	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 # 100367Analyst CTFDate 10/11/11

1. Diagnostic Test (attached)

2. Voltage Checks

a. 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 1400 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 33609080A1 Exp 1/1/12iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 3/1/13v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/1/13vi. 0.300g/210L Mnf ILMO Lot 07611300A1 Exp 3/1/13

6. Functional Tests (attached)

a. Incomplete ☒b. Invalid ☒c. Interference ☒i. Acetone - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/121. Simulator Calibration Date 12/15/10 SN D124176ii. Isopropanol - Mnf Guth Lot 10280 Level 0.040 Exp 11/17/121. Simulator Calibration Date 12/16/10 SN SD1198d. RFI ☒7. Calibrate Stylus ☒8. Verify card reader is functional ☒9. Upload ☒10. Reset Options ☒

11. Non-Drinking Subject Test (attached)

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CTF

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100367

Date: 10/11/2011
Time: 13:57:28

VERSIONS

DMT: 1.01
PIC: 3.03
Modem: 2.0
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 43.7°C	PASSED

PUMP INFO

Flow Rate = 4.645 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

INTERNAL STANDARD	PASSED
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CRF

Technician Screen

DATAMASTER dmt: 100367
-----Date: 10/11/2011
Time: 2:00 PM

Temperatures (°C)

Sample Cell: 48.9°C
Breath Tube: 43.2°CCurrent Barometer 29.5 in
Volume (Ltr) 1.51

Settings

Lamp: 1.61 V
Bias: 80 V
Cooler: 1.59 V
Chopper: 525 Hz

Voltages (V)

Flow: 1.03 V
Detector: -0.032 V3/18
CRF

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100367

Date: 09/29/2011
Time: 12:28:46

Ca = 0.1010
CAL = 0.999984 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0045 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.0788 0.0500 <= Xq < 0.2000
a21 = 1.173362 1.050 <= a21 < 1.300
a31 = 0.403456 0.300 <= a31 < 0.800

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CRF

SUBJECT TEST

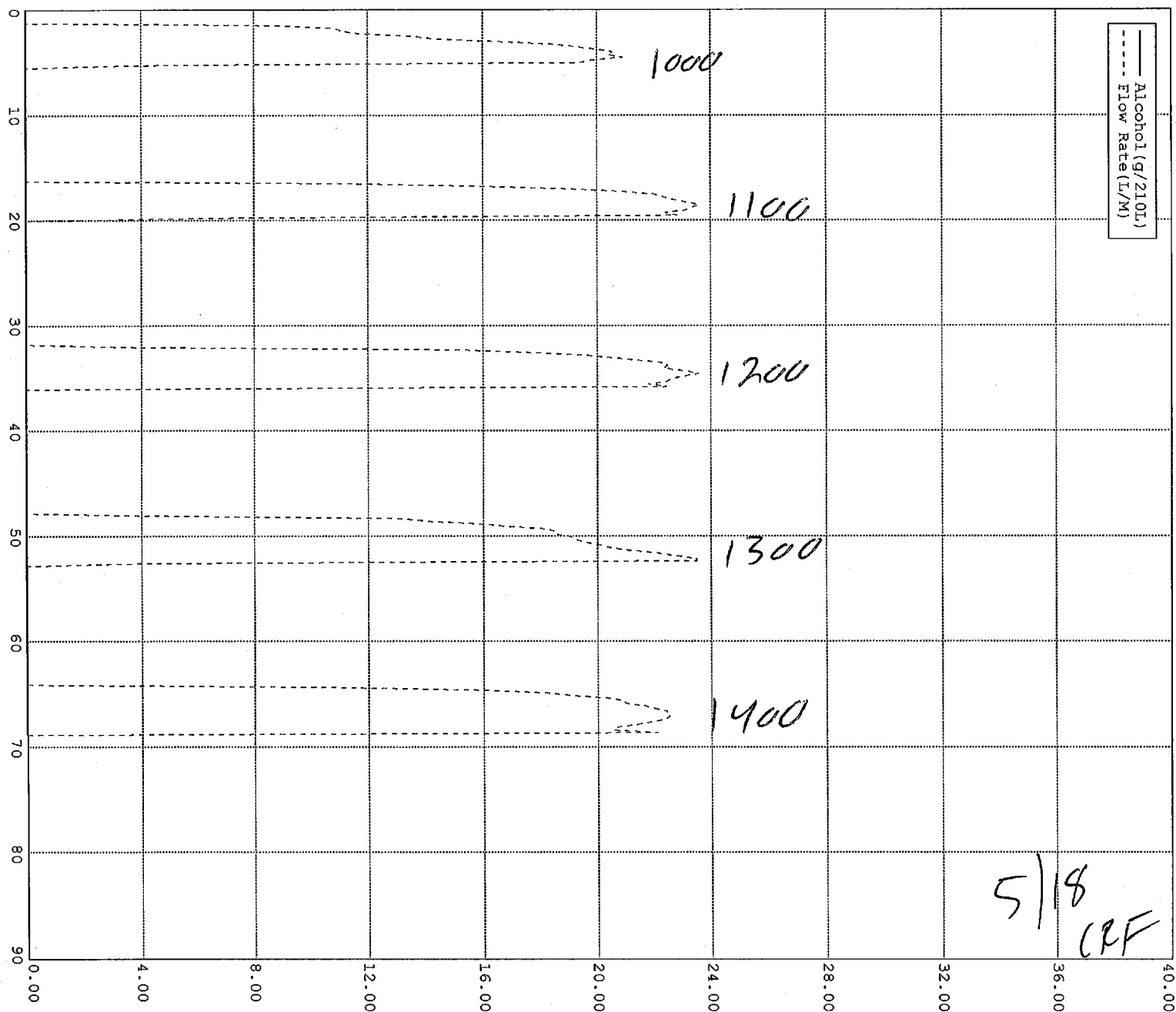
Alaska Department of Public Safety
DATA MASTER dmt: 100367Date: 10/11/2011
Time: 14:09:09SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
MINIMUM VOLUME
OPERATOR'S #: XXXXDEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.48: 0.078
LOT #: 33609080A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:10
BLANK TEST	0.000	14:10
INTERNAL STANDARD	VERIFIED	14:10
EXTERNAL STANDARD	0.080	14:10
BLANK TEST	0.000	14:11
SUBJECT SAMPLE	0.000	14:12
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.080	14:13
BLANK TEST	0.000	14:14

