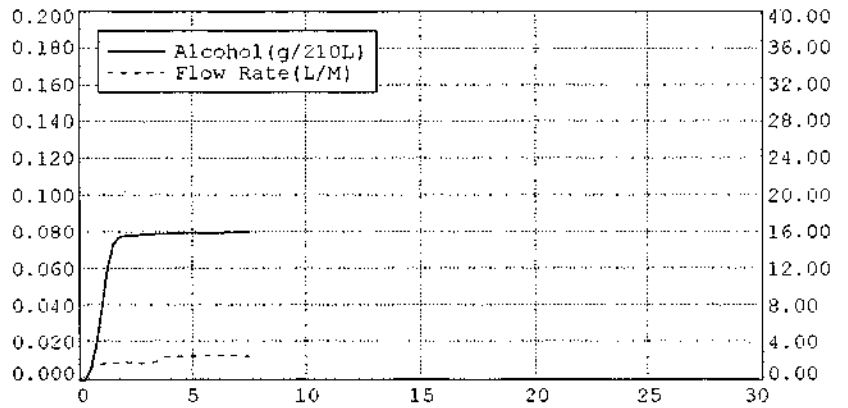
SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.78: 0.080  
 TANK PRESSURE: 1195 psi

BLANK TEST	0.000	14:55
INTERNAL STANDARD	VERIFIED	14:56
EXTERNAL STANDARD	0.081	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.081	14:57
BLANK TEST	0.000	14:58
EXTERNAL STANDARD	0.081	14:58
BLANK TEST	0.000	14:59
EXTERNAL STANDARD	0.081	14:59
BLANK TEST	0.000	15:00
EXTERNAL STANDARD	0.081	15:00
BLANK TEST	0.000	15:01

Average = 0.0810  
