

	State of Alaska Scientific Crime Detection Laboratory		
	DataMaster Certification Form – DMCEF2011R1		
	Issuing Authority – Nita Bolz, Scientific Director		
Approval date: 03/10/11		Effective date: 03/10/11	Archive date: Active

DataMaster DMT Certification FormInstrument # 100342

1. Diagnostic Test (attached)

Analyst CRF

2. Voltage Checks

Date 6/27/11a. Adjust voltages, if needed ☒

i. Lamp

ii. Bias

iii. Cooler

iv. Chopper Frequency

b. Set RFI ☒c. Adjust barometer reading, if needed ☒d. Adjust volume setting, if needed ☒

e. Print Technician Screen (attached)

3. Print Calibration Factors (attached)

4. Volume Test - Minimum 1500 mL ☒

5. Dry Gas Linearity Test (attached)

a. Levels Used ☒i. 0.020g/210L Mnf ILMO Lot 15210020A1 Exp 7/1/12ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 2/1/13iii. 0.080g/210L Mnf ILMO Lot 02511080A2 Exp 2/1/13iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 3/1/13v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/1/13vi. 0.300g/210L Mnf ILMO Lot 07411300A1 Exp 3/1/13

6. Functional Tests (attached)

a. Incomplete ☒b. Invalid ☒c. Interference ☒i. Acetone - Mnf Replco Lot 09805 Level 0.080 Exp 11/4/111. Simulator Calibration Date 10/18/10 SN DR6267ii. Isopropanol - Mnf Replco Lot 09805 Level 0.080 Exp 11/4/111. Simulator Calibration Date 8/4/10 SN SD1202d. RFI ☒7. Calibrate Stylus ☒8. Verify card reader is functional ☒9. Upload ☒10. Reset Options ☒

11. Non-Drinking Subject Test (attached)

CRF
11/18

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100342

Date: 06/27/2011
Time: 11:28:09

VERSIONS

DMT: 1.01
PIC: 3.02
Modem: 2.0
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
Breath Tube = 45.9°C	PASSED

PUMP INFO

Flow Rate = 5.293 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

PASSED

CRF
2/18

Technician Screen

DATAMASTER dmt: 100342

Date: 06/27/2011

Time: 11:43 AM

Temperatures (°C)

Sample Cell: 48.7°C

Breath Tube: 46.5°C

Current Barometer 29.7 in

Volume (Ltr) 1.54

Settings

Lamp: 1.75 V

Bias: 78 V

Cooler: 1.92 V

Chopper: 542 Hz

Voltages (V)

Flow: 1.02 V

Detector: 0.036 V

CRF
3/18

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100342

Date: 06/24/2011
Time: 09:44:57

SUPERVISOR NAME:
COLLEEN S OBRYANT
CERTIFICATE #: 6237

LOT #: REPCO100
BOTTLE #: 10003
EXPIRATION: 09/08/2012

Ca = 0.1000
CAL = 0.963640 0.800 <= CAL < 1.200
b1 = 0.0004 0.0000 <= b1 < 0.0040
b2 = 0.0062 0.0010 <= b2 < 0.0100
b3 = 0.0003 0.0000 <= b3 < 0.0040
Xq = 0.0913 0.0500 <= Xq < 0.2000
a21 = 1.160994 1.050 <= a21 < 1.300
a31 = 0.474325 0.300 <= a31 < 0.800

CRF
4/18

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100342

Date: 06/27/2011
Time: 12:53:09

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

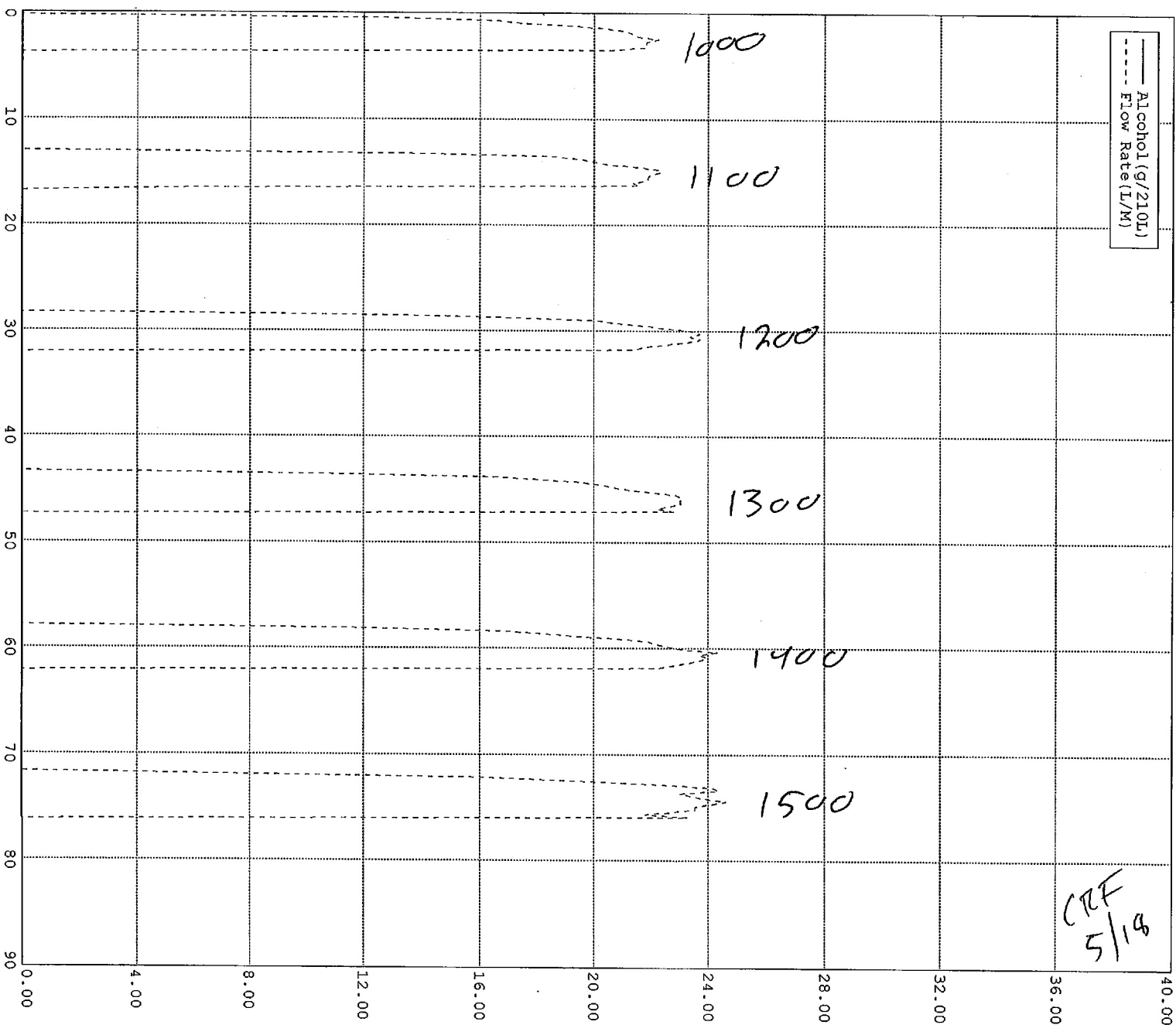
OPERATOR NAME:
MINIMUM VOLUME
OPERATOR'S #: XXXX

DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.63: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	12:54
BLANK TEST	0.000	12:54
INTERNAL STANDARD	0.079	12:54
EXTERNAL STANDARD	0.000	12:54
BLANK TEST	0.000	12:55
SUBJECT SAMPLE	0.000	12:56
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.079	12:58
BLANK TEST	0.000	12:59

