	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 Form

Instrument # 100415

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 1600 mL
5. Dry Gas Linearity Test (attached)
  - a. Levels Used 
    - i. 0.020g/210L Mnf ILMO Lot 02811020A1 Exp 2/1/13
    - ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 2/1/13
    - iii. 0.080g/210L Mnf ILMO Lot 33609080A1 Exp 1/1/12
    - iv. 0.100g/210L Mnf ILMO Lot 0761100A3 Exp 3/1/13
    - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/1/13
    - vi. 0.300g/210L Mnf ILMO Lot 07411300A1 Exp 3/1/13
  - b. Functional Tests (attached)
    - a. Incomplete
    - b. Invalid
    - c. Interference 
      - i. Acetone - Mnf Repro Lot 09805 Level 0.090 Exp 11/4/11
        1. Simulator Calibration Date 10/18/10 SN DR6267
      - ii. Isopropanol - Mnf Repro Lot 09805 Level 0.090 Exp 11/4/11
        1. Simulator Calibration Date 8/4/10 SN SD1202
    - d. RFI
  7. Calibrate Stylus
  8. Verify card reader is functional
  9. Upload
  10. Reset Options
  11. Non-Drinking Subject Test (attached)

Analyst CRF  
Date 6/24/111/18  
CRF

Date was set incorrectly during certification. Corrected date on 6/27/11 and initiated another VOL - CRF 6/27/11

DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dnt: 100415  
-----

Date: 06/27/2011 *CNF*  
Time: 10:43:02 *6/27/11*

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

TEMPERATURES

Sample Chamber = 48.7°C PASSED  
Breath Tube = 46.0°C PASSED

PUMP INFO  
Flow Rate = 5.029 L/M PASSED

DETECTOR INFO  
PUMP ON PASSED  
PUMP OFF PASSED

FILTER INFO  
Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD PASSED

*2/18*  
*CNF*

Technician Screen

-----  
DATAMASTER dnt: 100415

~~24-CAF~~  
Date: 06/27/2011 6/27/11  
Time: 10:54 AM

Temperatures (°C)

Sample Cell: 48.7°C  
Breath Tube: 46.5°C

Current Barometer 29.9 in  
Volume (Ltr) 1.54

Settings

Lamp: 1.76 V  
Bias: 79 V  
Cooler: 1.76 V  
Chopper: 533 Hz

Voltages (V)

Flow: 1.06 V  
Detector: 0.042 V

3/18  
CAF

CALIBRATION FACTORS

Alaska Department of Public Safety  
DATAMASTER dat: 100415

Date: 06/22/2011 07:25:35  
Time: 07:25:35

SUPERVISOR NAME:  
COLLEEN S OBYANT  
CERTIFICATE #: 6237

LOT #: REPC0100  
BOTTLE #: 10003  
EXPIRATION: 09/08/2012

Ca = 0.1000  
CAL = 1.001237 0.800 <= CAL < 1.200  
b1 = 0.0006 0.0000 <= b1 < 0.0040  
b2 = 0.0044 0.0010 <= b2 < 0.0100  
b3 = 0.0000 0.0000 <= b3 < 0.0040  
Xq = 0.0970 0.0500 <= Xq < 0.2000  
a21 = 1.190898 1.050 <= a21 < 1.300  
a31 = 0.428205 0.300 <= a31 < 0.800