CRF



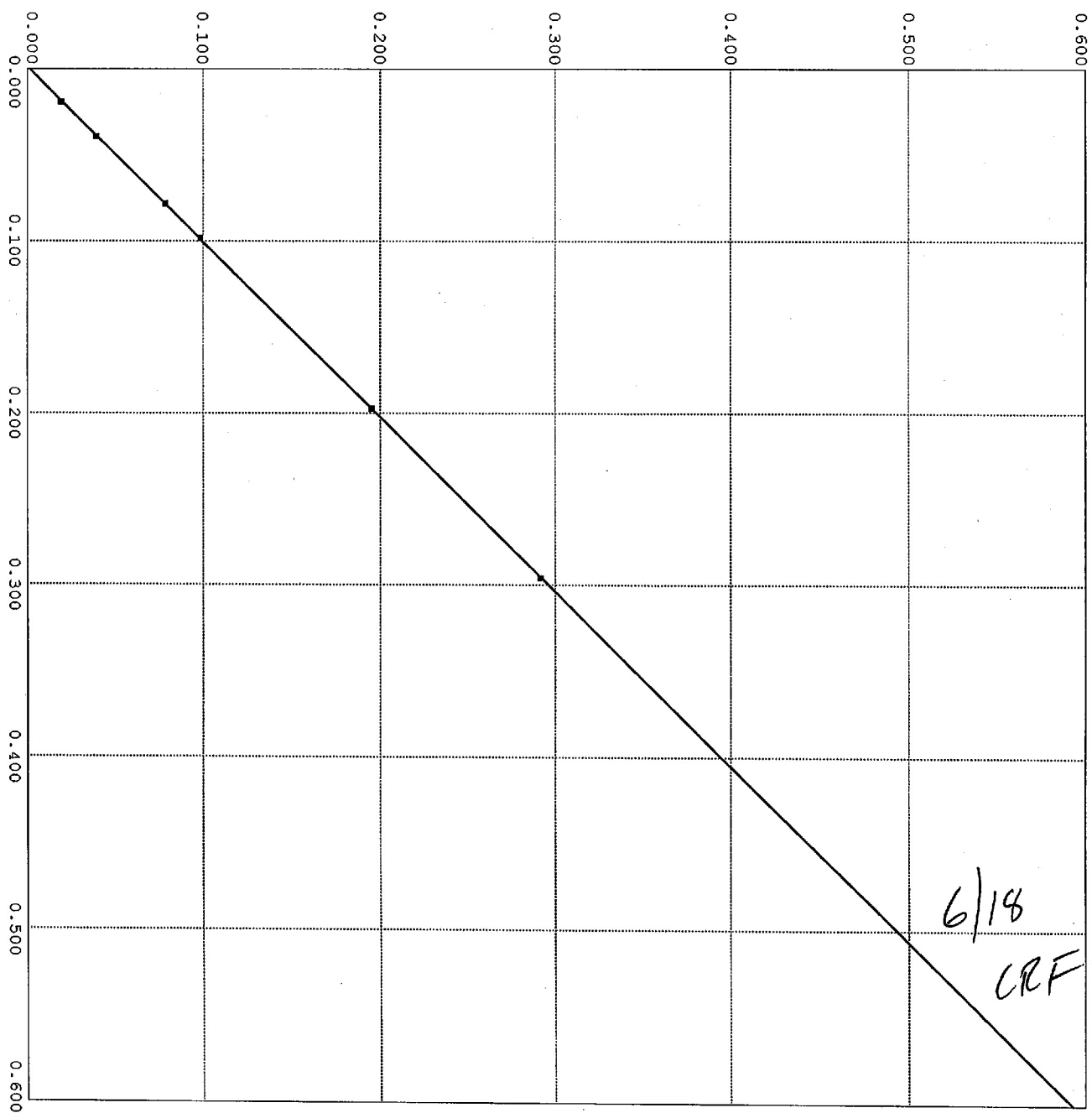
LINEARITY CHECK

Alaska Department of Public Safety
DATA MASTER dmt: 100367Date: 10/11/2011
Time: 14:20:08SUPERVISOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0202	0.0004
0.039	0.0398	0.0004
0.078	0.0790	0.0000
0.098	0.0992	0.0004
0.197	0.1962	0.0004
0.295	0.2924	0.0009

SLOPE = 0.986108
 R^2 = 0.999990

CRF



LINEARITY CHECK: Control Test 1

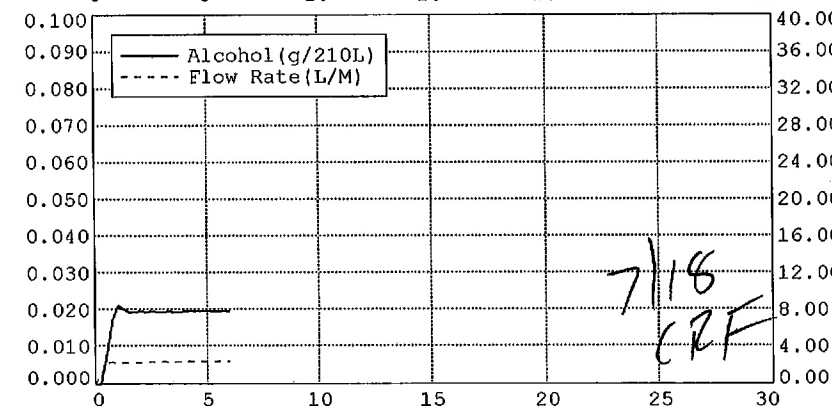
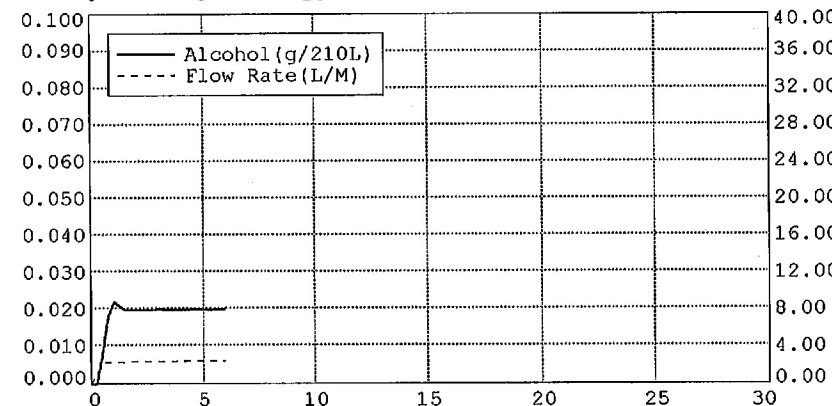
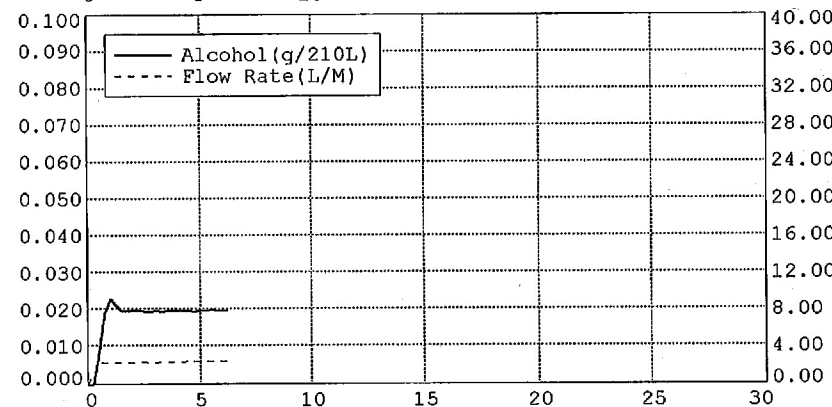
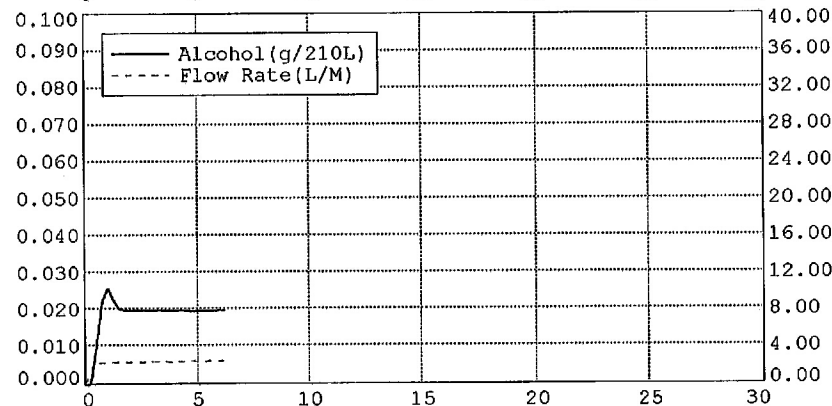
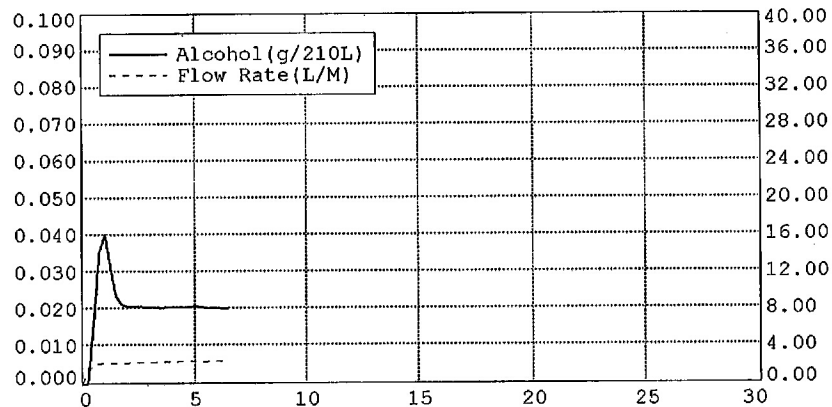
Alaska Department of Public Safety
DATAMASTER dmt: 100367