CRF



LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dmt: 100342

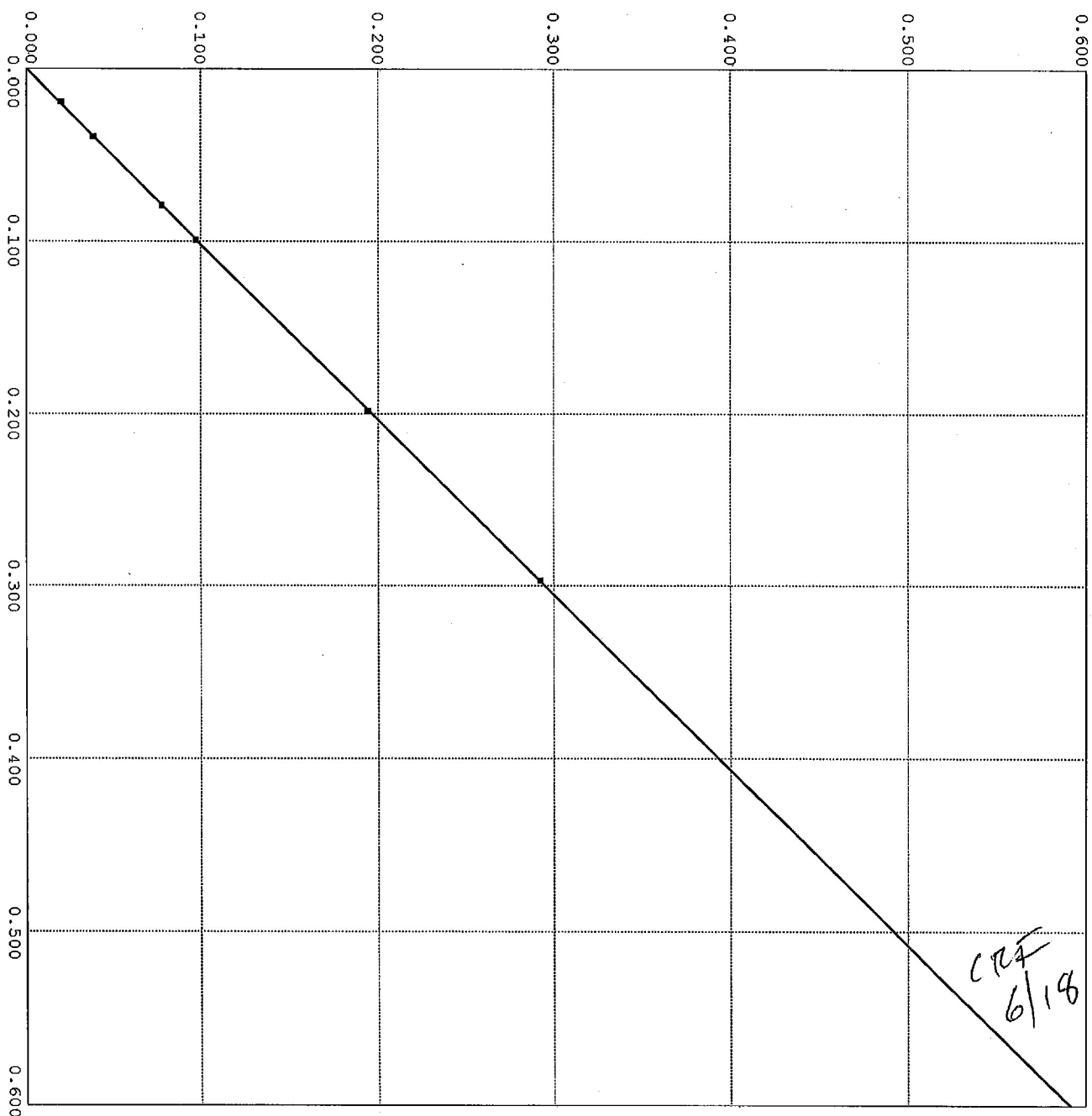
Date: 06/27/2011
 Time: 13:11:11

SUPERVISOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0204	0.0005
0.039	0.0388	0.0004
0.079	0.0780	0.0000
0.099	0.0980	0.0000
0.198	0.1950	0.0019
0.296	0.2930	0.0019

SLOPE = 0.985448
 R^2 = 0.999977

CRF



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100342

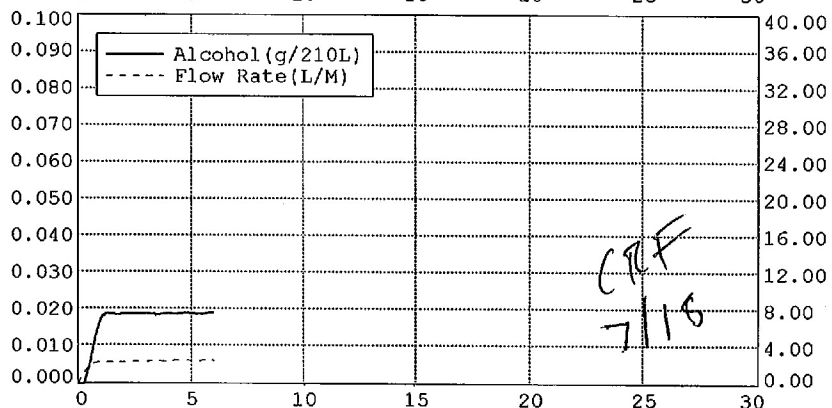
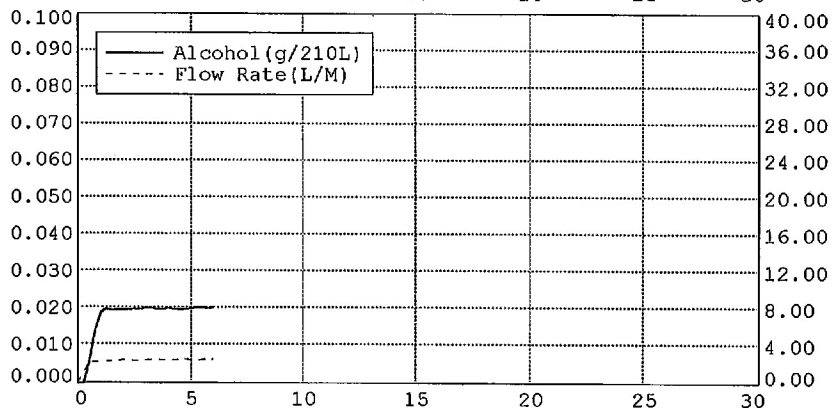
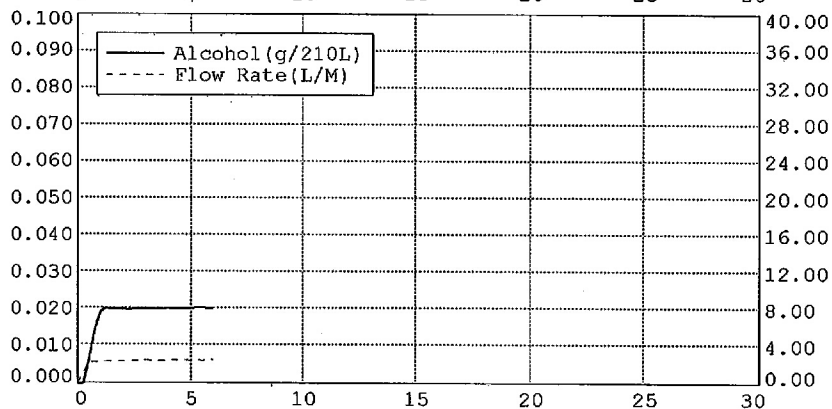
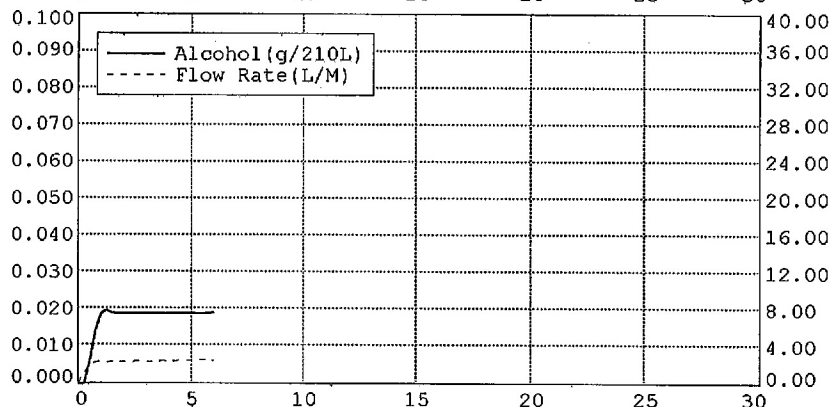
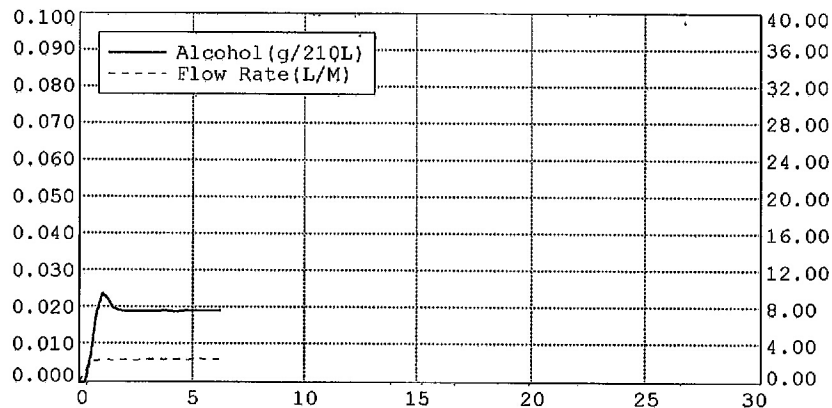
Date: 06/27/2011
Time: 13:11:13

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.63: 0.019
LOT #: 15210020A1
EXPIRATION: 07/01/2012

BLANK TEST	0.000	13:13
INTERNAL STANDARD	VERIFIED	13:13
EXTERNAL STANDARD	0.020	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.020	13:14
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.021	13:15
BLANK TEST	0.000	13:16
EXTERNAL STANDARD	0.021	13:16
BLANK TEST	0.000	13:17
EXTERNAL STANDARD	0.020	13:17
BLANK TEST	0.000	13:18