4/18  
CAF

**SUBJECT TEST**

Alaska Department of Public Safety  
 DATA MASTER DATE: 100415

Date: 06/27/2011 *21 085 077/11*  
 Time: 11:09:26

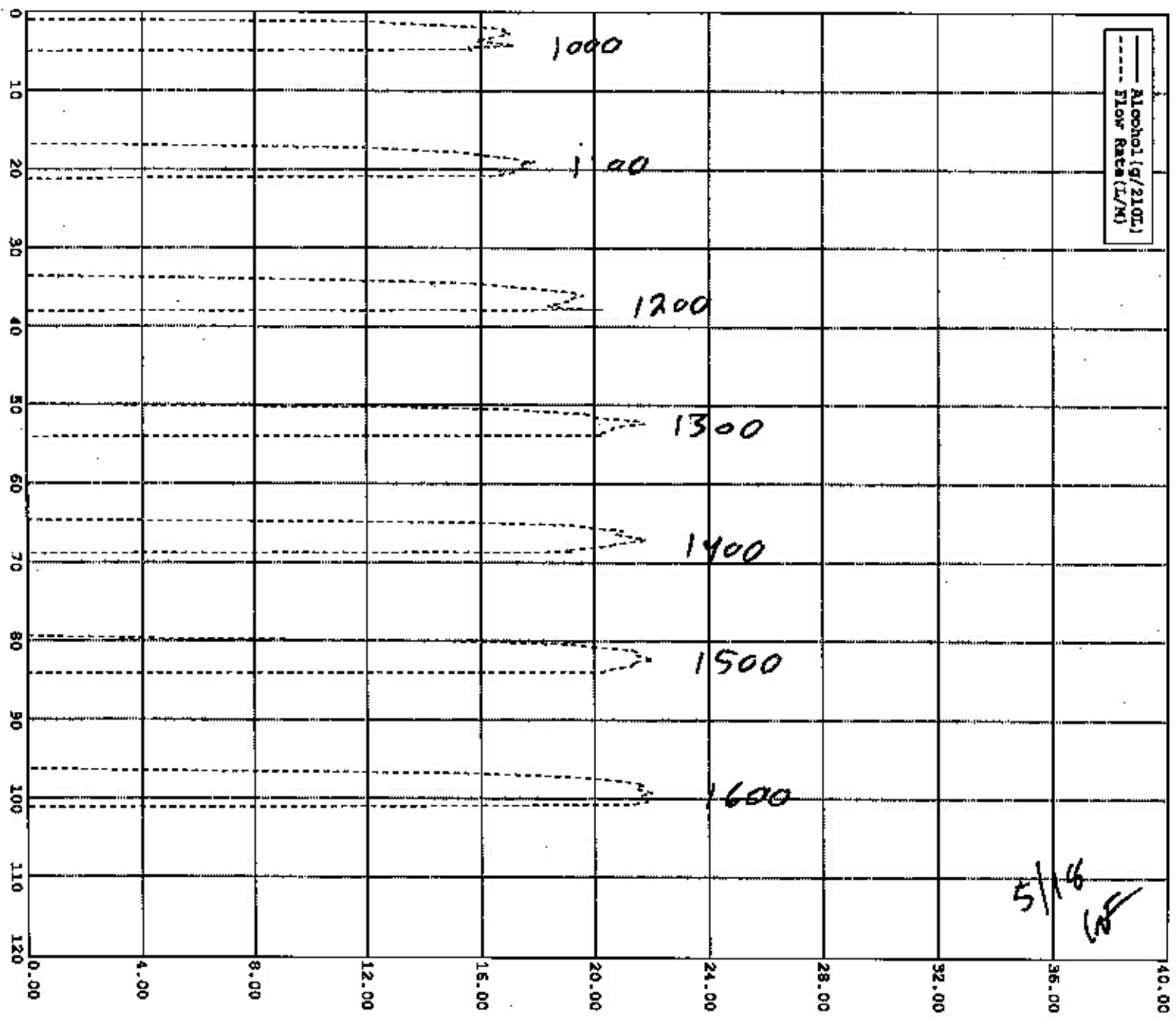
SUBJECT NAME:  
 TEST TEST  
 LICENSE #: XXXX

OPERATOR NAME:  
 METERING VOLUME  
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 25.89: 0.079  
 LOT #: 33609080A1  
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	11:10
BLANK TEST	0.000	11:10
INTERNAL STANDARD	0.081	11:10
EXTERNAL STANDARD	0.000	11:11
BLANK TEST	0.000	11:11
SUBJECT SAMPLE	0.000	11:13
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.081	11:14
BLANK TEST	0.000	11:15