Date: 10/11/2011
Time: 14:20:09

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.48: 0.019
LOT #: 15210020A1
EXPIRATION: 07/01/2012

BLANK TEST	0.000	14:21
INTERNAL STANDARD	VERIFIED	14:21
EXTERNAL STANDARD	0.021	14:21
BLANK TEST	0.000	14:22
EXTERNAL STANDARD	0.020	14:23
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.020	14:24
BLANK TEST	0.000	14:25
EXTERNAL STANDARD	0.020	14:25
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.020	14:26
BLANK TEST	0.000	14:27

Average = 0.0202
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100367

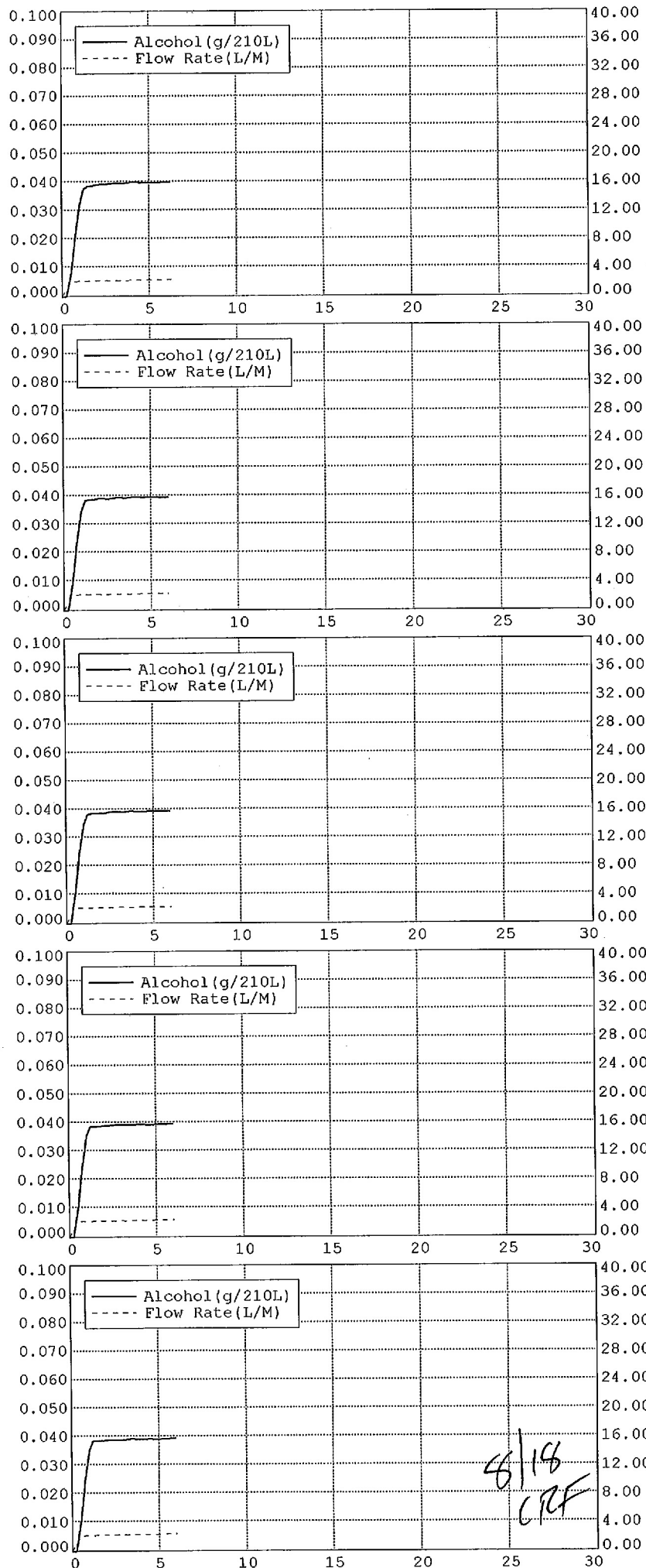
Date: 10/11/2011
Time: 14:28:01

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.48: 0.039
LOT #: 02811040A2
EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:29
INTERNAL STANDARD	VERIFIED	14:29
EXTERNAL STANDARD	0.040	14:29
BLANK TEST	0.000	14:30
EXTERNAL STANDARD	0.040	14:30
BLANK TEST	0.000	14:31
EXTERNAL STANDARD	0.040	14:31
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.040	14:32
BLANK TEST	0.000	14:33
EXTERNAL STANDARD	0.039	14:34
BLANK TEST	0.000	14:34

Average = 0.0398
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100367

Date: 10/11/2011

Time: 14:35:56

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.49: 0.078

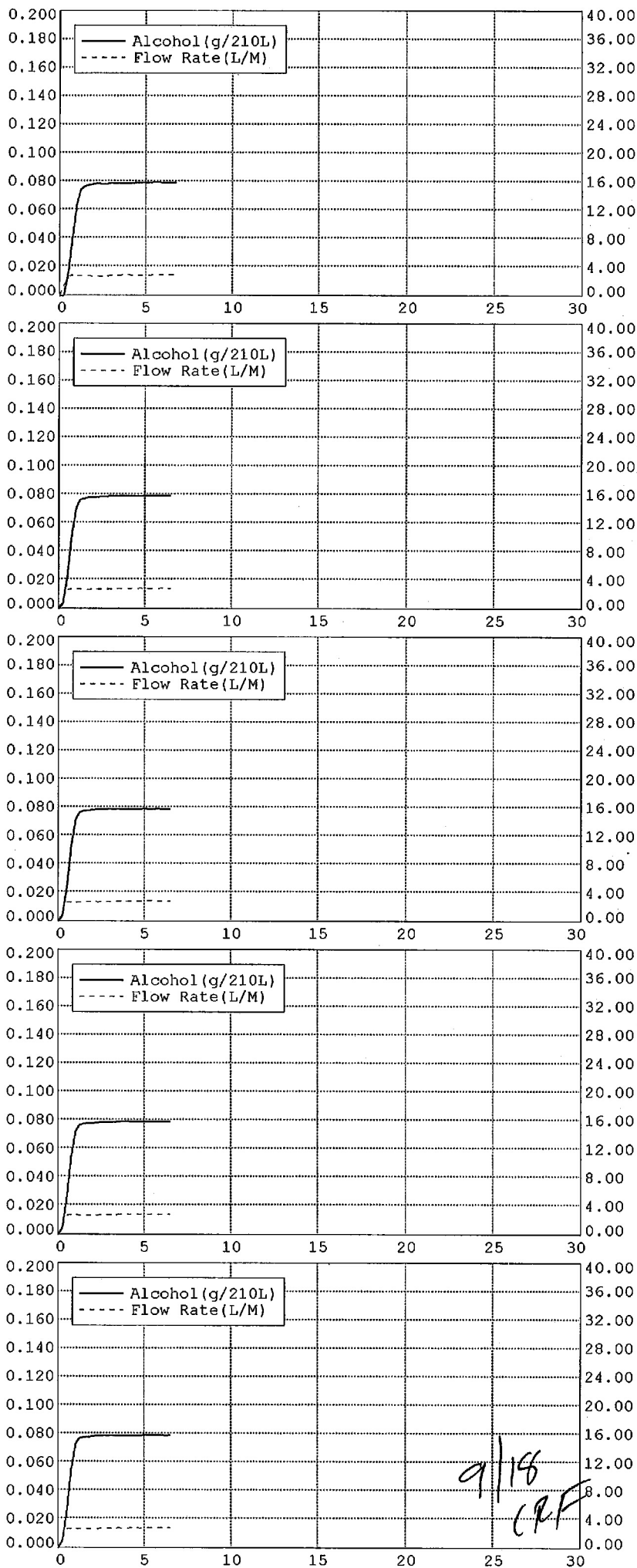
LOT #: 33609080A1

EXPIRATION: 01/01/2012

BLANK TEST	0.000	14:37
INTERNAL STANDARD	VERIFIED	14:37
EXTERNAL STANDARD	0.079	14:37
BLANK TEST	0.000	14:38
EXTERNAL STANDARD	0.079	14:38
BLANK TEST	0.000	14:39
EXTERNAL STANDARD	0.079	14:39
BLANK TEST	0.000	14:40
EXTERNAL STANDARD	0.079	14:40
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.079	14:42
BLANK TEST	0.000	14:42