Average = 0.0204
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100342

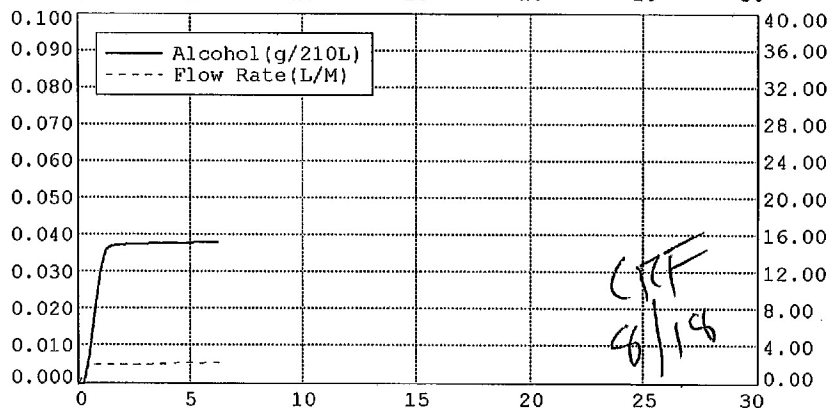
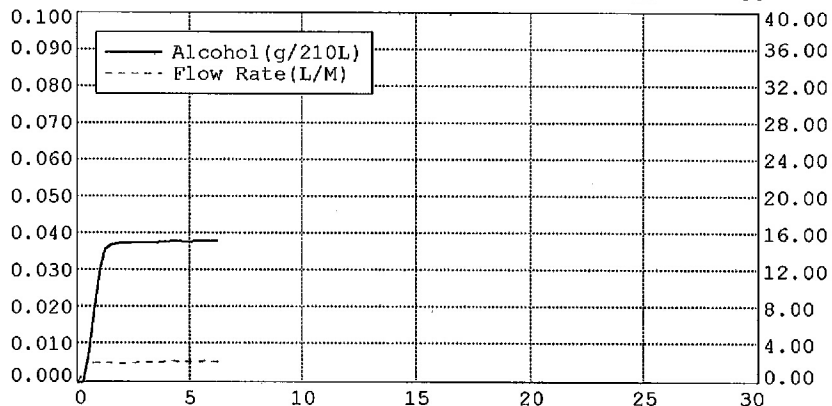
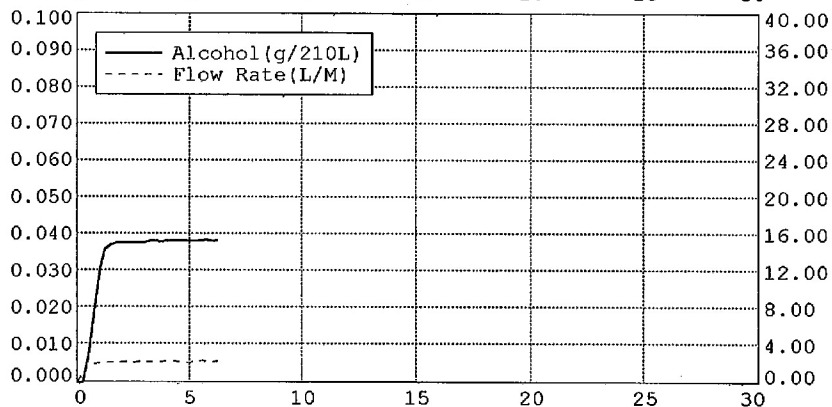
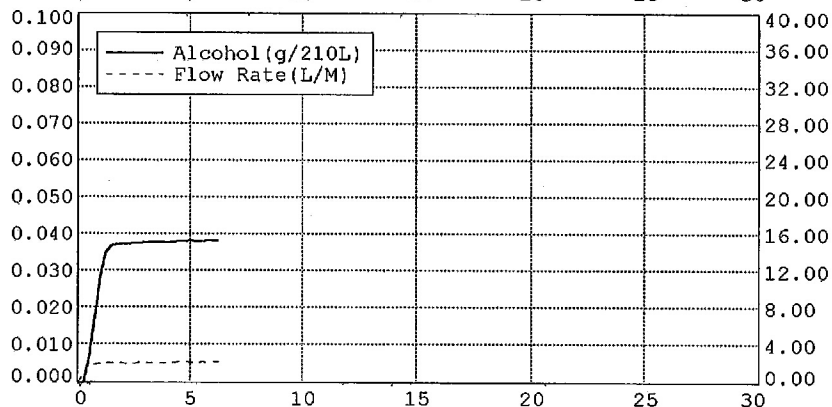
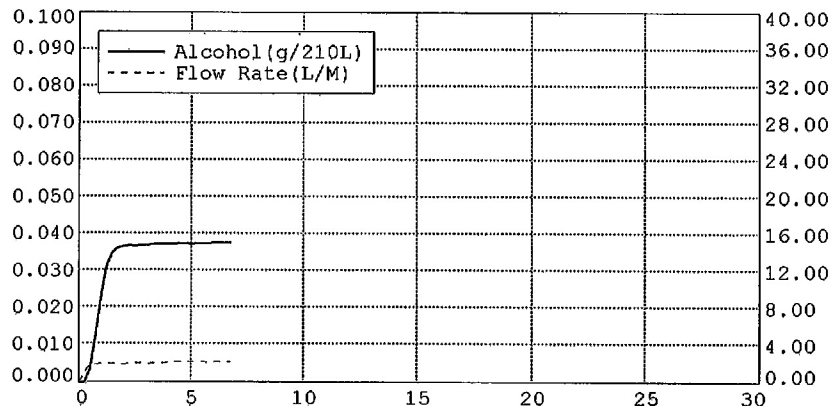
Date: 06/27/2011
Time: 13:20:03

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.63: 0.039
LOT #: 02811040A2
EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:21
INTERNAL STANDARD	VERIFIED	13:21
EXTERNAL STANDARD	0.038	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.039	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.039	13:24
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.039	13:25
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.039	13:26
BLANK TEST	0.000	13:27

Average = 0.0388
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100342

Date: 06/27/2011

Time: 13:32:02

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.63: 0.079

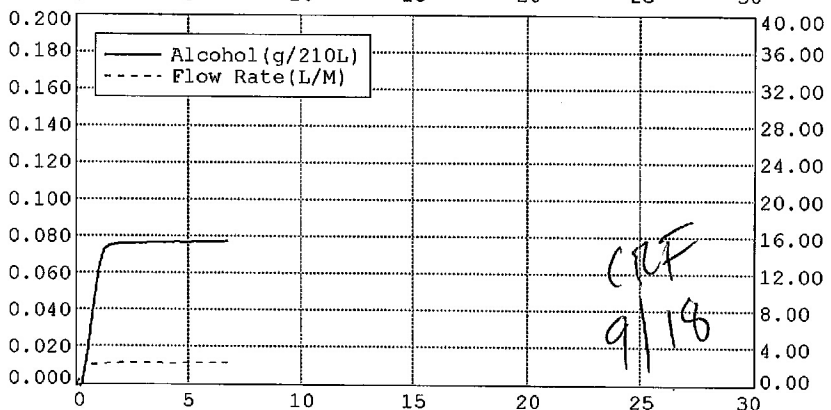
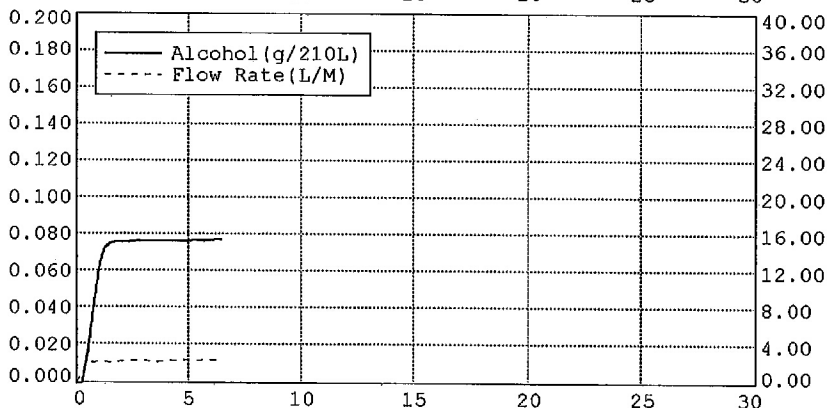
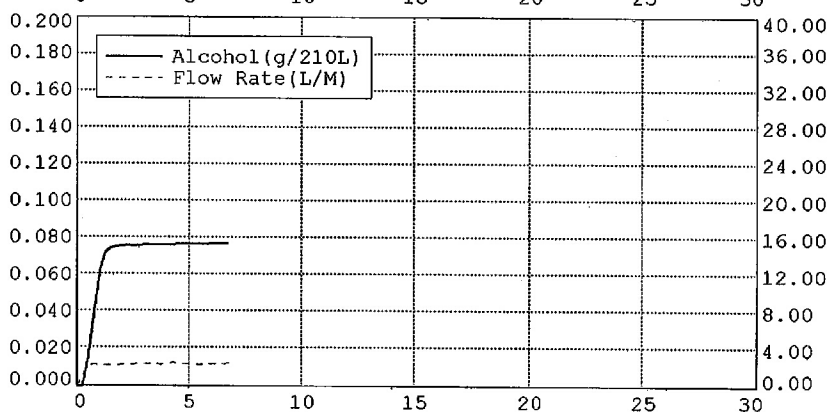
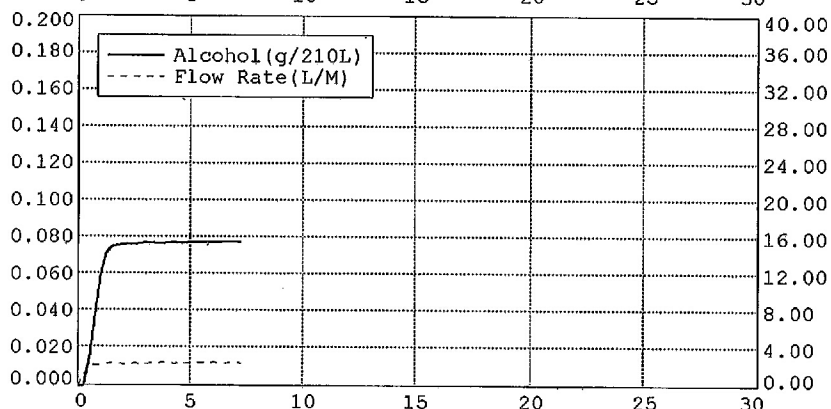
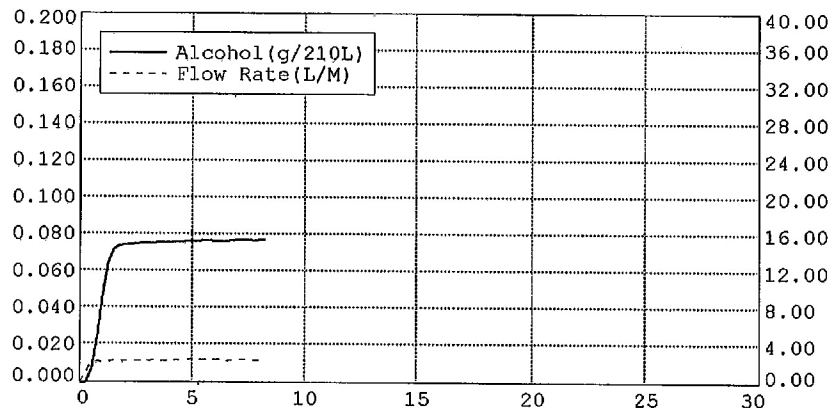
LOT #: 02511080A2

EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:33
INTERNAL STANDARD	VERIFIED	13:33
EXTERNAL STANDARD	0.078	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.078	13:35
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.078	13:36
BLANK TEST	0.000	13:37
EXTERNAL STANDARD	0.078	13:37
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.078	13:38
BLANK TEST	0.000	13:39

Average = 0.0780

Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER dmt: 100342

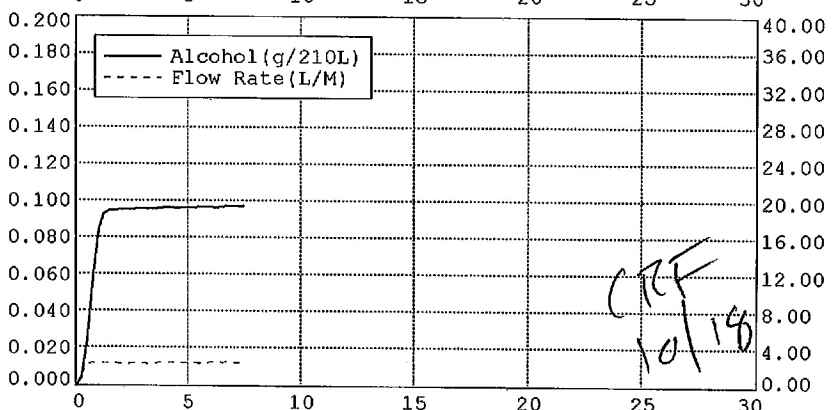
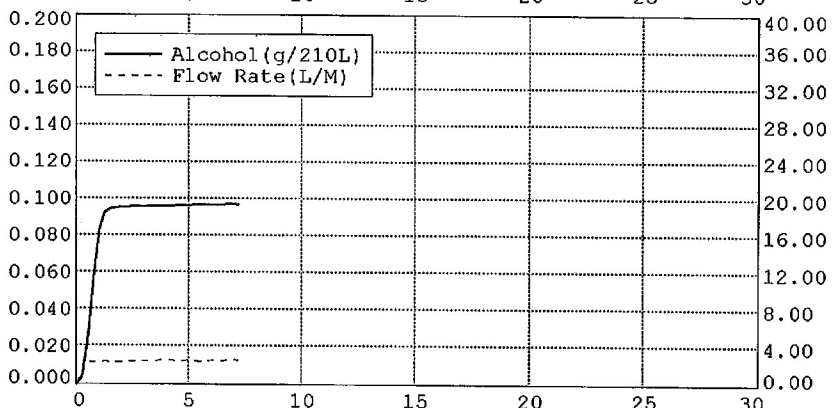
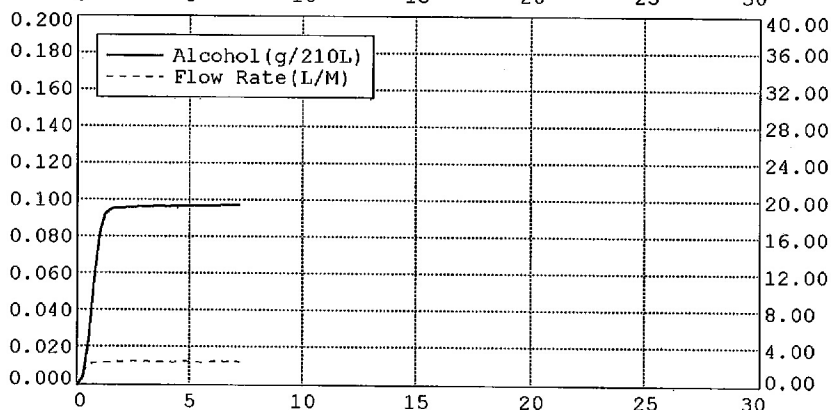
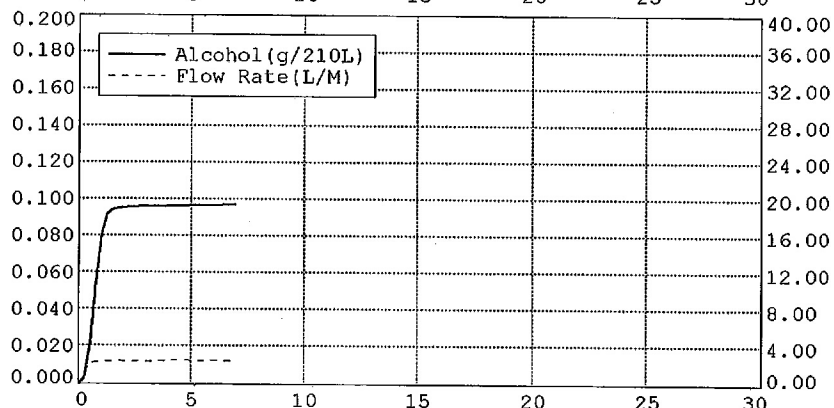
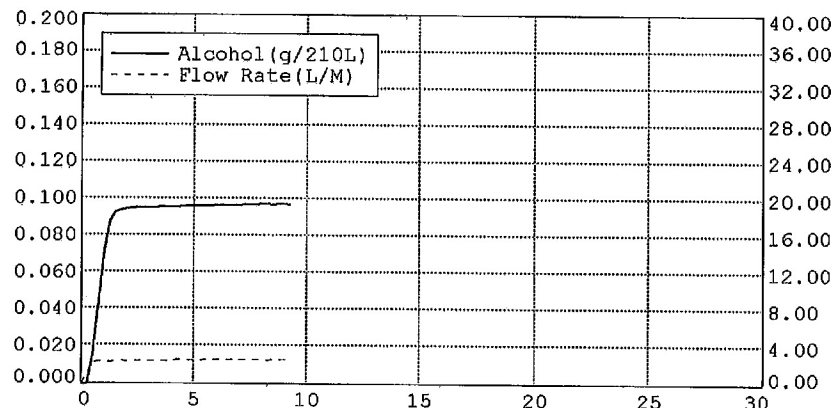
Date: 06/27/2011
Time: 13:40:17

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.63: 0.099
LOT #: 07611100A3
EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:42
INTERNAL STANDARD	VERIFIED	13:42
EXTERNAL STANDARD	0.098	13:42
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.098	13:44
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.098	13:45
BLANK TEST	0.000	13:46
EXTERNAL STANDARD	0.098	13:46
BLANK TEST	0.000	13:47
EXTERNAL STANDARD	0.098	13:47
BLANK TEST	0.000	13:48