 Std Dev = 0.0000

*Lot# AG608504*  
*Tank# 076*  
*COB 4/20/16*



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100411

Date: 04/20/2016  
Time: 15:02:06

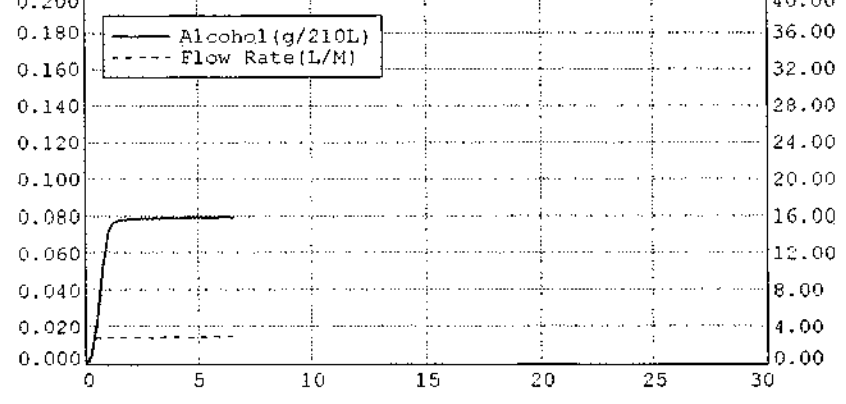
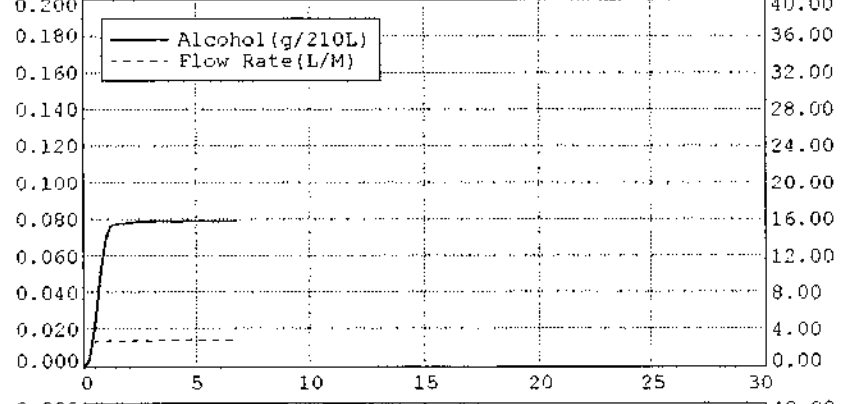
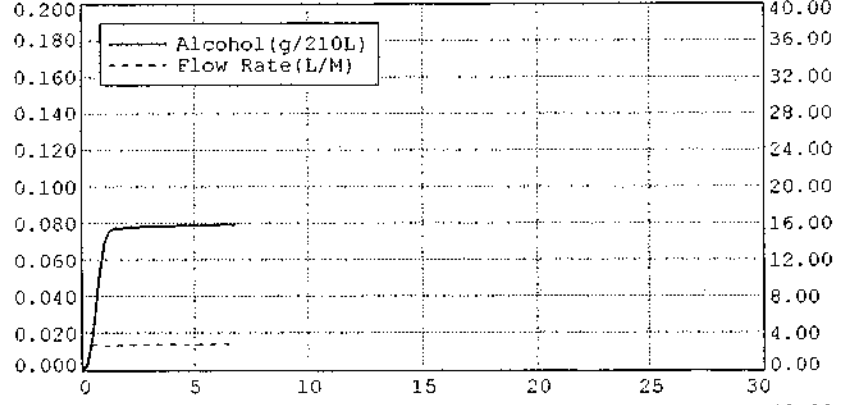
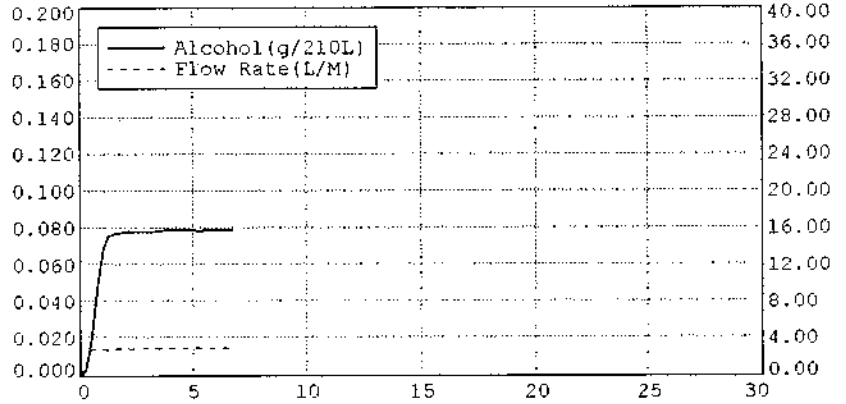
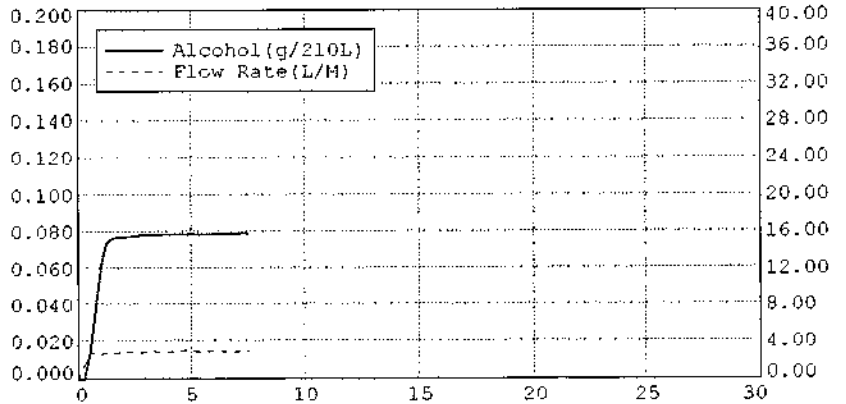
SUPERVISOR NAME:  
COLLEEN S OBRYANT  
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.79: 0.080  
TANK PRESSURE: 1186 psi