Average = 0.0790

Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER dmt: 100367

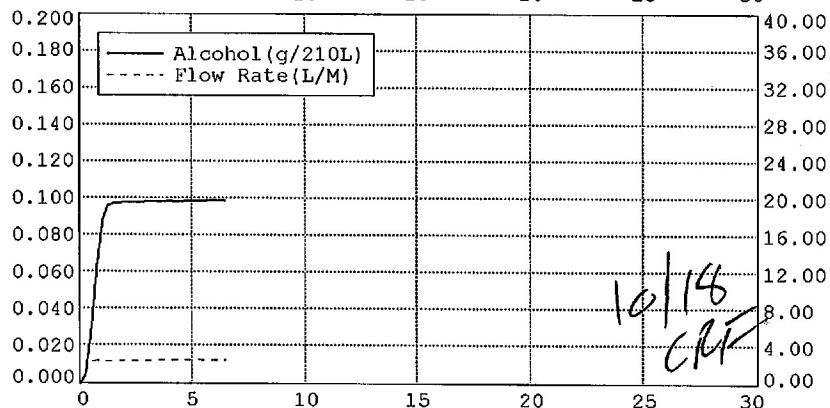
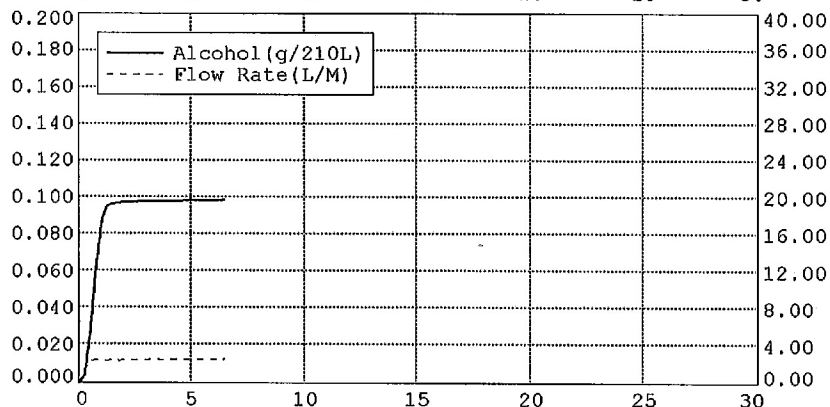
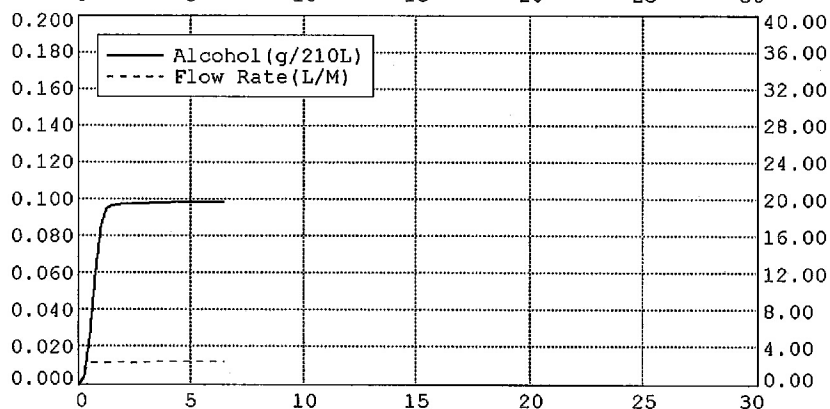
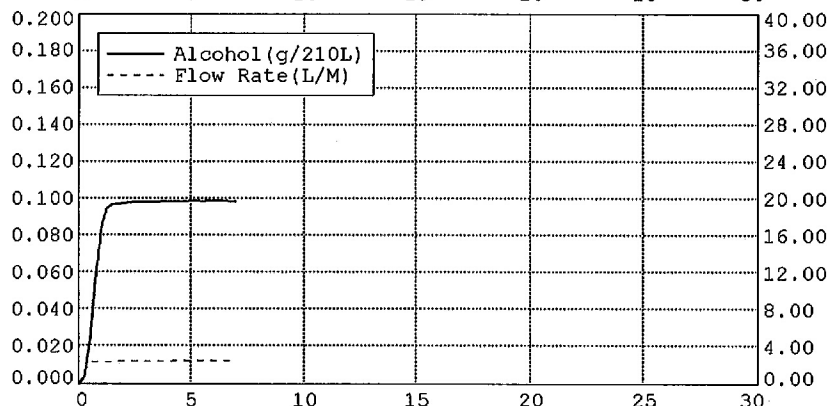
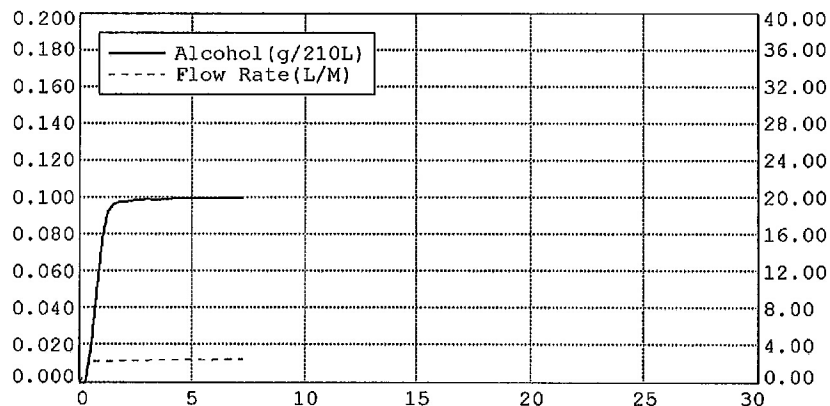
Date: 10/11/2011
Time: 14:43:40

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.49: 0.098
LOT #: 05611100A2
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:45
INTERNAL STANDARD	VERIFIED	14:45
EXTERNAL STANDARD	0.100	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.099	14:46
BLANK TEST	0.000	14:47
EXTERNAL STANDARD	0.099	14:47
BLANK TEST	0.000	14:48
EXTERNAL STANDARD	0.099	14:48
BLANK TEST	0.000	14:49
EXTERNAL STANDARD	0.099	14:49
BLANK TEST	0.000	14:50

Average = 0.0992
Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
DATAMASTER dmt: 100367