Average = 0.0980
Std Dev = 0.0000



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
DATAMASTER dmt: 100342

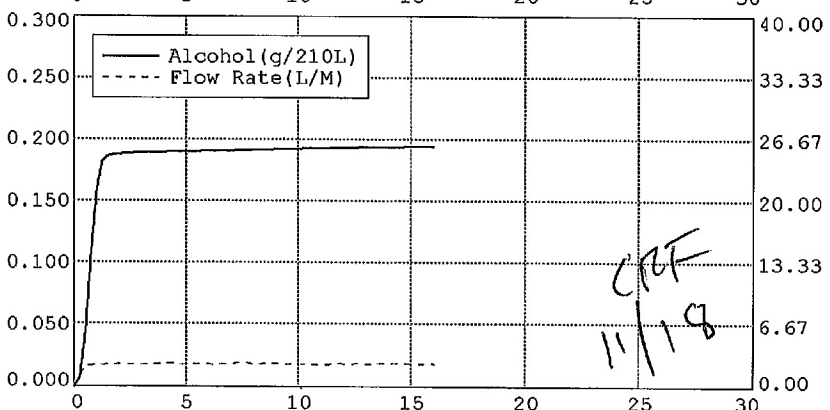
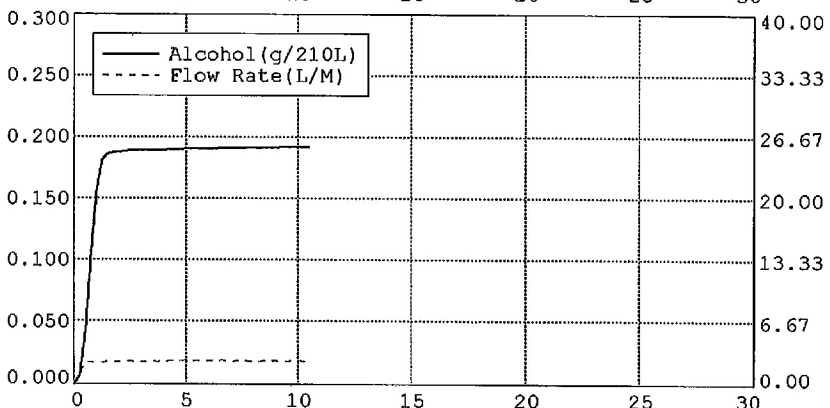
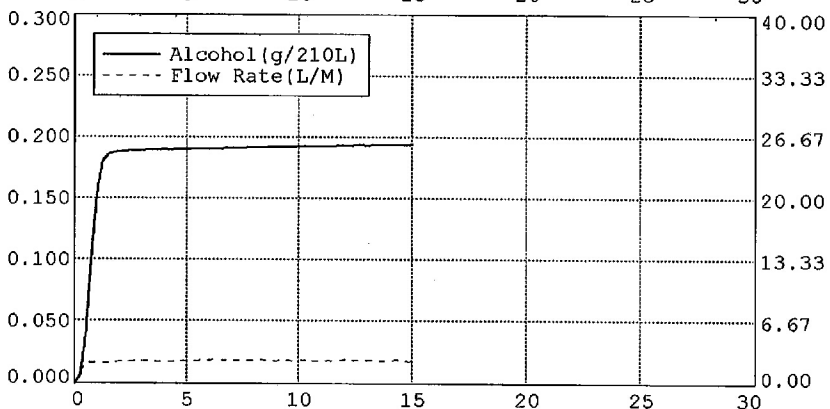
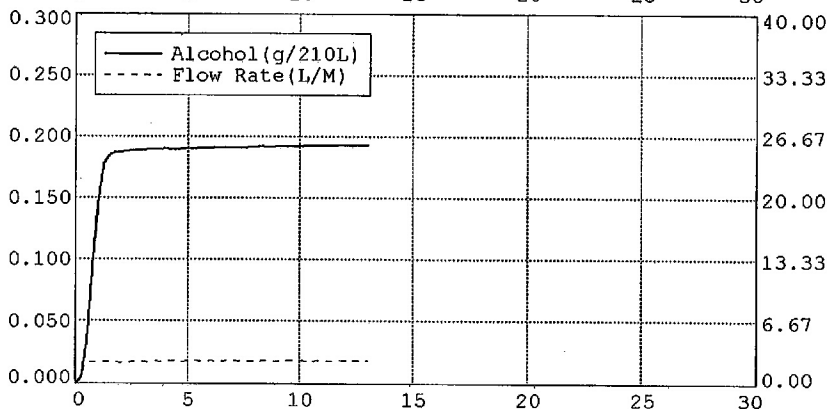
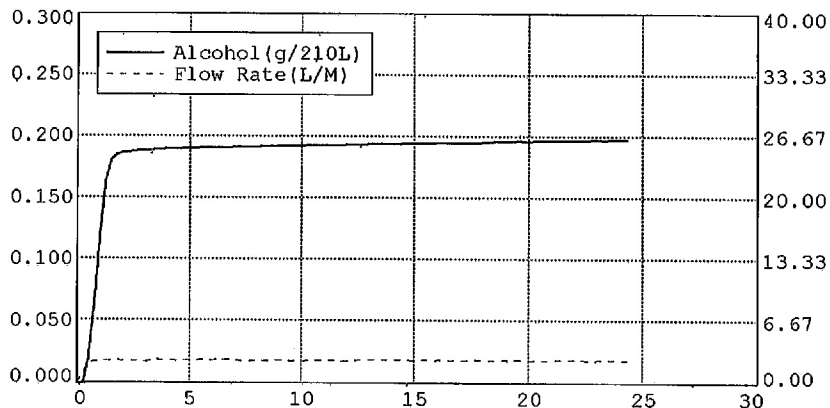
Date: 06/27/2011
Time: 13:49:14

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
TARGET AT 29.63: 0.198
LOT #: 07411200A2
EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:50
INTERNAL STANDARD	VERIFIED	13:51
EXTERNAL STANDARD	0.198	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.194	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.195	13:54
BLANK TEST	0.000	13:55
EXTERNAL STANDARD	0.193	13:55
BLANK TEST	0.000	13:56
EXTERNAL STANDARD	0.195	13:57
BLANK TEST	0.000	13:57

Average = 0.1950
Std Dev = 0.0019



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100342

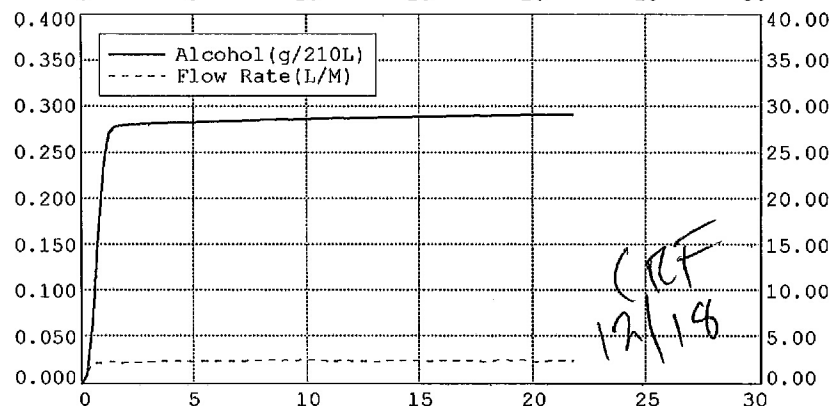
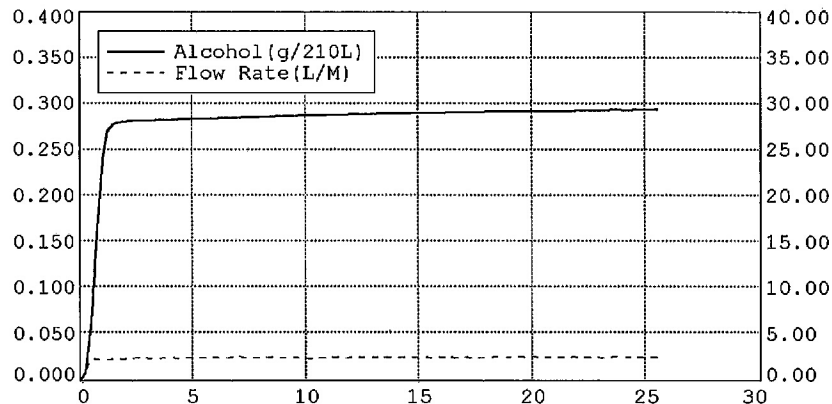
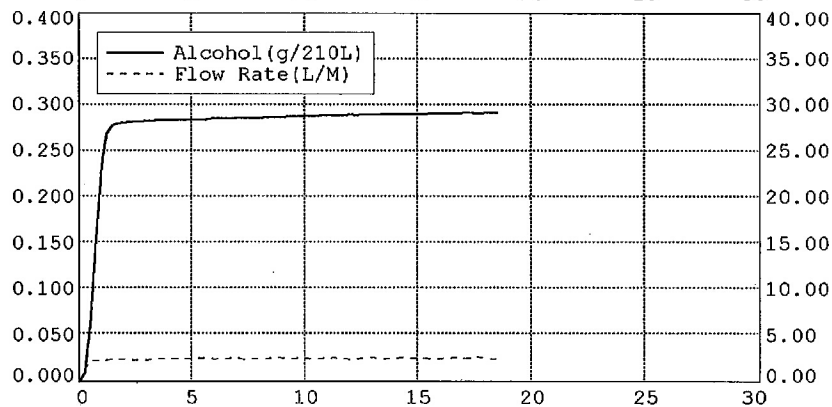
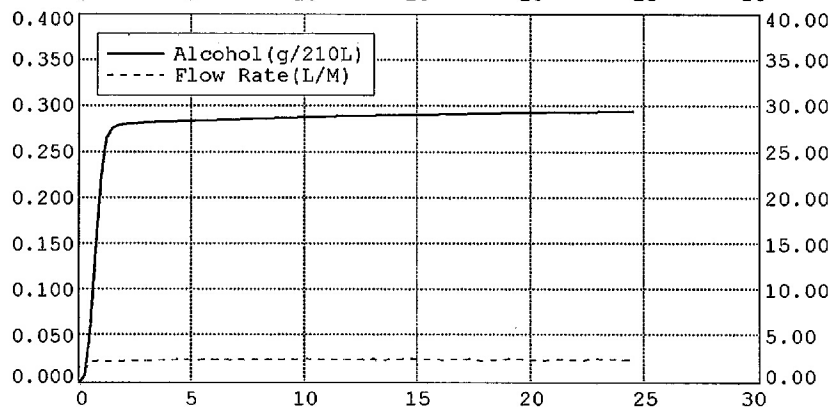
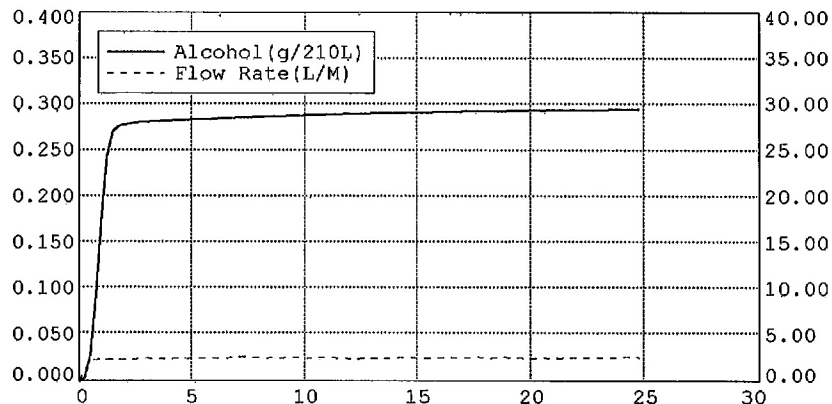
Date: 06/27/2011
Time: 14:12:46