*5/18  
 085*

LINERITY CHECK

Alaska Department of Public Safety  
 DATAMASTER dnt: 100415

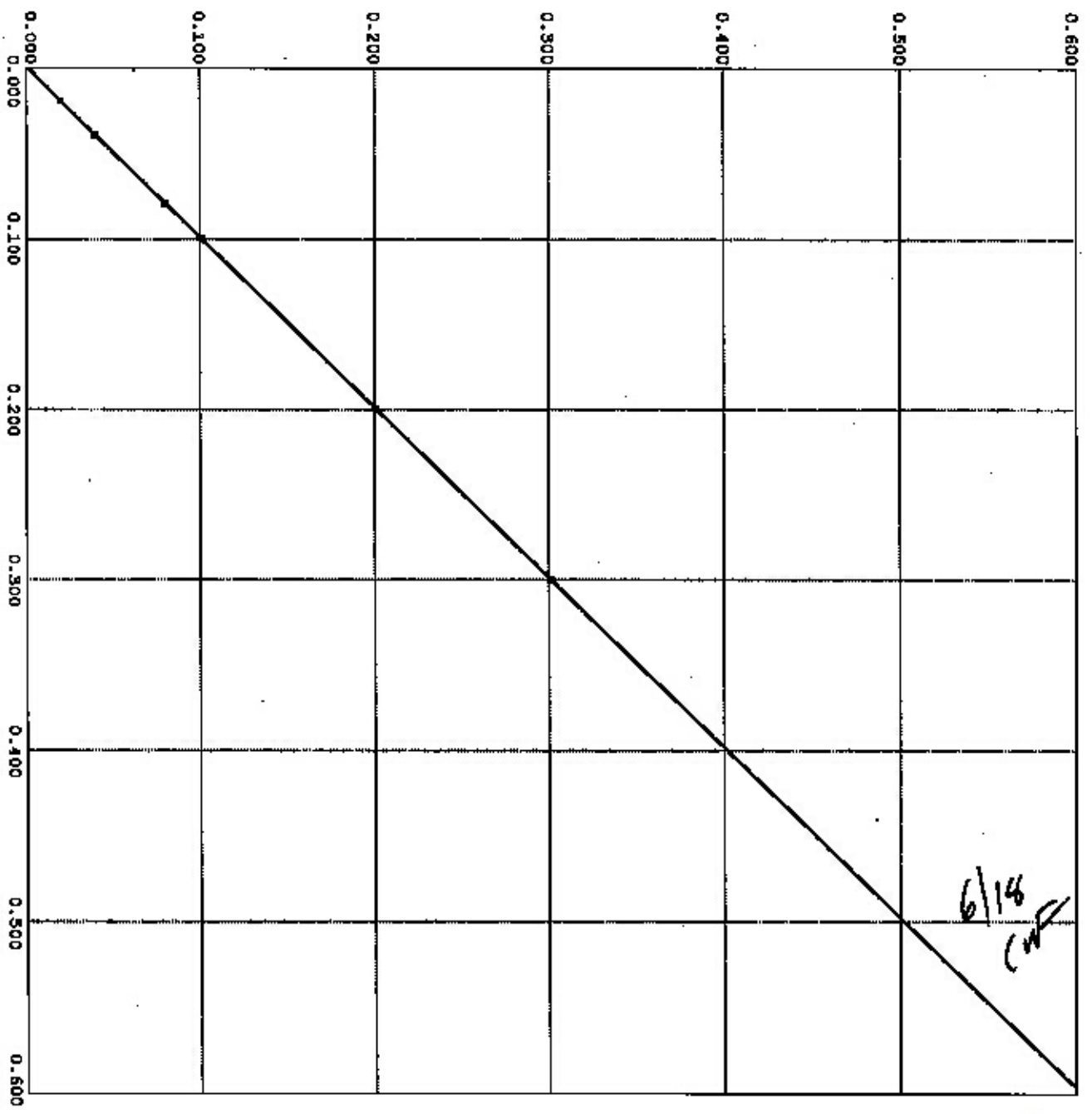
Date: 06/27/2011 *CRF* 6/27/11  
 Time: 13:00:05

SUPERVISOR NAME:  
 CHARLES FOSTER  
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0206	0.0005
0.039	0.0404	0.0005
0.079	0.0804	0.0005
0.099	0.1018	0.0004
0.199	0.2020	0.0012
0.299	0.3014	0.0015