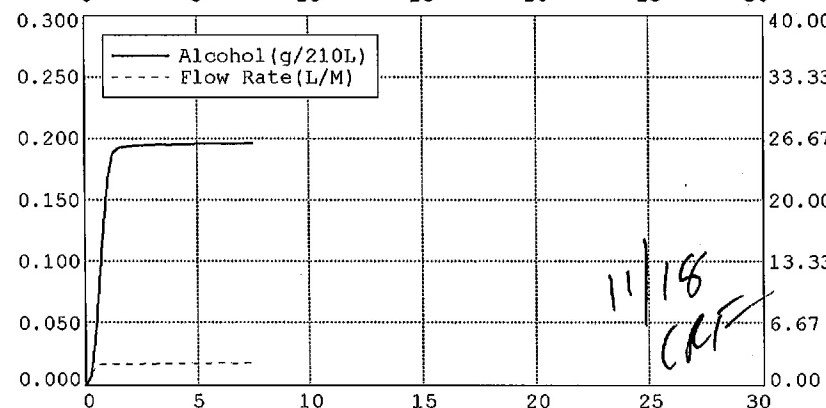
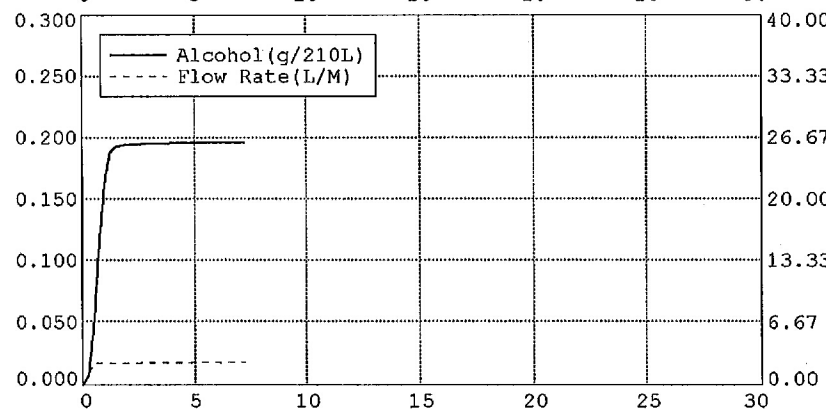
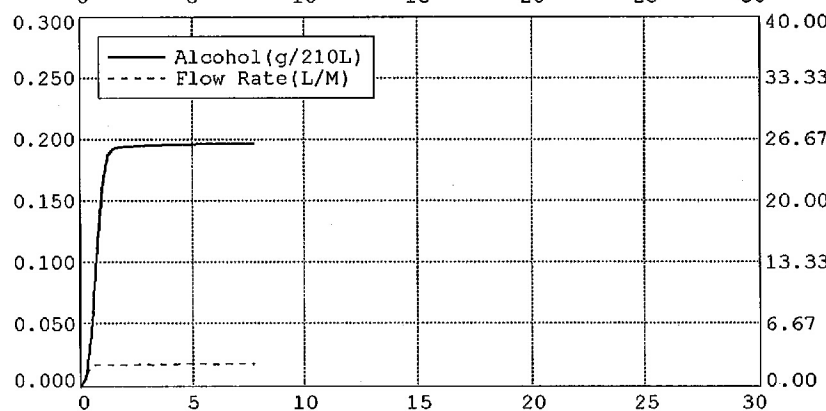
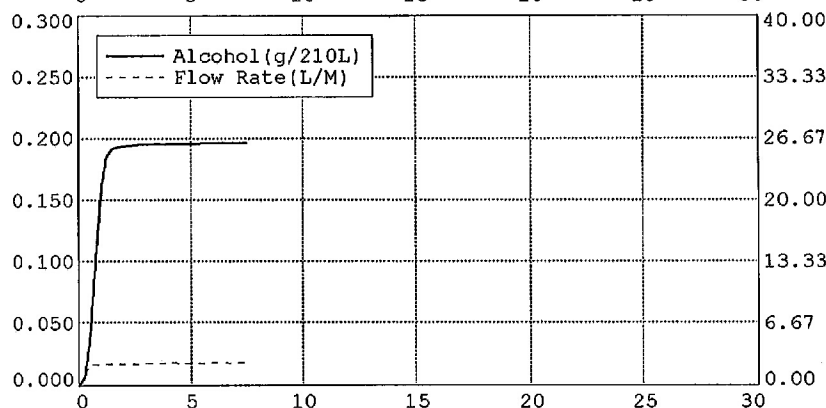
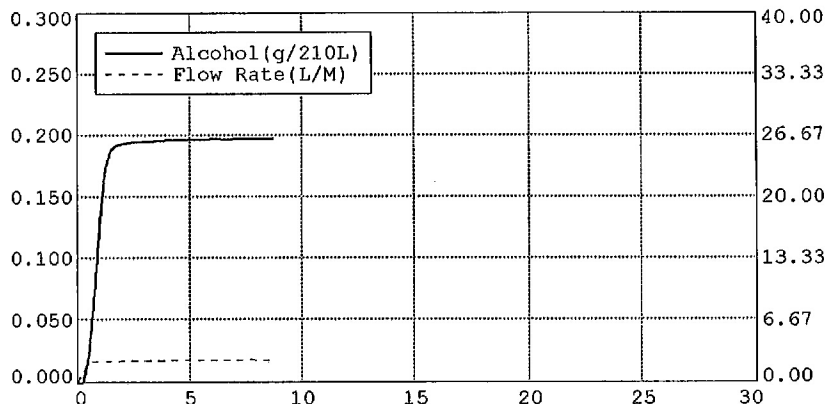
Date: 10/11/2011
Time: 14:51:26

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
TARGET AT 29.48: 0.197
LOT #: 07411200A2
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:52
INTERNAL STANDARD	VERIFIED	14:52
EXTERNAL STANDARD	0.197	14:53
BLANK TEST	0.000	14:54
EXTERNAL STANDARD	0.196	14:54
BLANK TEST	0.000	14:55
EXTERNAL STANDARD	0.196	14:55
BLANK TEST	0.000	14:56
EXTERNAL STANDARD	0.196	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.196	14:57
BLANK TEST	0.000	14:58

Average = 0.1962
Std Dev = 0.0004



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100367

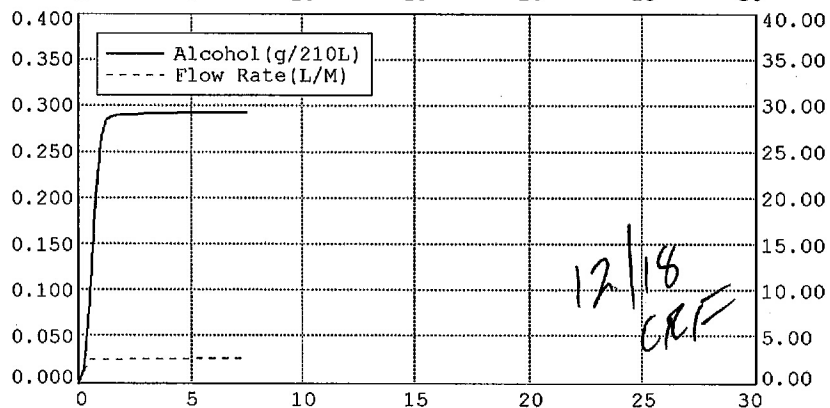
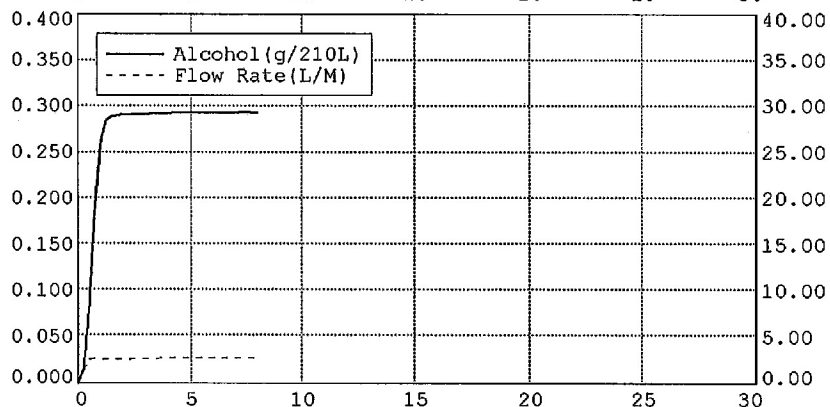
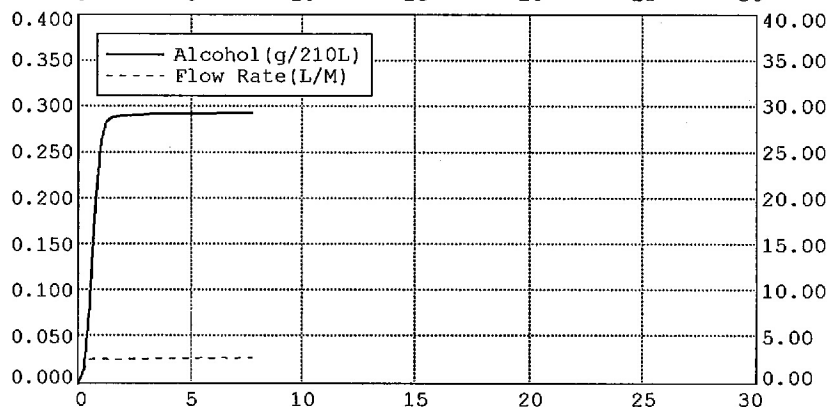
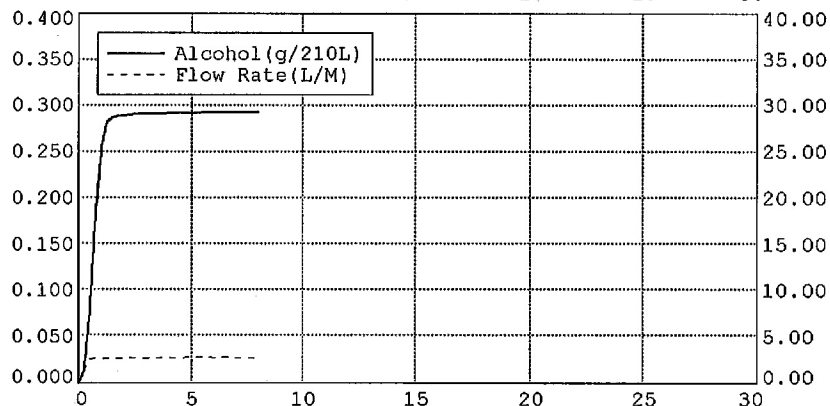
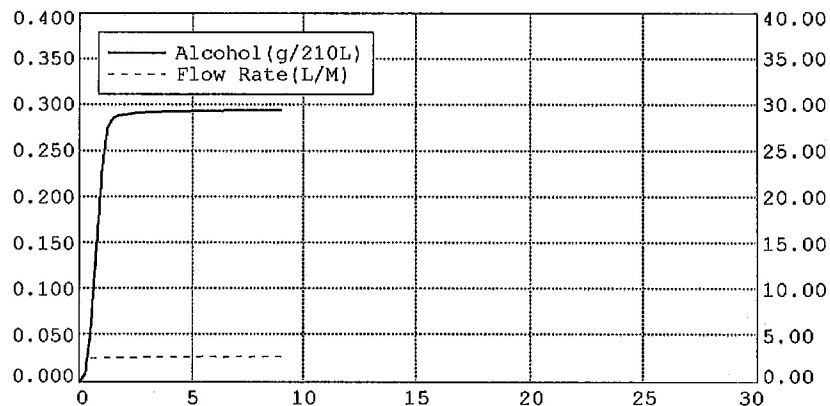
Date: 10/11/2011
Time: 14:59:08