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.62: 0.296
LOT #: 07411300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:14
INTERNAL STANDARD	VERIFIED	14:14
EXTERNAL STANDARD	0.294	14:15
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.295	14:16
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.291	14:18
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.294	14:20
BLANK TEST	0.000	14:21
EXTERNAL STANDARD	0.291	14:22
BLANK TEST	0.000	14:23

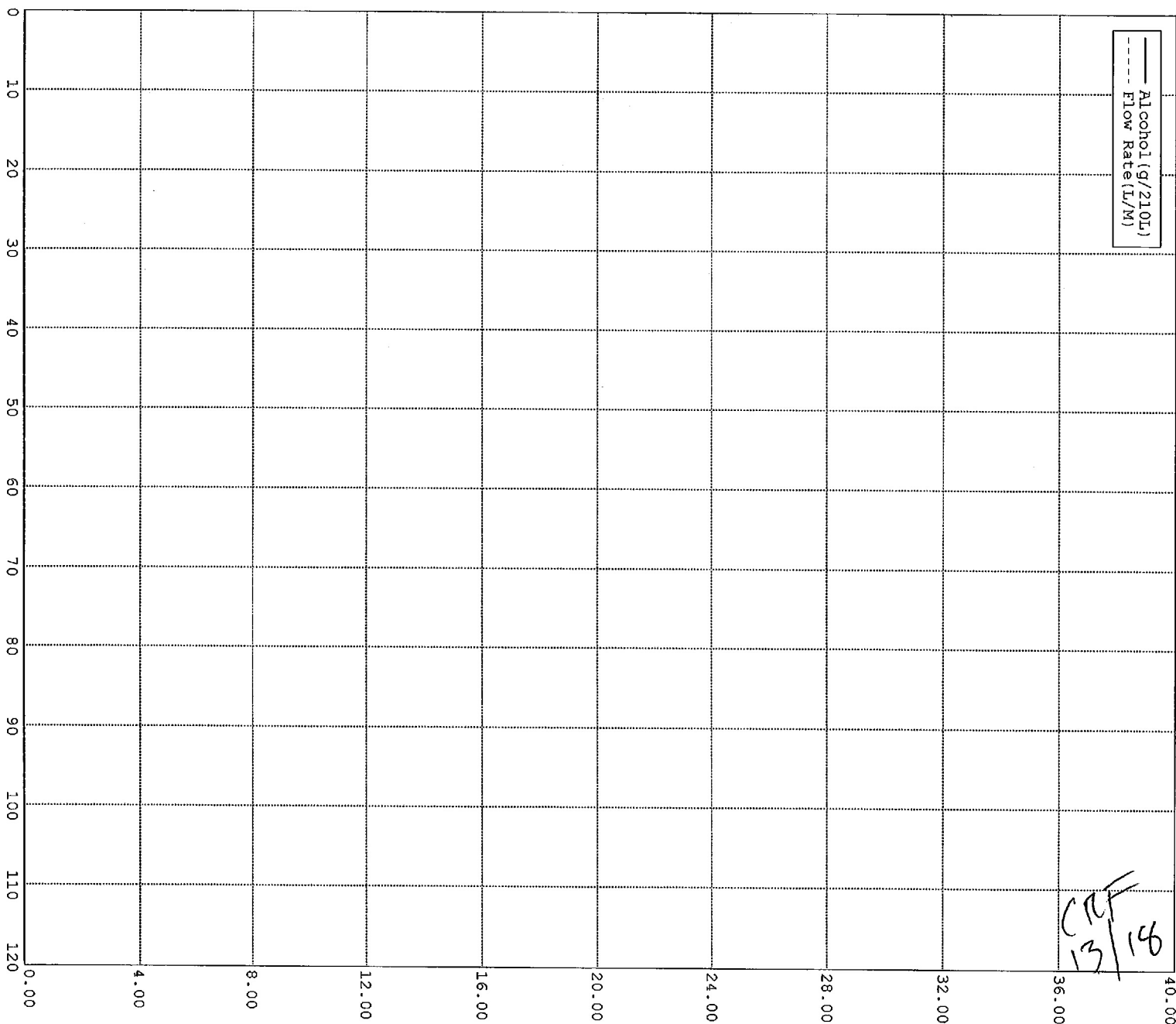
Average = 0.2930
Std Dev = 0.0019



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100342Date: 06/28/2011
Time: 10:44:27SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
INCOMPLETE XXXX
OPERATOR'S #: XXXXDEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.37: 0.078
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:45
BLANK TEST	0.000	10:45
INTERNAL STANDARD	VERIFIED	10:45
EXTERNAL STANDARD	0.078	10:45
BLANK TEST	0.000	10:46
SUBJECT SAMPLE	INCOMPLETE	10:48

Alcohol (g/210L)
Flow Rate (L/M)

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dnt: 100342

Date: 06/28/2011
 Time: 10:58:20

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

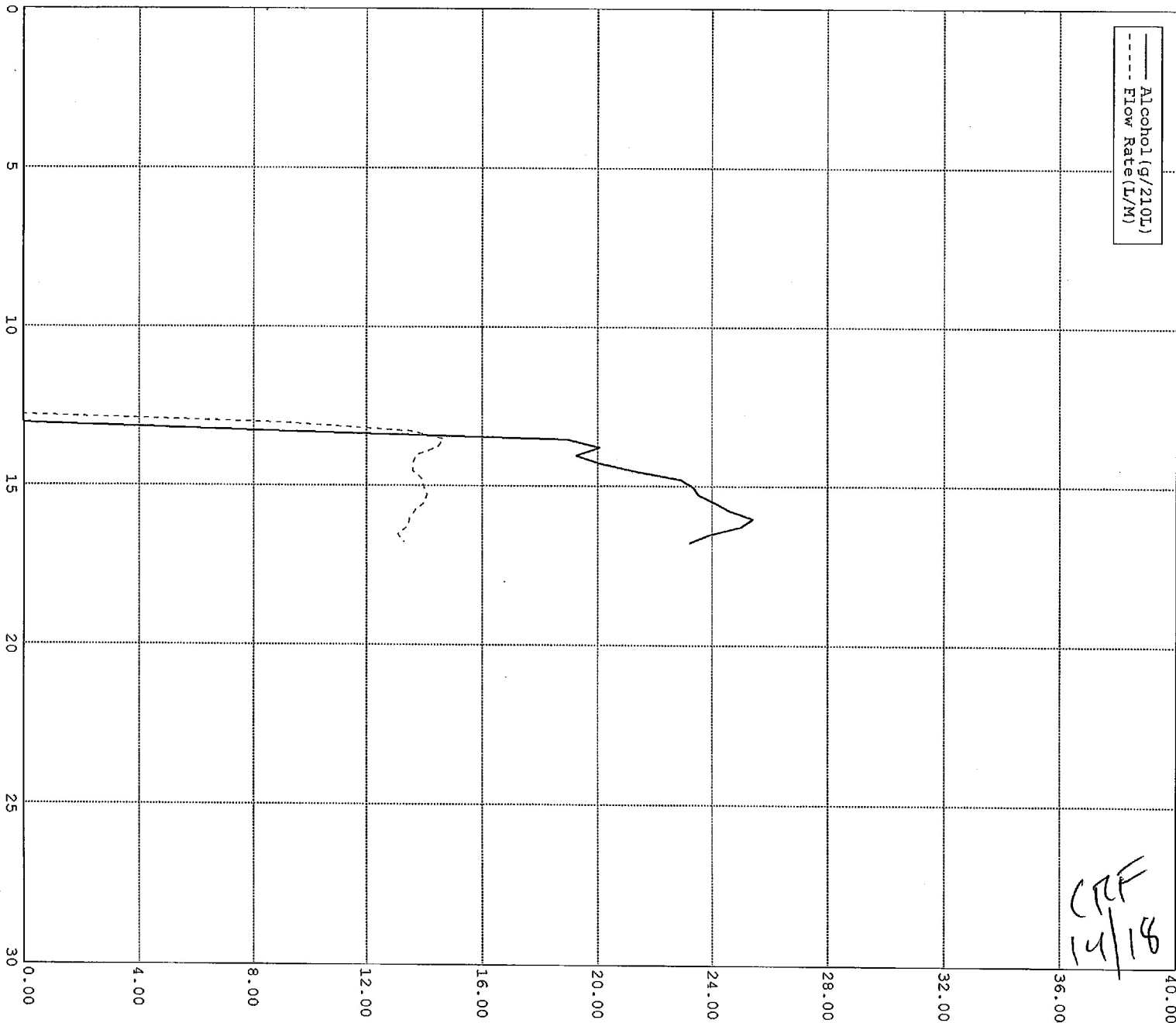
OPERATOR NAME:
 INVALID KNOWN MOUTH ETOH
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.37: 0.078
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:00
BLANK TEST	0.000	11:00
INTERNAL STANDARD	VERIFIED	11:00
EXTERNAL STANDARD	0.078	11:00
BLANK TEST	0.000	11:01
SUBJECT SAMPLE	Invalid	11:02