STORE = 1.004306  
 R² = 0.999986

*CRF*



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety

DATA MASTER dnt: 100415

Date: 06/27/2011 *CRF* 6/27/11

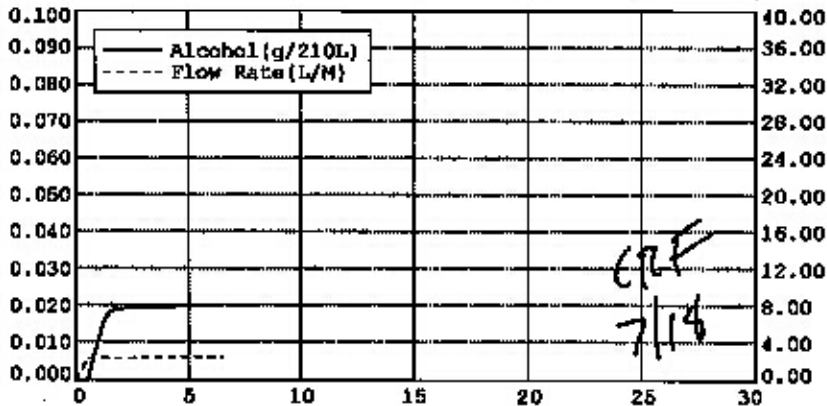
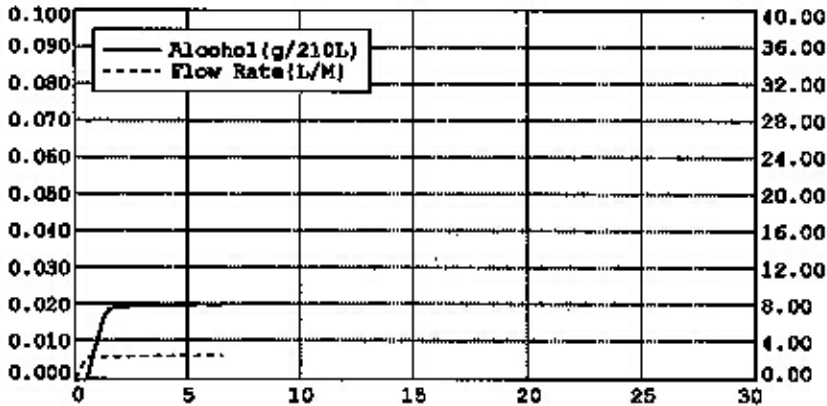
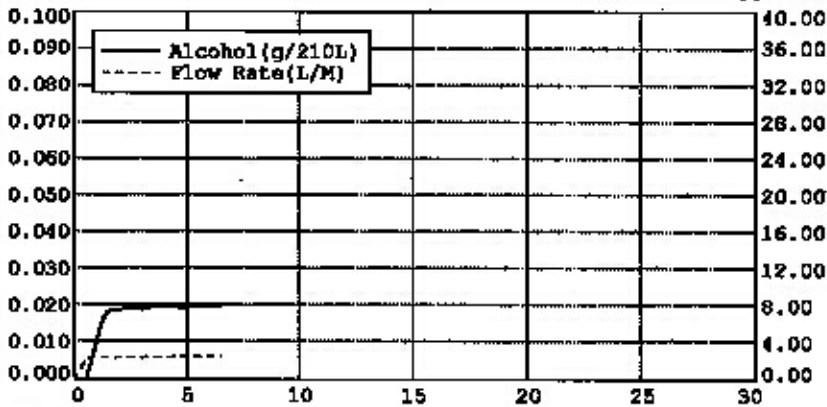
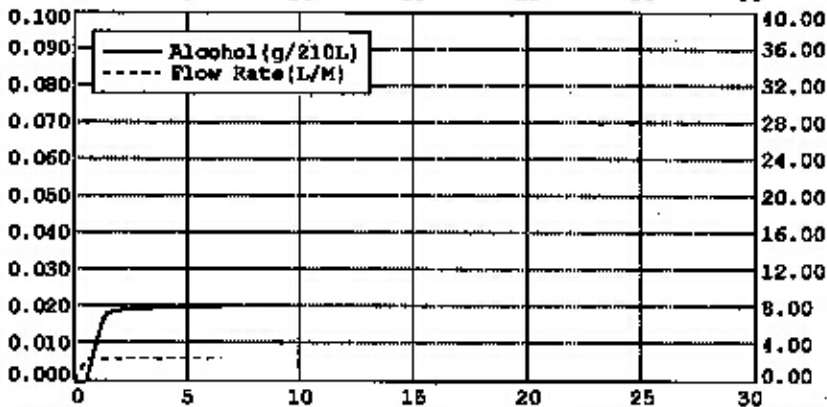
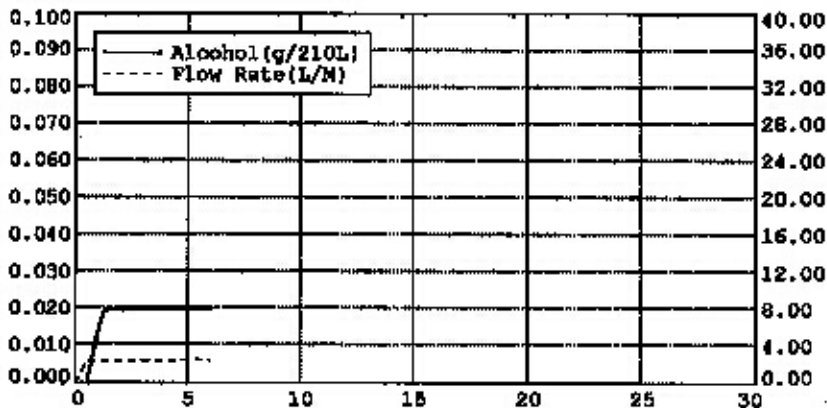
Time: 13:00:07