BLANK TEST	0.000	15:03
INTERNAL STANDARD	VERIFIED	15:03
EXTERNAL STANDARD	0.080	15:04
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.080	15:05
BLANK TEST	0.000	15:06
EXTERNAL STANDARD	0.081	15:06
BLANK TEST	0.000	15:07
EXTERNAL STANDARD	0.081	15:07
BLANK TEST	0.000	15:08
EXTERNAL STANDARD	0.081	15:08
BLANK TEST	0.000	15:09

Average = 0.0806  
Std Dev = 0.0005

*Lot# AG608504*  
*Tank #0710*  
*COB 4/20/16*



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100348

Date: 04/20/2016  
 Time: 15:31:32

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

EXTERNAL STANDARD INFORMATION

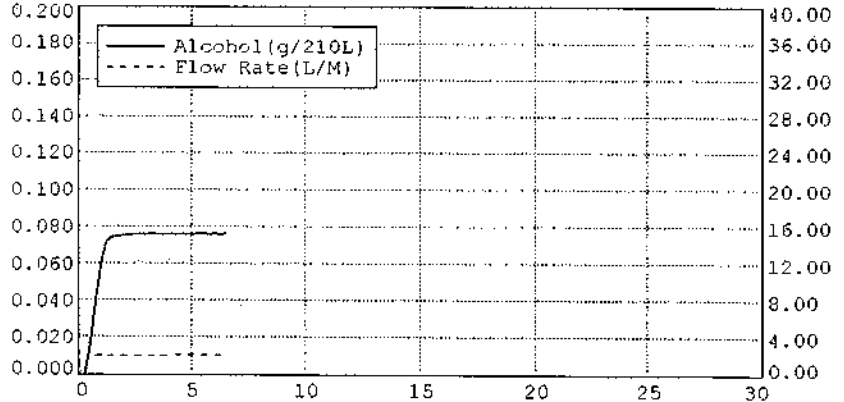
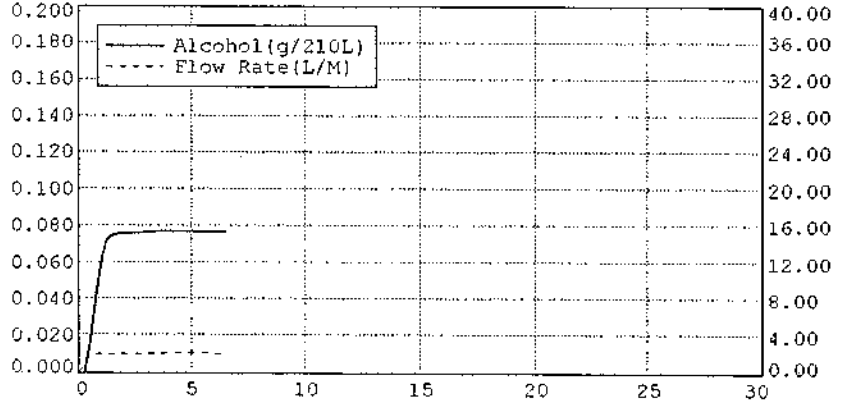
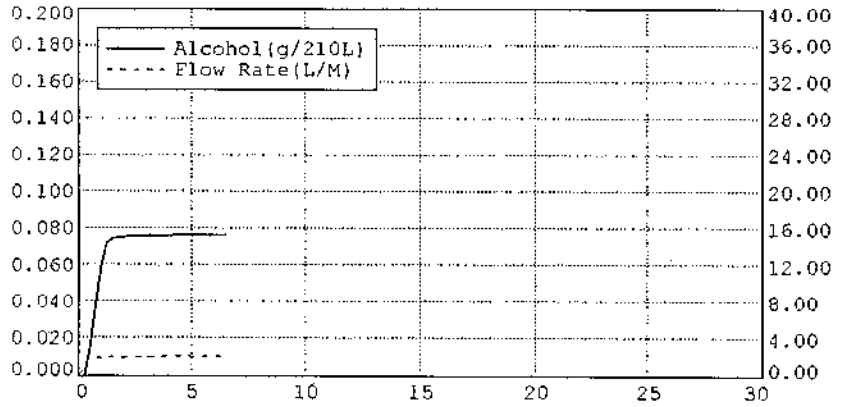
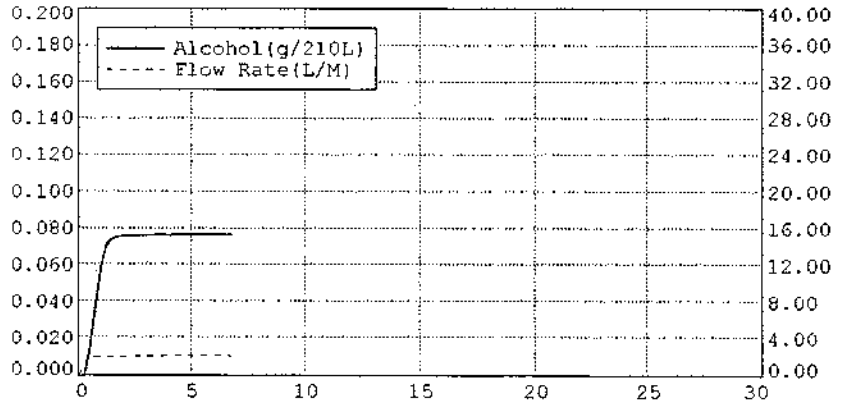
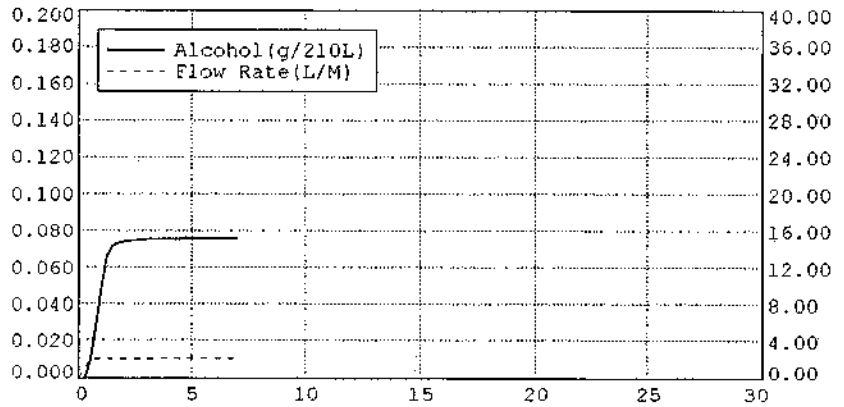
NOMINAL: 0.080  
 TARGET AT 29.79: 0.080  
 TANK PRESSURE: 1152 psi

BLANK TEST	0.000	15:32
INTERNAL STANDARD	VERIFIED	15:33
EXTERNAL STANDARD	0.077	15:33
BLANK TEST	0.000	15:34
EXTERNAL STANDARD	0.078	15:34
BLANK TEST	0.000	15:35
EXTERNAL STANDARD	0.078	15:35
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.078	15:36
BLANK TEST	0.000	15:37
EXTERNAL STANDARD	0.078	15:37
BLANK TEST	0.000	15:38