CRF



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100342

Date: 06/28/2011
 Time: 11:12:16

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

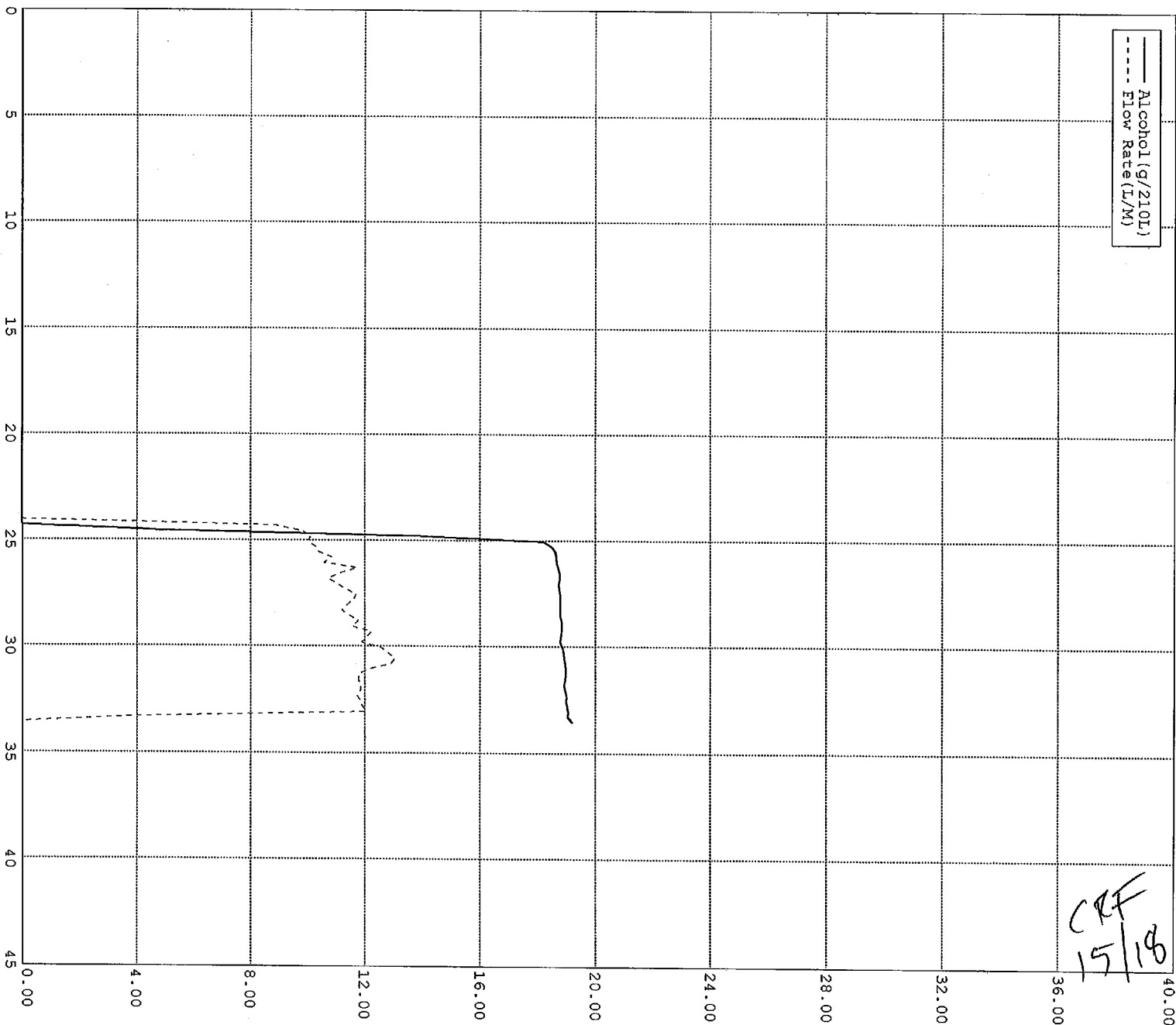
OPERATOR NAME:
 INTERFERENCE ETCH AND ACETONE
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.37: 0.078
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:13
BLANK TEST	0.000	11:13
INTERNAL STANDARD	VERIFIED	11:14
EXTERNAL STANDARD	0.077	11:14
BLANK TEST	0.000	11:15
SUBJECT SAMPLE	INTERFERENCE	11:15

CRF



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100342

Date: 06/28/2011
 Time: 11:18:07

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

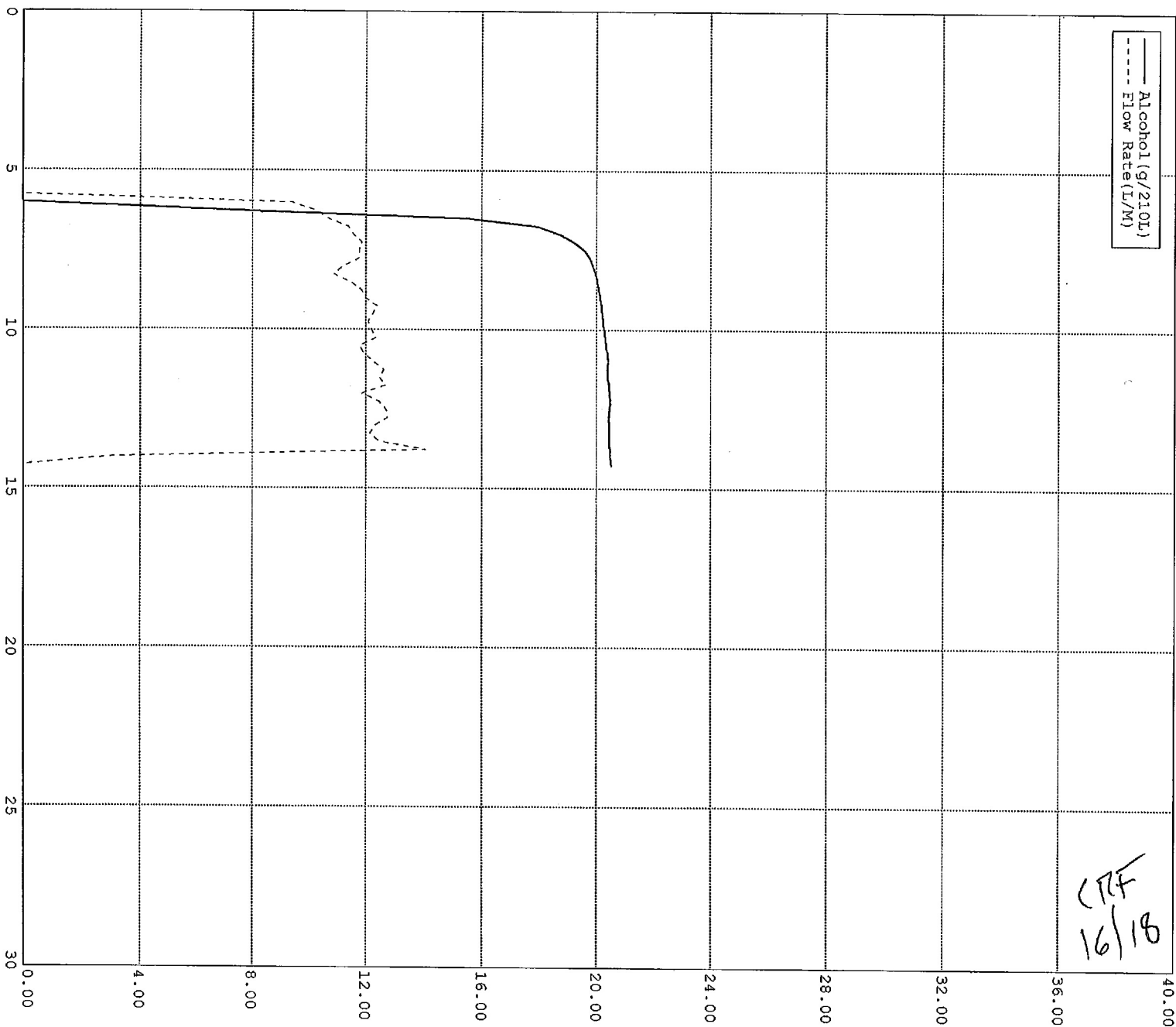
OPERATOR NAME:
 INTERFERENCE ETOH AND IPA
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.37: 0.078
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:19
BLANK TEST	0.000	11:19
INTERNAL STANDARD	VERIFIED	11:20
EXTERNAL STANDARD	0.078	11:20
BLANK TEST	0.000	11:21
SUBJECT SAMPLE	INTERFERENCE	11:21