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.87: 0.019  
 LOT #: 02811020A1  
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:01
INTERNAL STANDARD	VERIFIED	13:01
EXTERNAL STANDARD	0.020	13:02
BLANK TEST	0.000	13:02
EXTERNAL STANDARD	0.020	13:03
BLANK TEST	0.000	13:04
EXTERNAL STANDARD	0.021	13:04
BLANK TEST	0.000	13:05
EXTERNAL STANDARD	0.021	13:05
BLANK TEST	0.000	13:06
EXTERNAL STANDARD	0.021	13:06
BLANK TEST	0.000	13:07

Average = 0.0206  
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

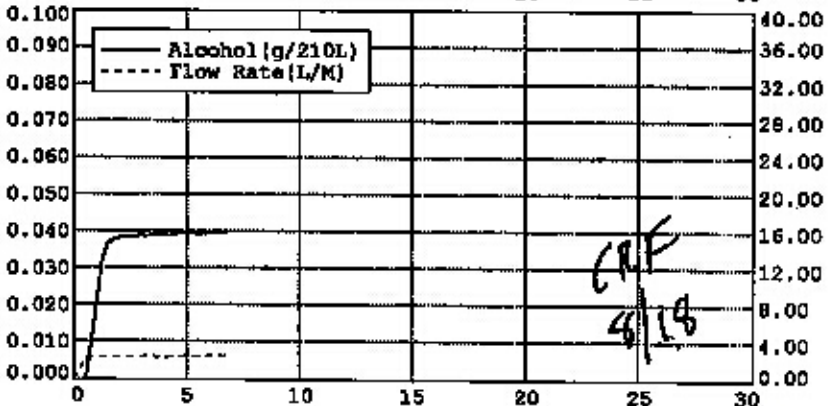
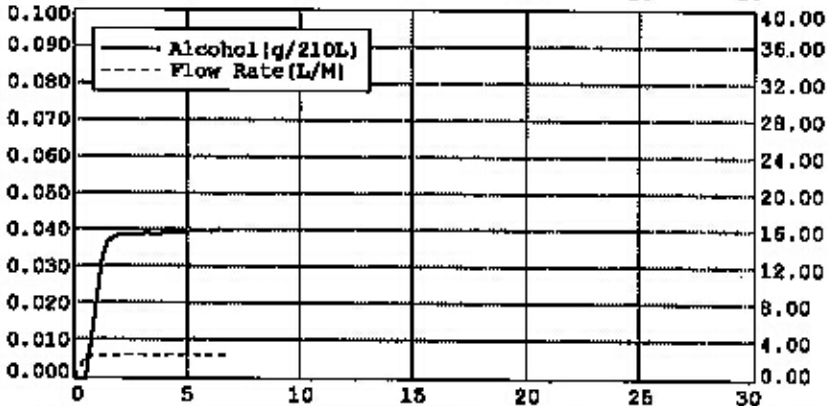
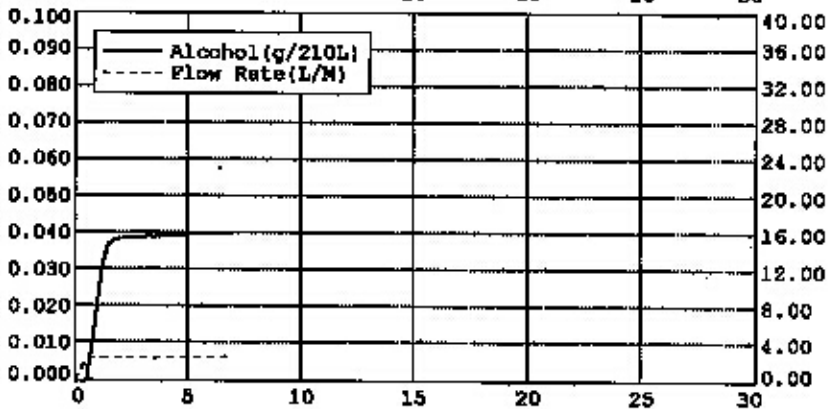
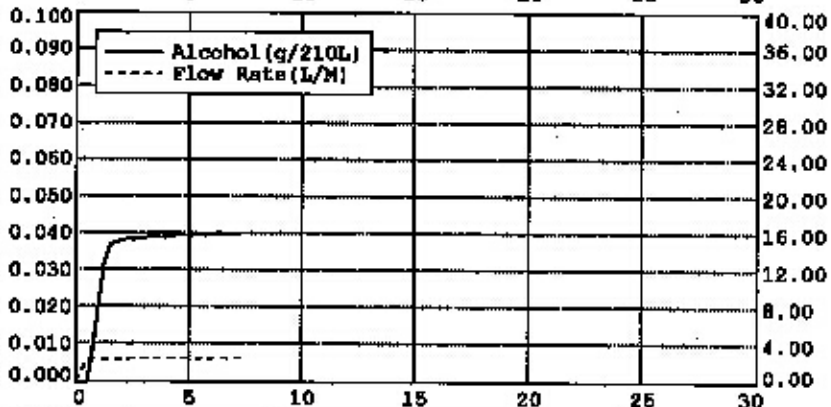