Average = 0.0778  
 Std Dev = 0.0004

*Lot# AG608504*  
*Tank# 077*  
*CBS 4/20/16*

*Avg for tank 077*  
*= 0.080*



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100377

Date: 04/20/2016  
 Time: 15:12:58

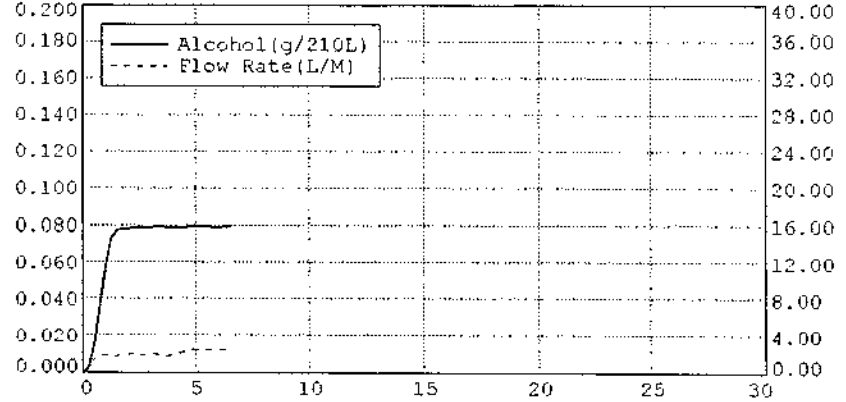
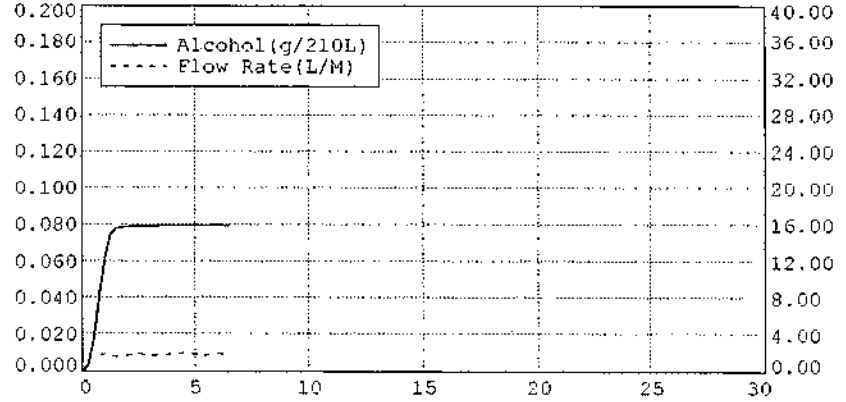
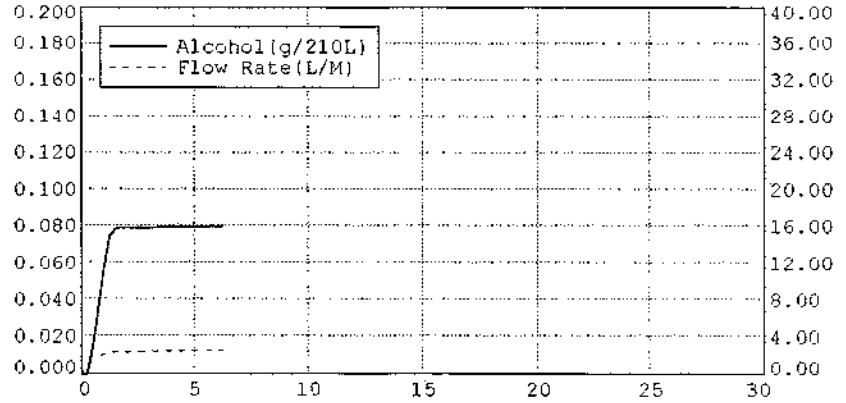
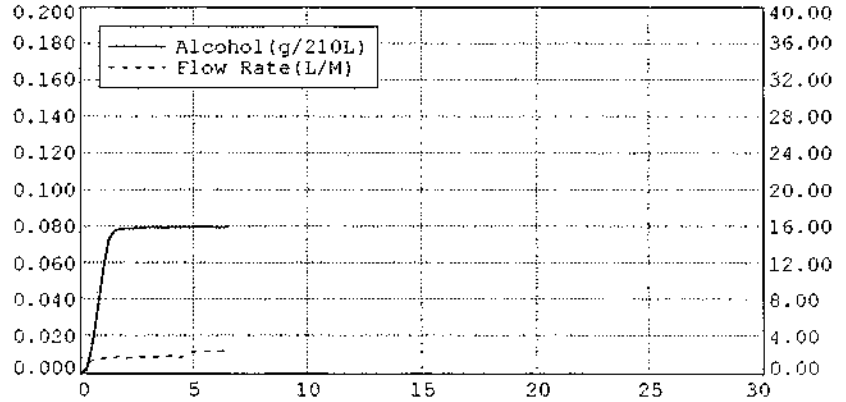
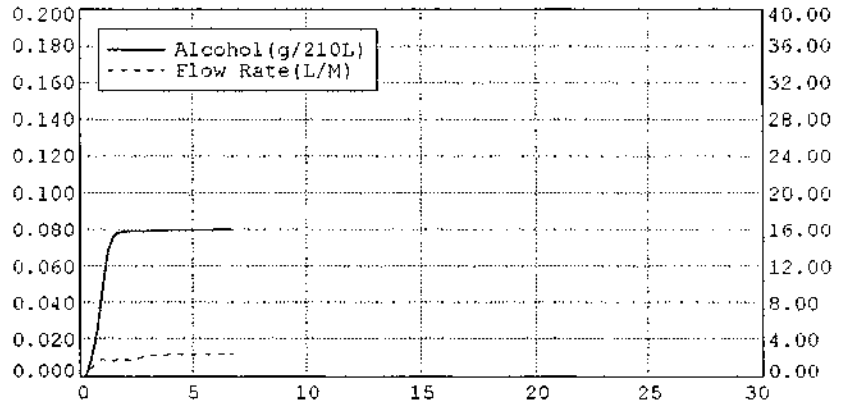
SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.78: 0.080  
 TANK PRESSURE: 1188 psi