Alcohol(g/21.0L)
 Flow Rate(L/M)



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100342

Date: 06/28/2011
Time: 11:24:54

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

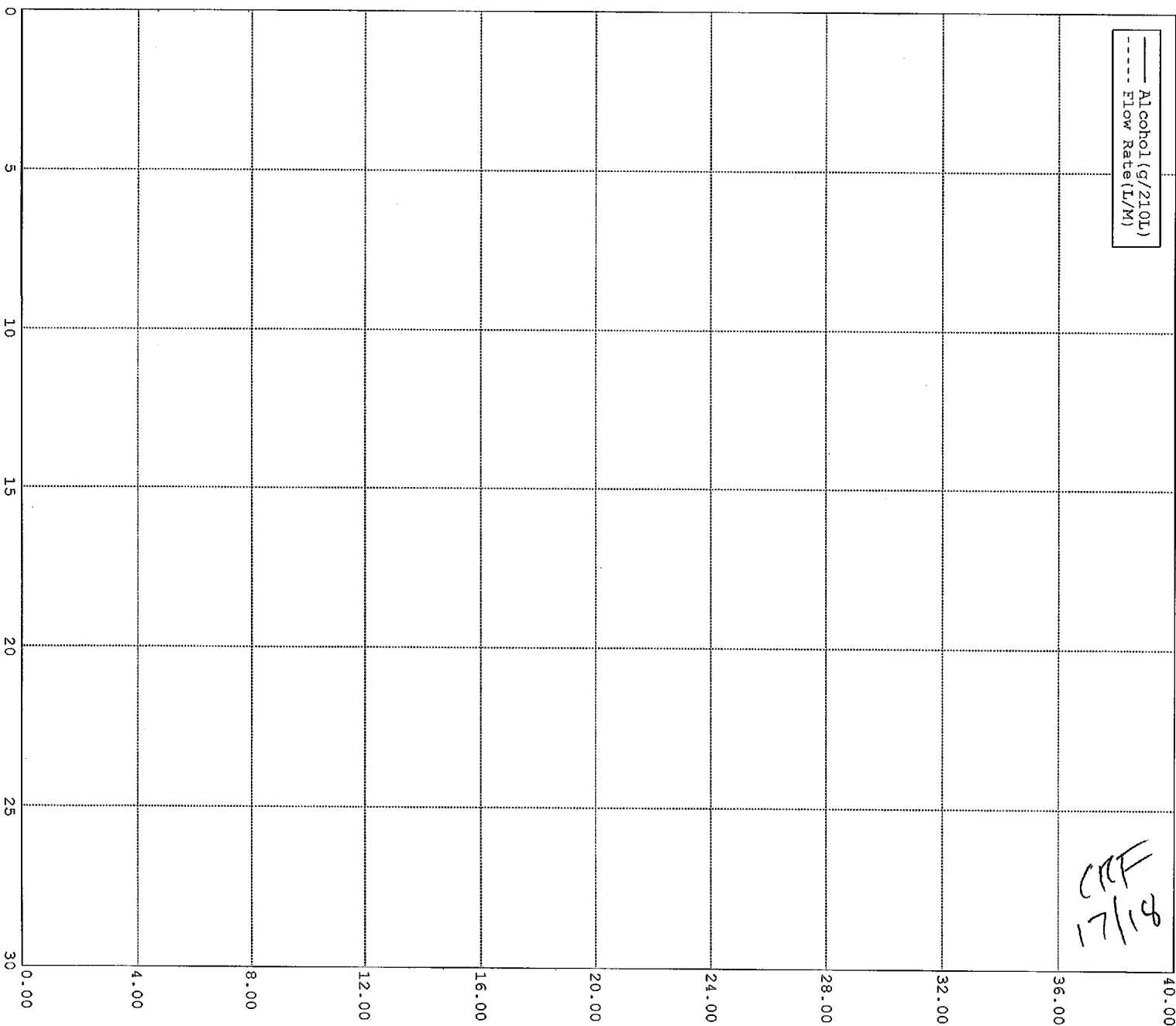
OPERATOR NAME:
RFI XXXX
OPERATOR'S #: XXXX

DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.36: 0.078
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
BLANK TEST PASSED 11:25
INTERNAL STANDARD VERIFIED 11:26
EXTERNAL STANDARD 0.078 11:26
BLANK TEST 0.000 11:27

RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100342

Date: 06/28/2011
Time: 11:35:41

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

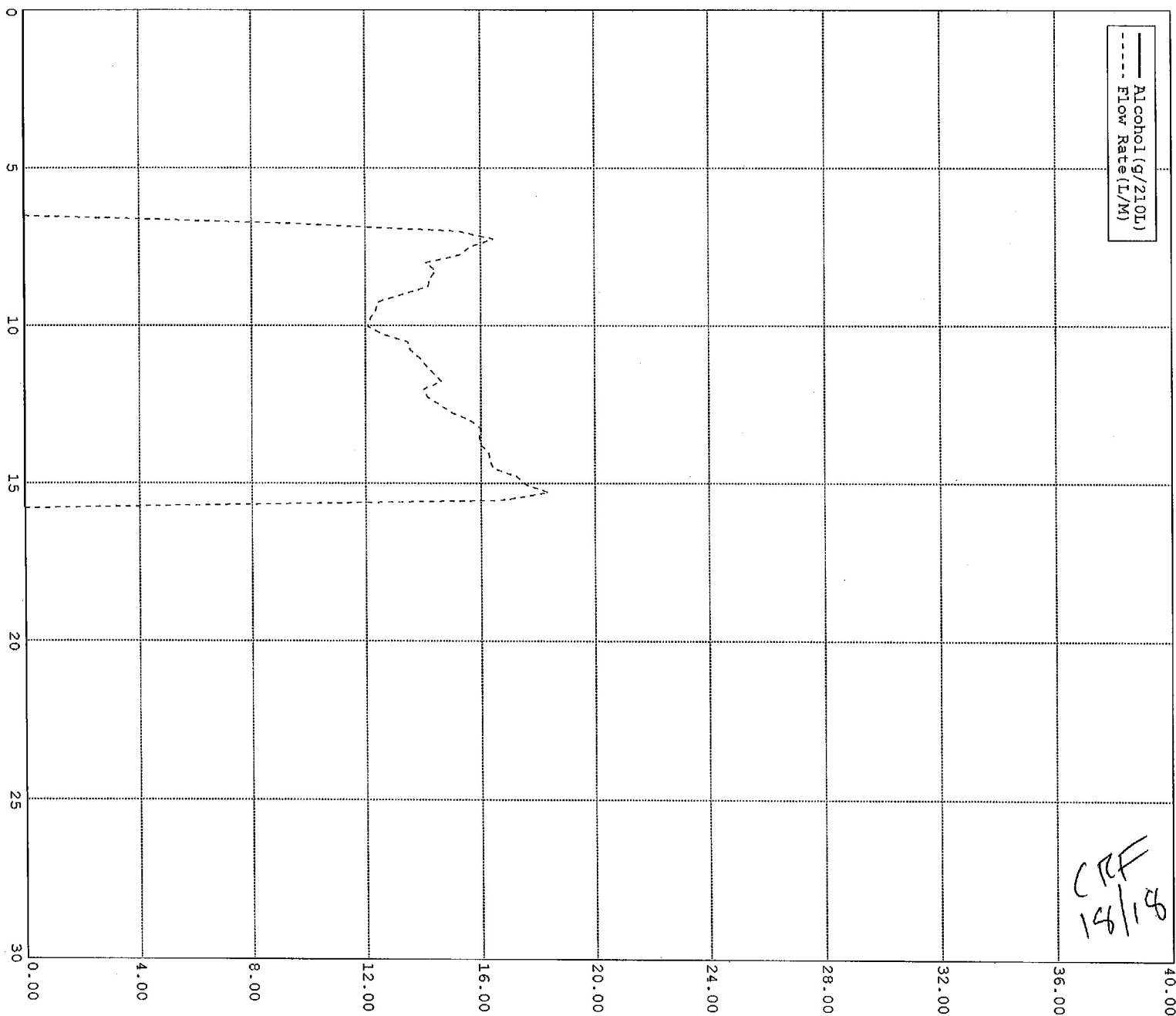
OPERATOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734

DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.36: 0.078
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:36
BLANK TEST	0.000	11:36
INTERNAL STANDARD	VERIFIED	11:36
EXTERNAL STANDARD	0.077	11:37
BLANK TEST	0.000	11:38
SUBJECT SAMPLE	0.000	11:38
BLANK TEST	0.000	11:39
EXTERNAL STANDARD	0.078	11:39
BLANK TEST	0.000	11:40

CRF



Final page for report

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7/23/2013