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.48: 0.295
LOT #: 07611300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:00
INTERNAL STANDARD	VERIFIED	15:00
EXTERNAL STANDARD	0.294	15:00
BLANK TEST	0.000	15:01
EXTERNAL STANDARD	0.292	15:02
BLANK TEST	0.000	15:03
EXTERNAL STANDARD	0.292	15:03
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.292	15:04
BLANK TEST	0.000	15:05
EXTERNAL STANDARD	0.292	15:05
BLANK TEST	0.000	15:06

Average = 0.2924
Std Dev = 0.0009



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100367

Date: 10/11/2011
 Time: 15:10:49

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

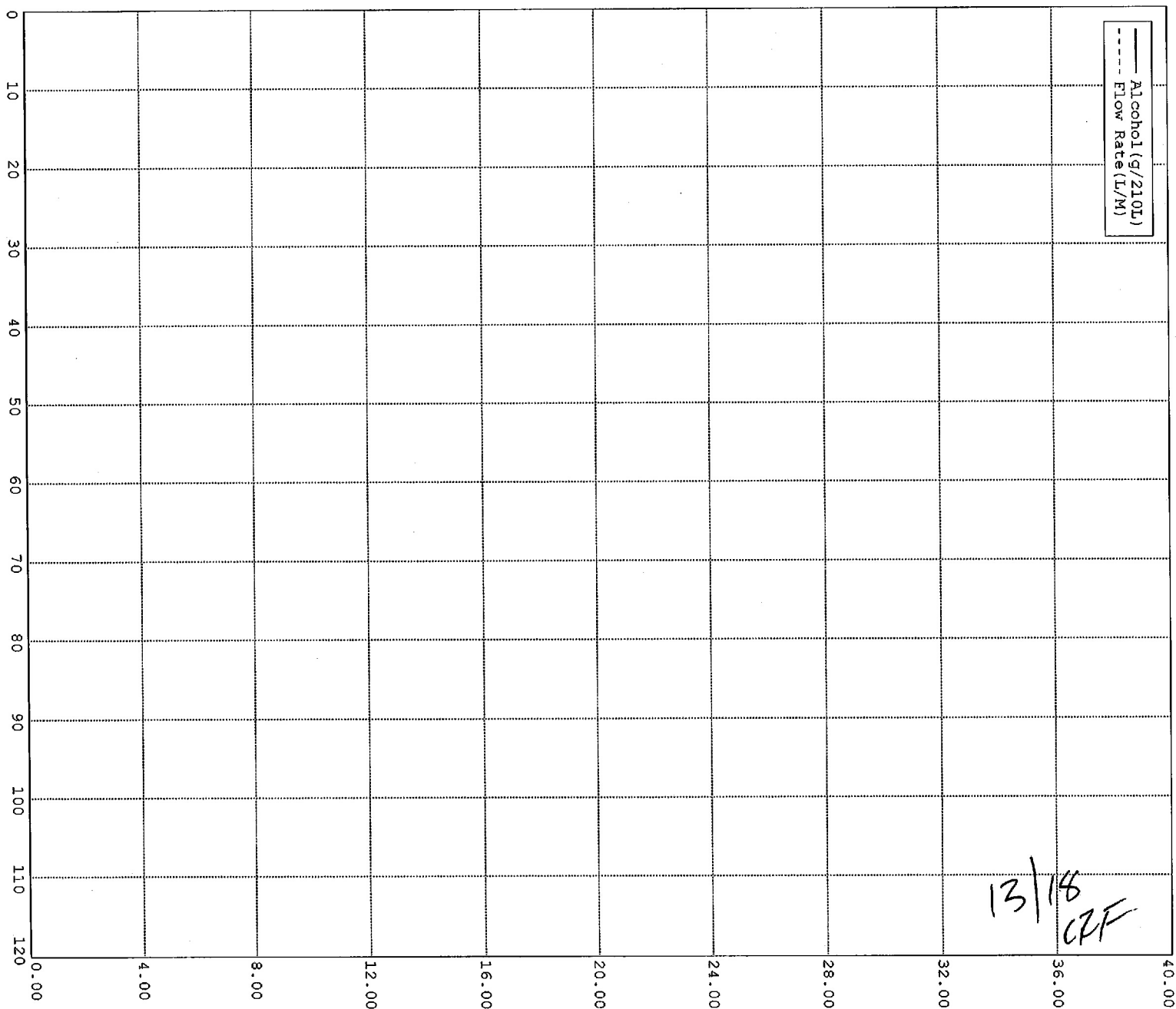
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.48: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	15:11
BLANK TEST	0.000	15:11
INTERNAL STANDARD	VERIFIED	15:12
EXTERNAL STANDARD	0.080	15:12
BLANK TEST	0.000	15:13
SUBJECT SAMPLE	INCOMPLETE	15:15