BLANK TEST	0.000	15:14
INTERNAL STANDARD	VERIFIED	15:14
EXTERNAL STANDARD	0.081	15:14
BLANK TEST	0.000	15:15
EXTERNAL STANDARD	0.081	15:15
BLANK TEST	0.000	15:16
EXTERNAL STANDARD	0.080	15:16
BLANK TEST	0.000	15:17
EXTERNAL STANDARD	0.081	15:17
BLANK TEST	0.000	15:18
EXTERNAL STANDARD	0.081	15:18
BLANK TEST	0.000	15:19

Average = 0.0808  
 Std Dev = 0.0004

*Lot # AG608504*  
*Tank # 077*  
*COB 4/20/16*



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100411

Date: 04/20/2016  
 Time: 15:21:29

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

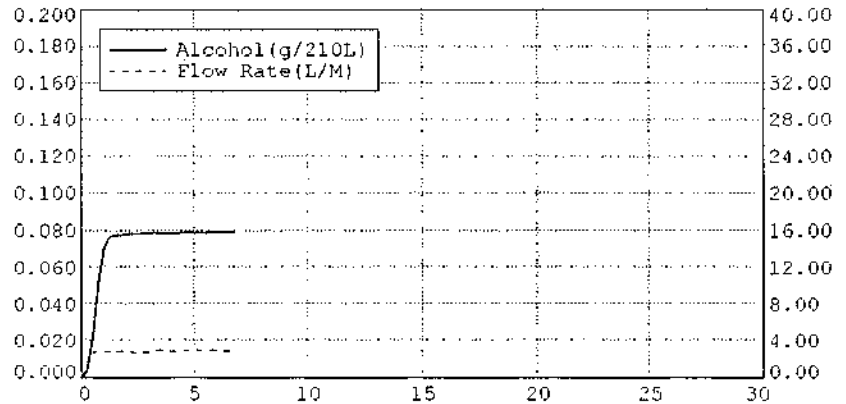
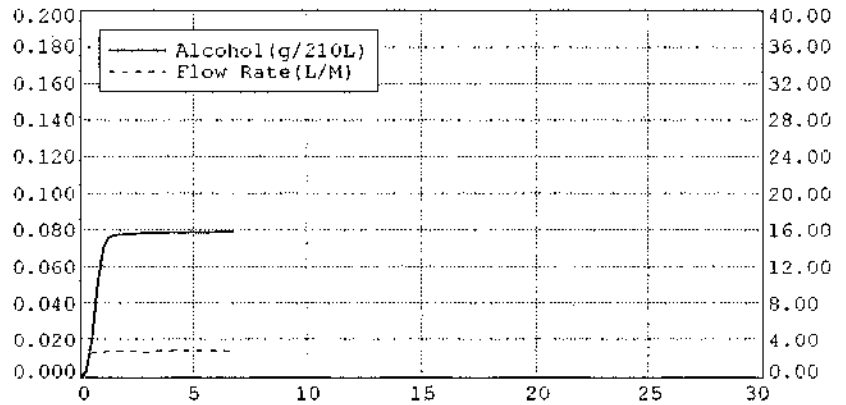
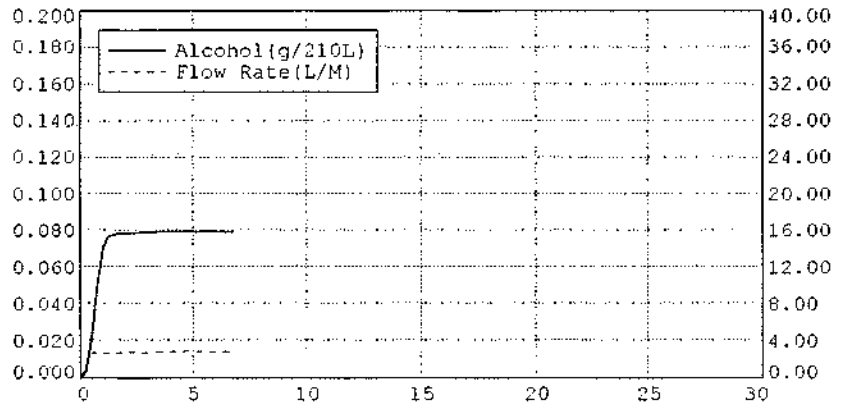
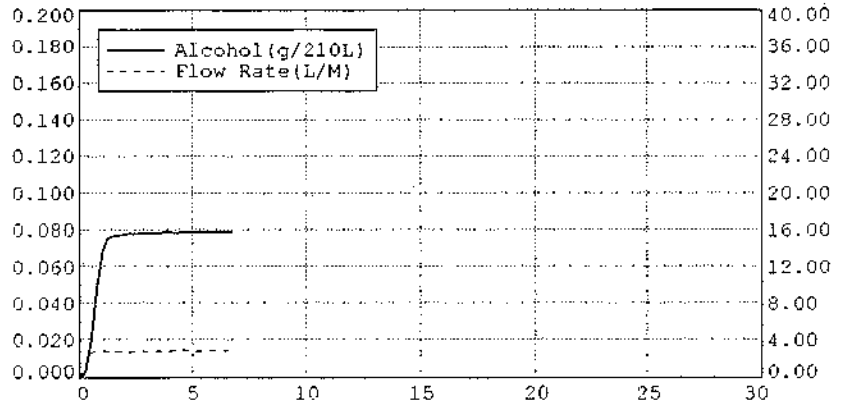
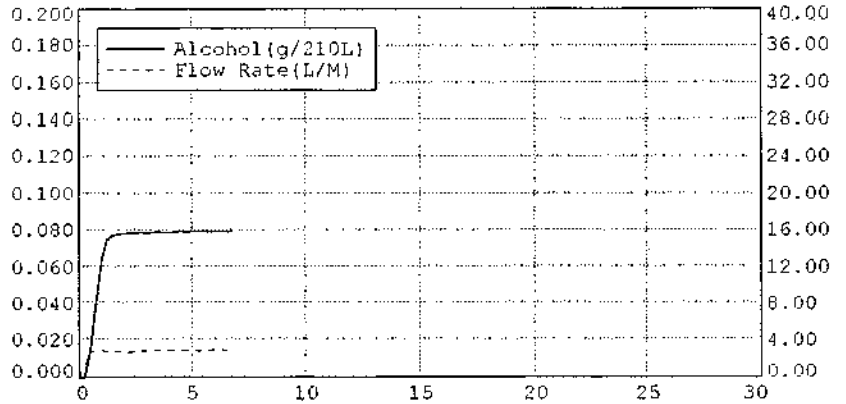
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.79: 0.080  
 TANK PRESSURE: 1165 psi