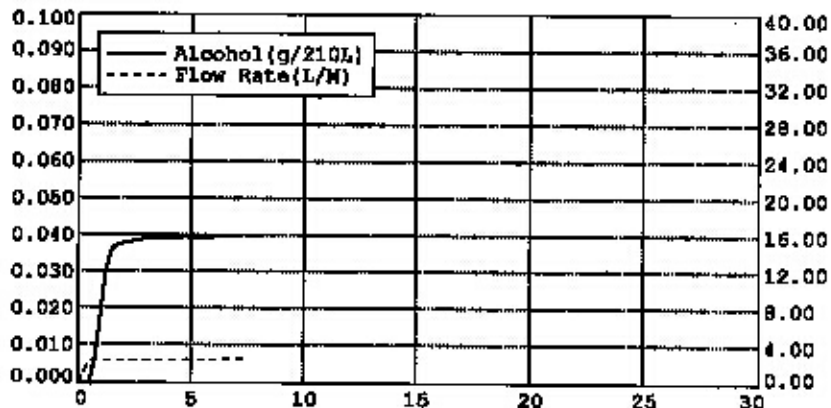
Alaska Department of Public Safety  
 DATAMASTER dot: 100415  
 Date: 06/27/2011 *CRF 6/27/11*  
 Time: 13:08:08

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040  
 TARGET AT 29.87: 0.039  
 LOT #: 02811040A2  
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:09
INTERNAL STANDARD	VERIFIED	13:10
EXTERNAL STANDARD	0.040	13:10
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.041	13:11
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.040	13:12
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.041	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.040	13:14
BLANK TEST	0.000	13:15