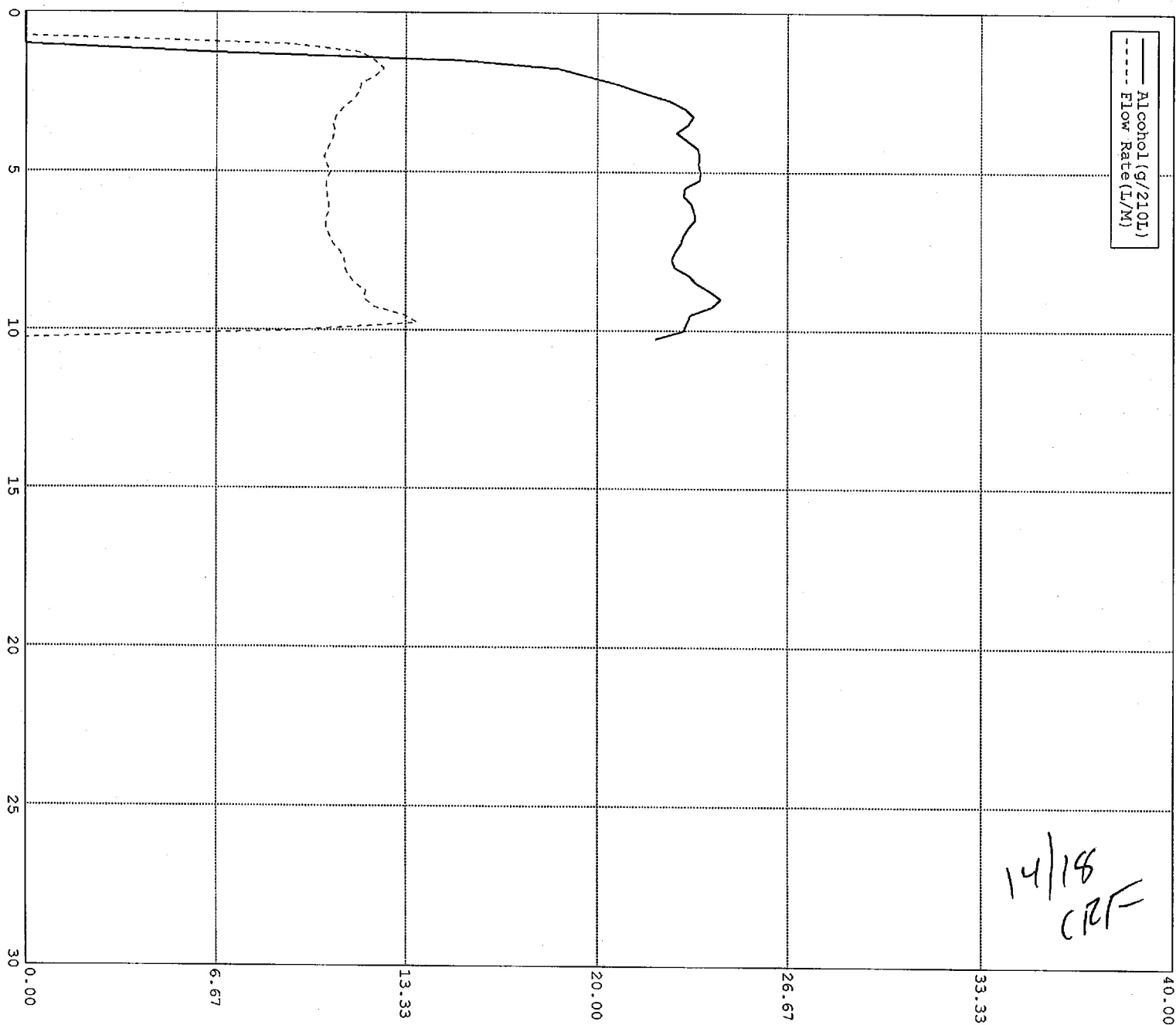
CF



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100367Date: 10/12/2011
Time: 10:05:08SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
INVALID KNOWN MOUTH ETOH
OPERATOR'S #: XXXXDEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.78: 0.079
LOT #: 33609080A1
EXPIRATION: 01/01/2012DIAGNOSTIC CHECK
BLANK TEST PASSED 10:07
INTERNAL STANDARD VERIFIED 10:07
EXTERNAL STANDARD 0.080 10:07
BLANK TEST 0.000 10:08
SUBJECT SAMPLE Invalid 10:08

CRF



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100367

Date: 10/12/2011

Time: 10:15:01

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

INTERFERENCE ETOH AND ACETONE

OPERATOR'S #: XXXX

DEPT/AGENCY:

XXXX

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.78: 0.079

LOT #: 33609080A1

EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK

BLANK TEST

PASSED

10:16

INTERNAL STANDARD

VERIFIED

10:16

EXTERNAL STANDARD

0.080

10:16

BLANK TEST

0.000

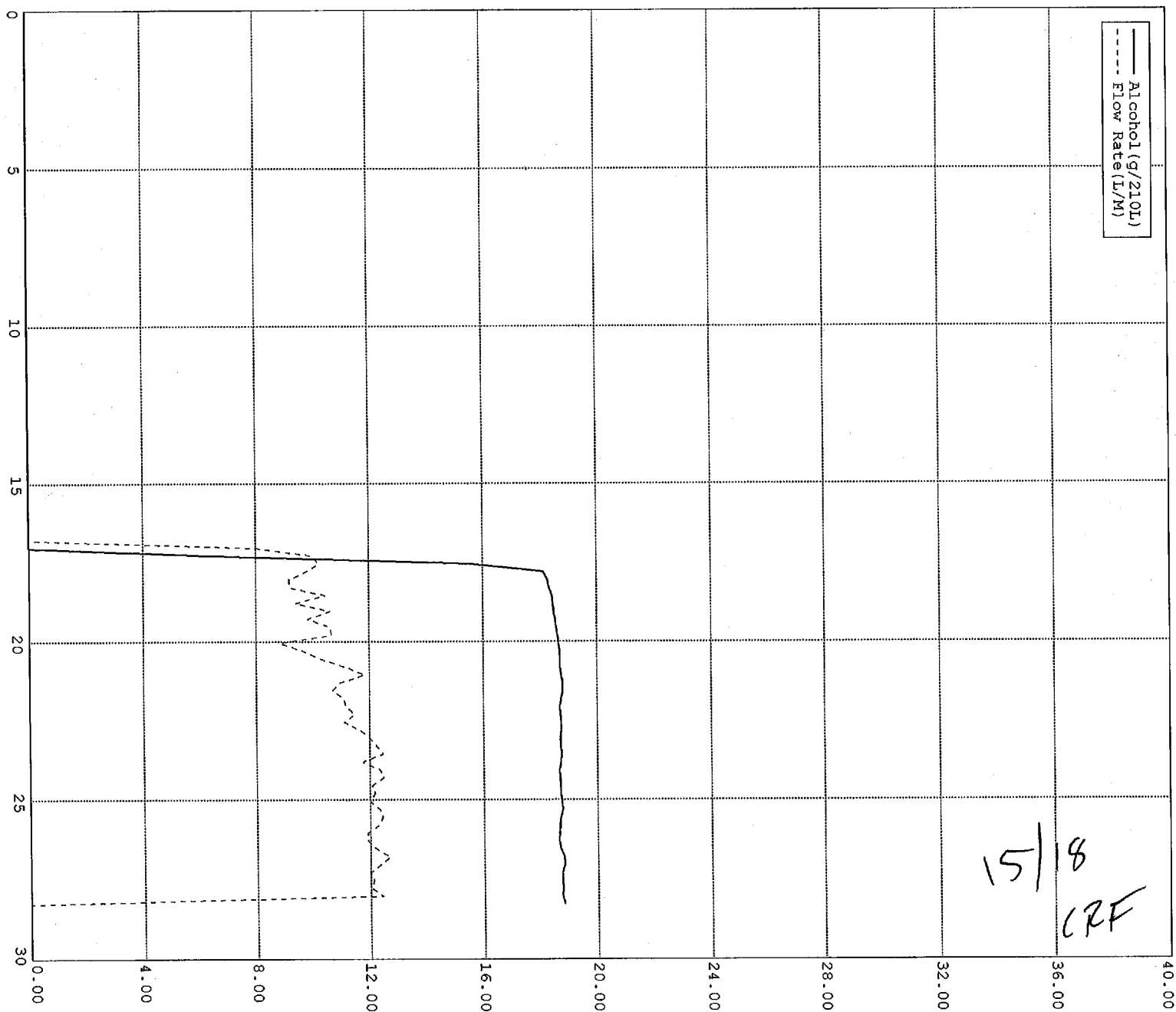
10:17

SUBJECT SAMPLE

INTERFERENCE

10:18

CRF



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100367

Date: 10/12/2011
 Time: 10:23:35

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

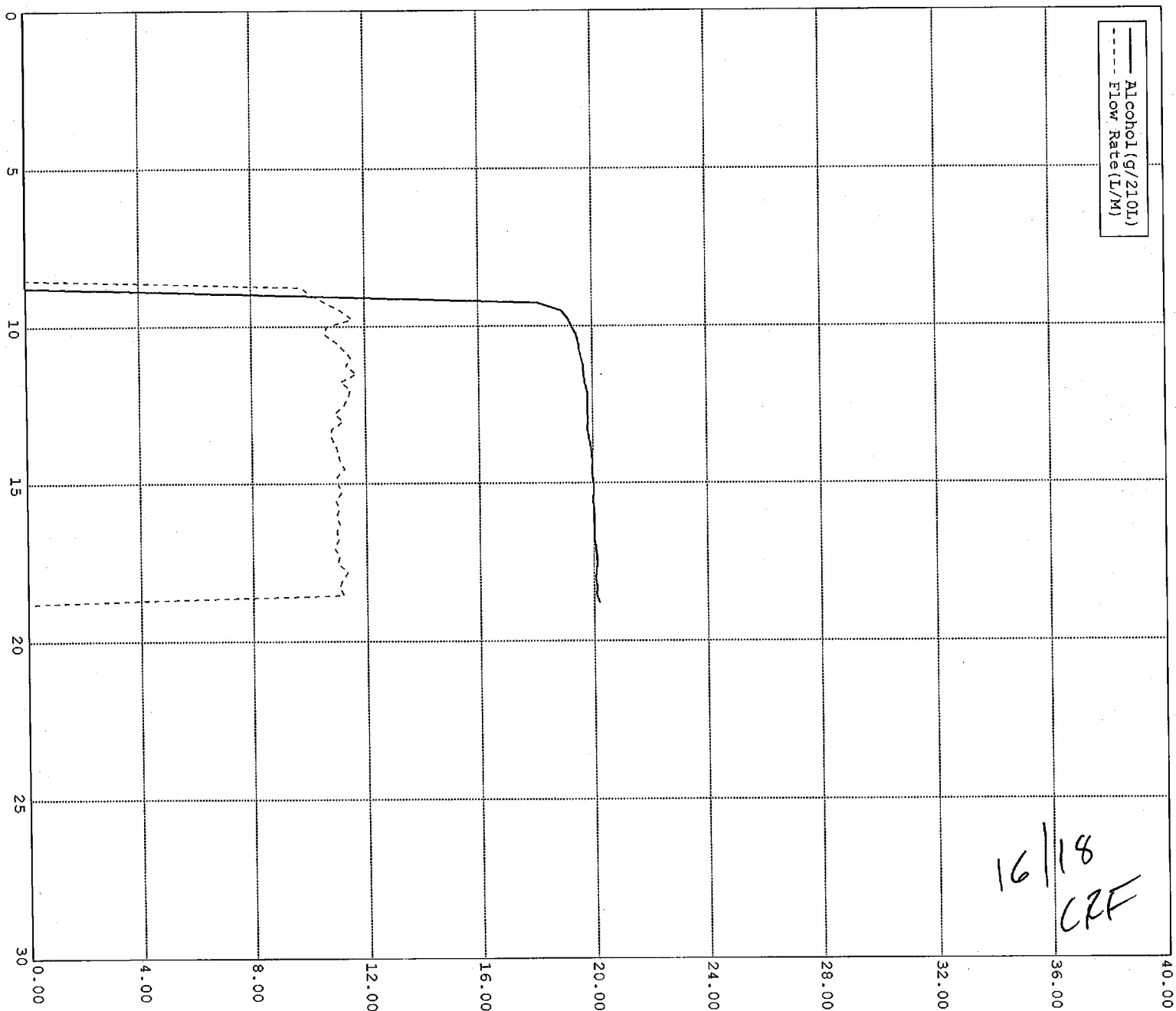
OPERATOR NAME:
 INTERFERENCE ETOH AND IPA
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.79: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	10:24
BLANK TEST	0.000	10:24
INTERNAL STANDARD	VERIFIED	10:25
EXTERNAL STANDARD	0.080	10:25
BLANK TEST	0.000	10:26
SUBJECT SAMPLE	INTERFERENCE	10:26

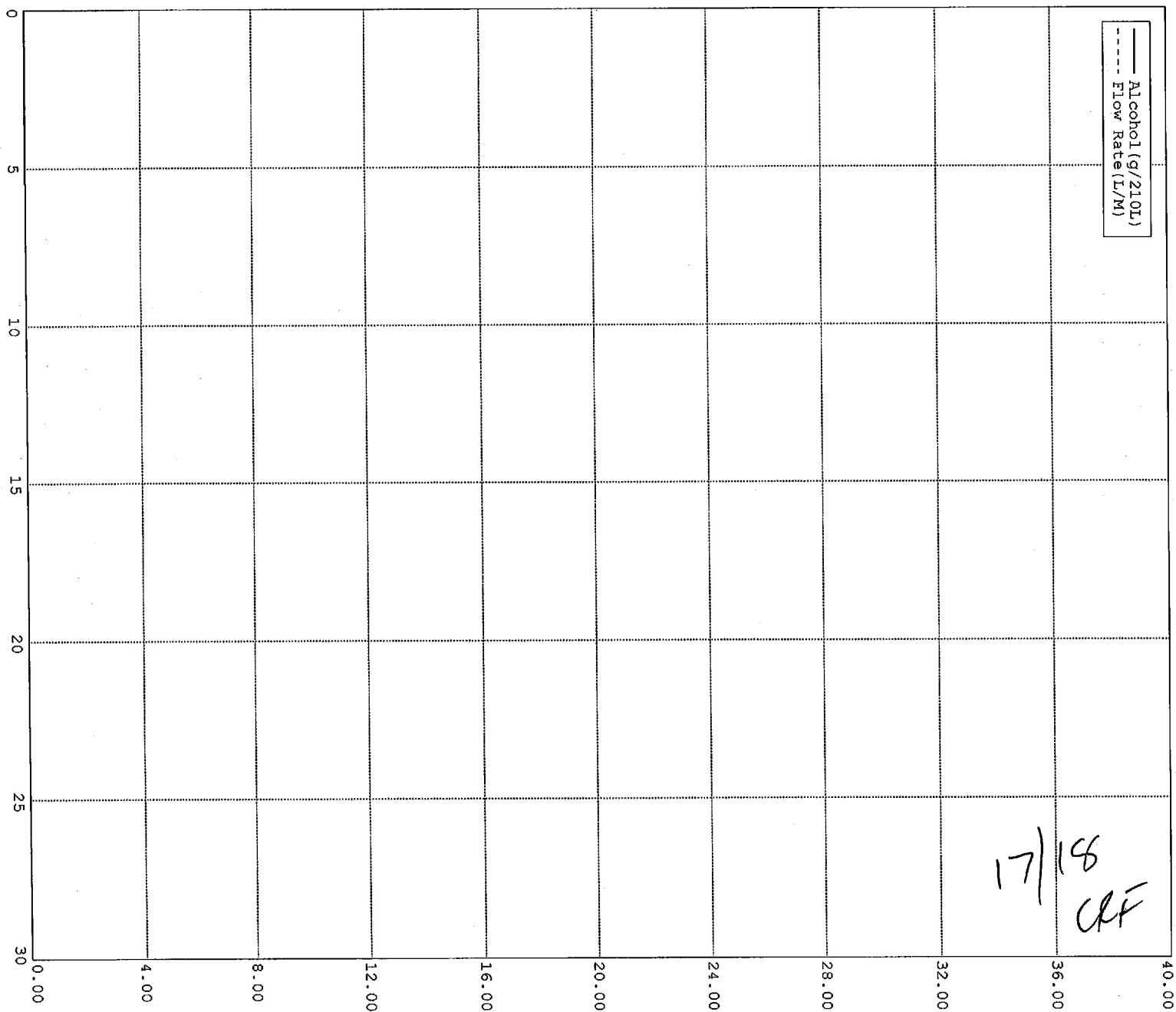
CRF



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100367Date: 10/12/2011
Time: 10:33:08SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
RFI XXXX
OPERATOR'S #: XXXXDEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.79: 0.079
LOT #: 33609080A1
EXPIRATION: 01/01/2012DIAGNOSTIC CHECK
BLANK TEST PASSED 10:34
INTERNAL STANDARD VERIFIED 10:34
EXTERNAL STANDARD 0.080 10:35
BLANK TEST 0.000 10:35

RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100367

Date: 10/12/2011
 Time: 10:53:06

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 29.79: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	10:54
BLANK TEST	0.000	10:54
INTERNAL STANDARD	VERIFIED	10:54
EXTERNAL STANDARD	0.081	10:54
BLANK TEST	0.000	10:55
SUBJECT SAMPLE	0.000	10:56
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.080	10:57
BLANK TEST	0.000	10:58

Alcohol (g/210L)

 Flow Rate(L/M)