BLANK TEST	0.000	15:22
INTERNAL STANDARD	VERIFIED	15:22
EXTERNAL STANDARD	0.081	15:22
BLANK TEST	0.000	15:23
EXTERNAL STANDARD	0.081	15:23
BLANK TEST	0.000	15:24
EXTERNAL STANDARD	0.081	15:25
BLANK TEST	0.000	15:25
EXTERNAL STANDARD	0.080	15:26
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.081	15:27
BLANK TEST	0.000	15:28

Average = 0.0808  
 Std Dev = 0.0004

*Lot# AB608504*  
*Tank# 077*  
*COS 4/20/16*



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100348

Date: 04/20/2016  
 Time: 15:43:52

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

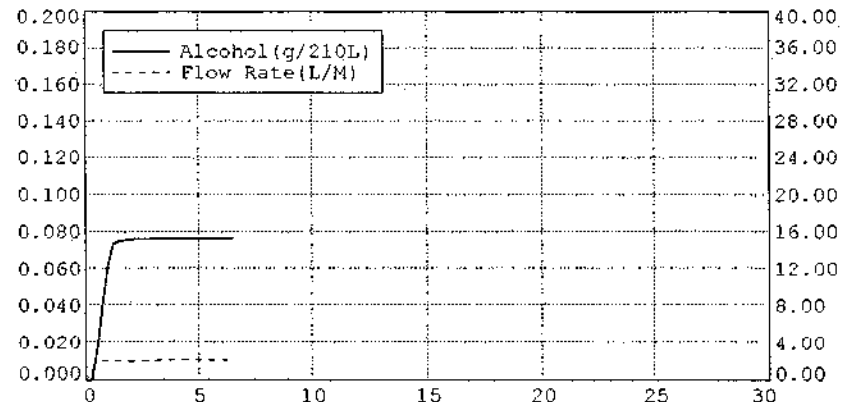
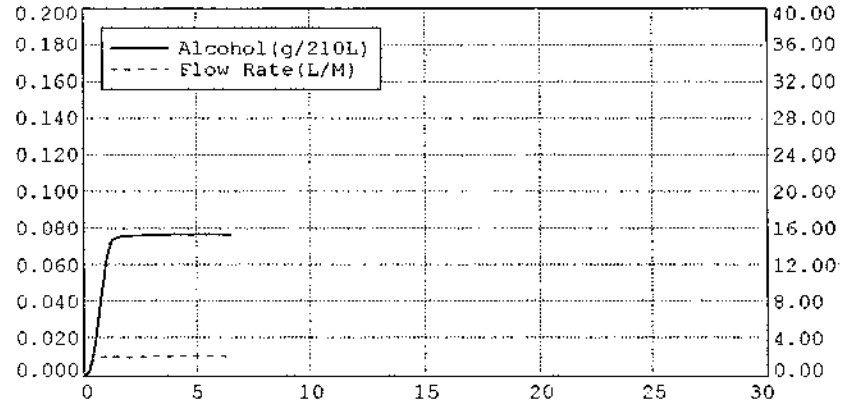
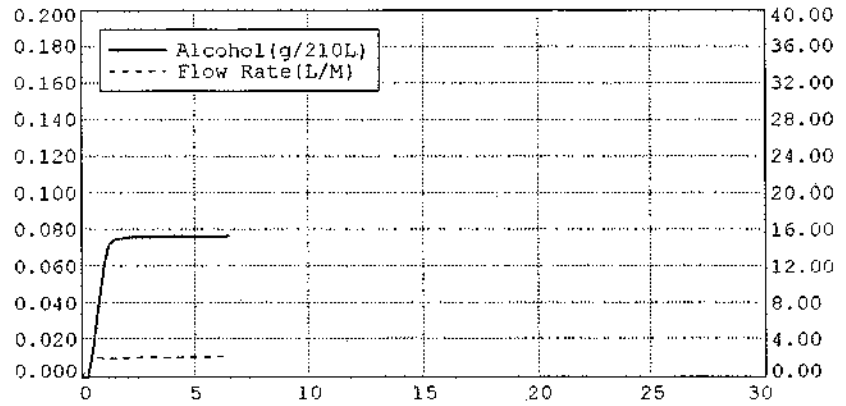
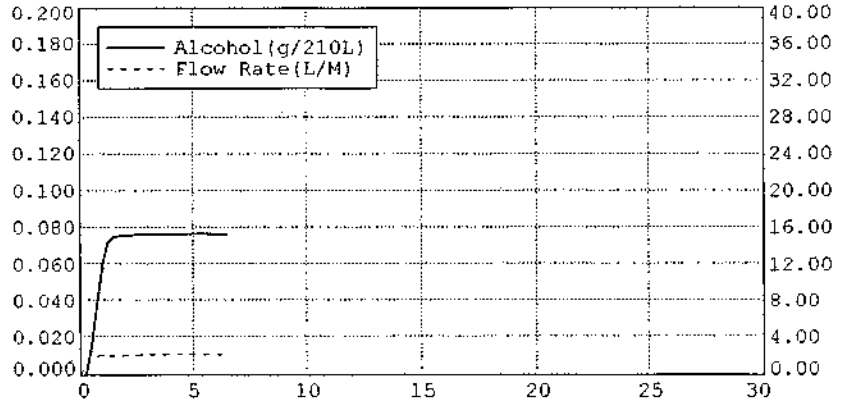
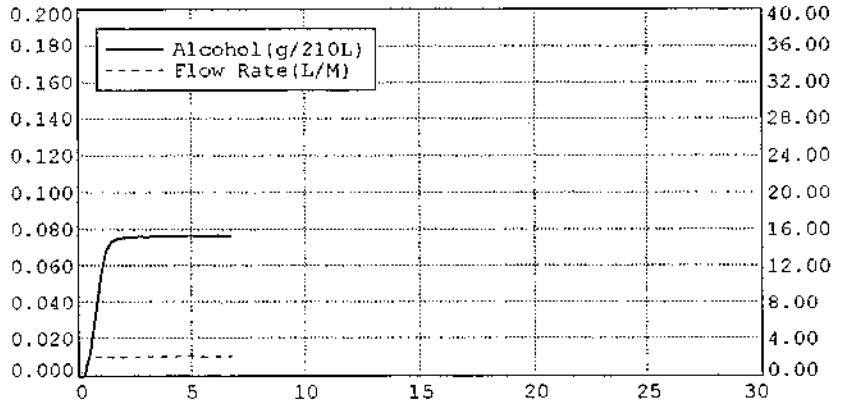
EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.78: 0.080  
 TANK PRESSURE: 1172 psi