Average = 0.0404  
 Std Dev = 0.0005





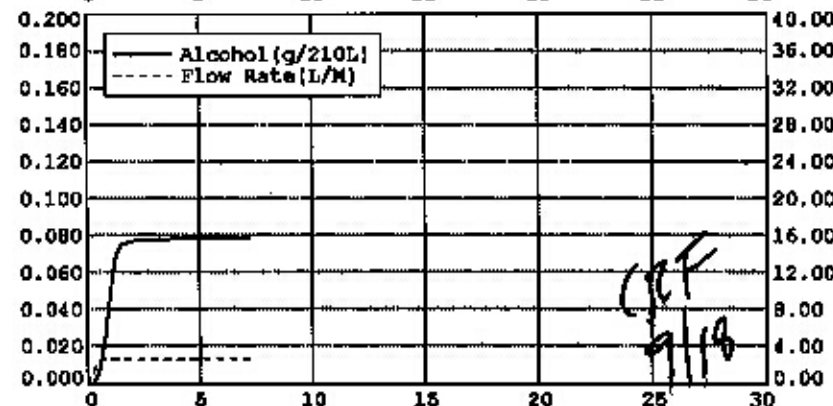
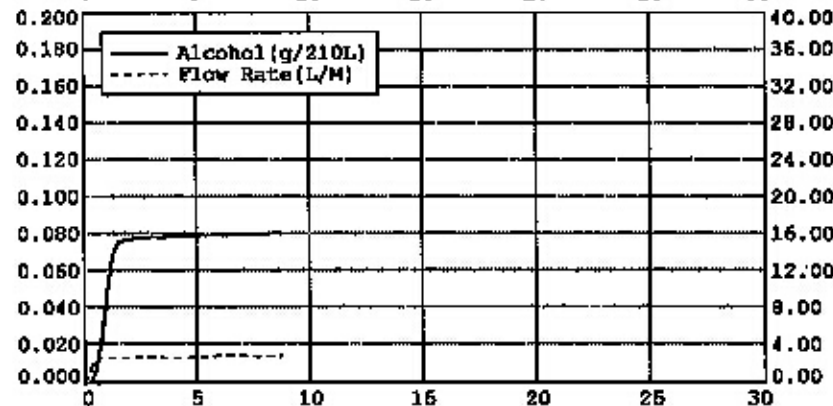
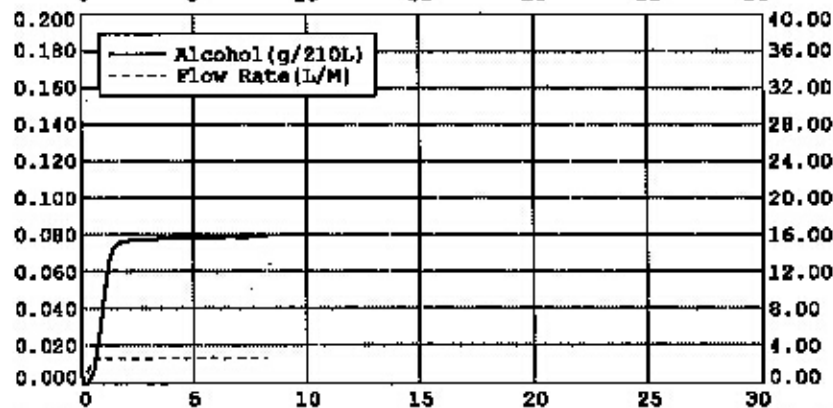
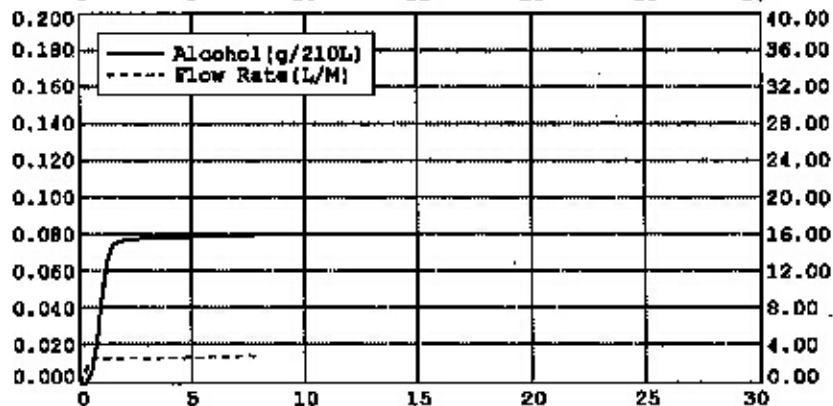
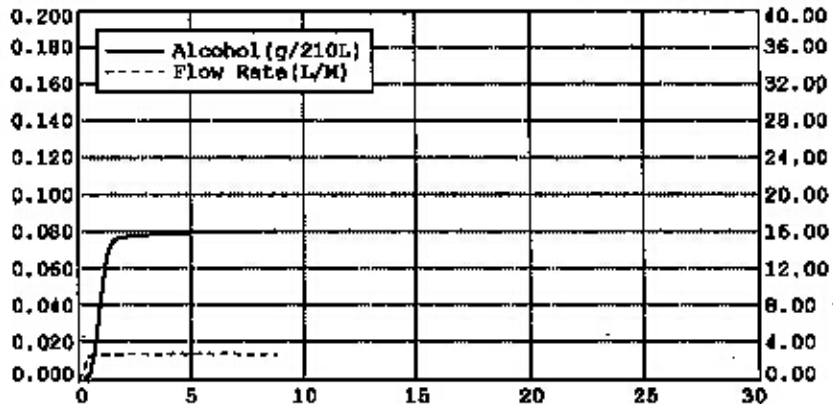
LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dnt: 100415  
 Date: 06/27/2011 *CRF 6/27/11*  
 Time: 13:16:32