BLANK TEST	0.000	15:44
INTERNAL STANDARD	VERIFIED	15:45
EXTERNAL STANDARD	0.077	15:45
BLANK TEST	0.000	15:46
EXTERNAL STANDARD	0.078	15:46
BLANK TEST	0.000	15:47
EXTERNAL STANDARD	0.077	15:47
BLANK TEST	0.000	15:48
EXTERNAL STANDARD	0.078	15:48
BLANK TEST	0.000	15:49
EXTERNAL STANDARD	0.077	15:49
BLANK TEST	0.000	15:50

Average = 0.0774  
 Std Dev = 0.0005

*Lot# A6608504*  
*Tank# 078*  
*COS 4/20/16*

*Avg for tank 078*  
*= 0.080*





**SUPERVISOR TEST**

Alaska Department of Public Safety  
 DATAMASTER dmt: 100377

Date: 04/20/2016  
 Time: 15:21:58

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

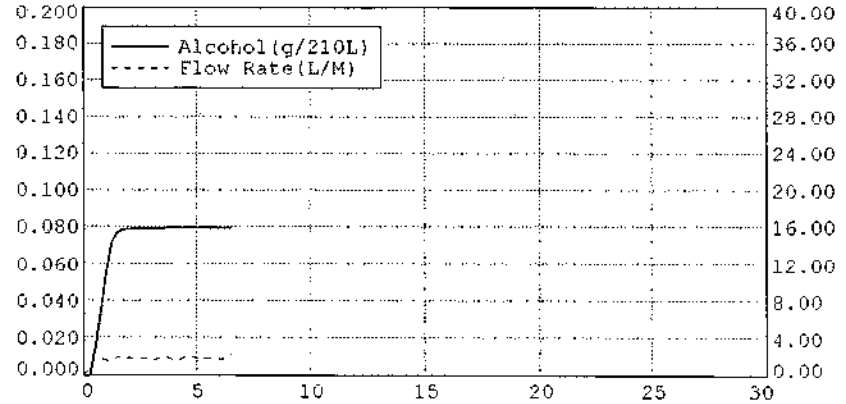
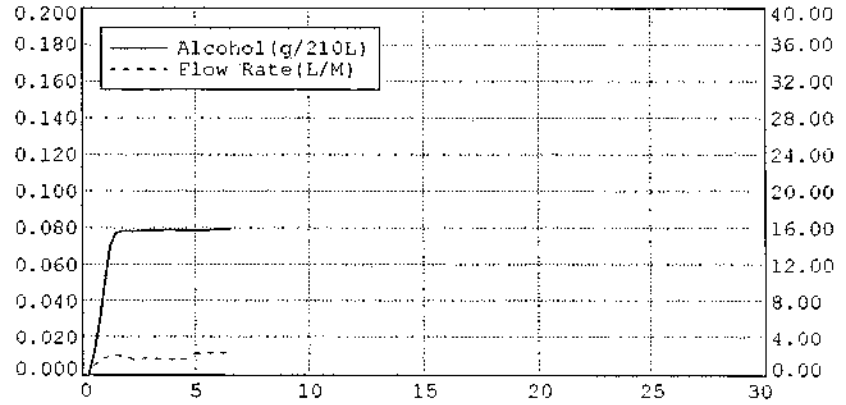
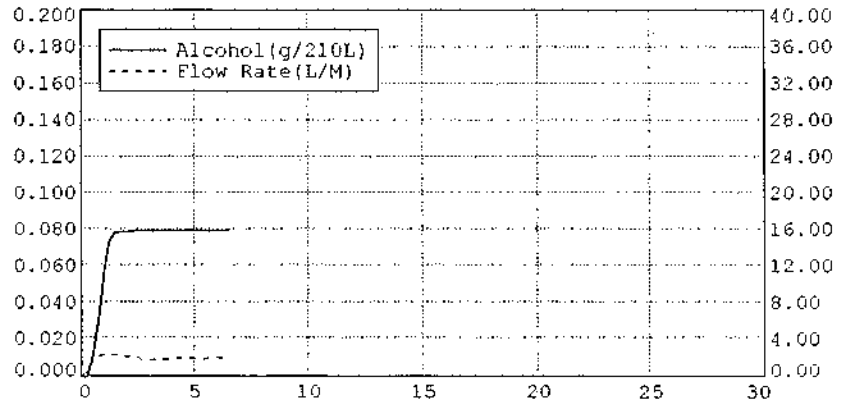
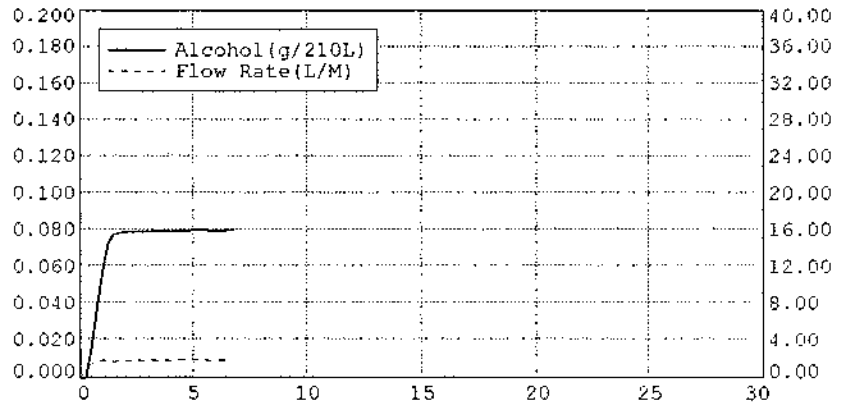
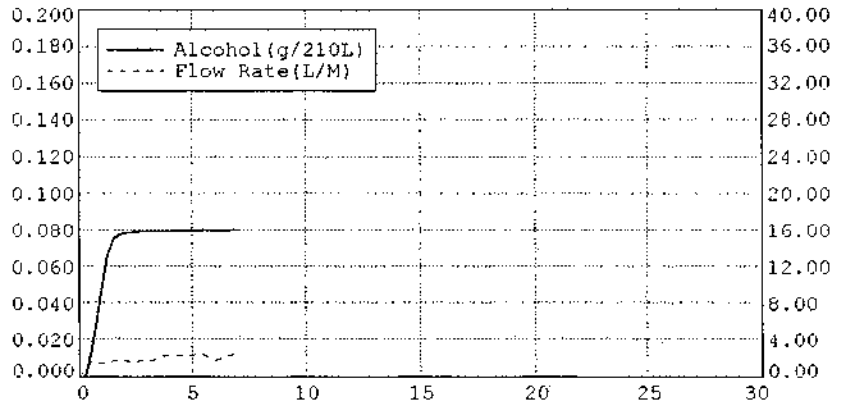
**EXTERNAL STANDARD INFORMATION**

NOMINAL: 0.080  
 TARGET AT 29.78: 0.080  
 TANK PRESSURE: 1202 psi

BLANK TEST	0.000	15:26
INTERNAL STANDARD	VERIFIED	15:26
EXTERNAL STANDARD	0.081	15:26
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.081	15:27
BLANK TEST	0.000	15:28
EXTERNAL STANDARD	0.080	15:28
BLANK TEST	0.000	15:29
EXTERNAL STANDARD	0.080	15:30
BLANK TEST	0.000	15:30
EXTERNAL STANDARD	0.081	15:31
BLANK TEST	0.000	15:32

Average = 0.0806  
 Std Dev = 0.0005

*Lot # AG608504*  
*Tank #078*  
*COB 4/20/16*



**SUPERVISOR TEST**

Alaska Department of Public Safety  
 DATAMASTER dmt: 100411

Date: 04/20/2016  
 Time: 15:33:41

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

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.79: 0.080  
 TANK PRESSURE: 1183 psi

BLANK TEST	0.000	15:35
INTERNAL STANDARD	VERIFIED	15:35
EXTERNAL STANDARD	0.080	15:35
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.081	15:36
BLANK TEST	0.000	15:37
EXTERNAL STANDARD	0.081	15:37
BLANK TEST	0.000	15:38
EXTERNAL STANDARD	0.081	15:38
BLANK TEST	0.000	15:39
EXTERNAL STANDARD	0.081	15:39
BLANK TEST	0.000	15:40

Average = 0.0808  
 Std Dev = 0.0004

*Lot # A660850*

*Tank # 078*

*COB 4/20/10*