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.87: 0.079  
 LOT #: 33609080A1  
 EXPIRATION: 01/01/2012

BLANK TEST	0.000	13:17
INTERNAL STANDARD	VERIFIED	13:19
EXTERNAL STANDARD	0.081	13:18
BLANK TEST	0.000	13:19
EXTERNAL STANDARD	0.080	13:19
BLANK TEST	0.000	13:20
EXTERNAL STANDARD	0.080	13:20
BLANK TEST	0.000	13:21
EXTERNAL STANDARD	0.081	13:22
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.080	13:23
BLANK TEST	0.000	13:24

Average = 0.0804  
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 4

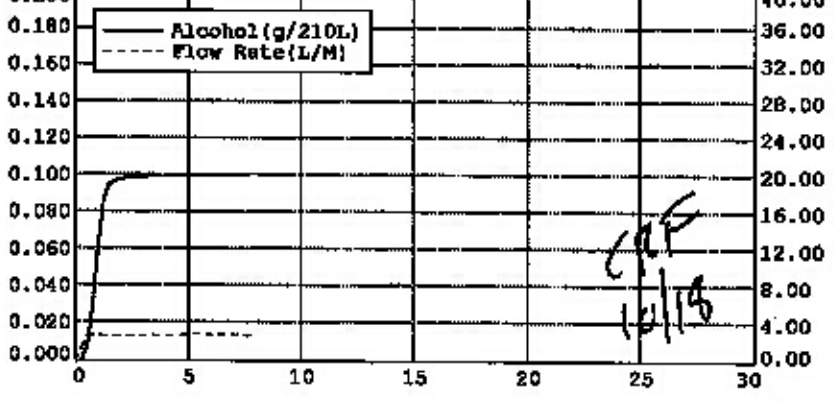
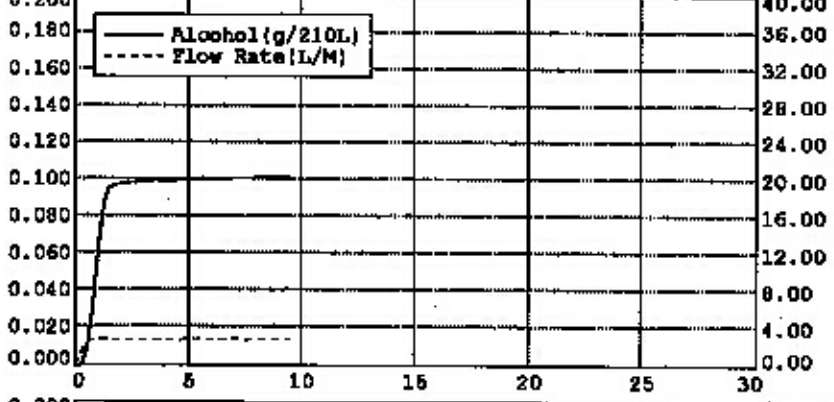
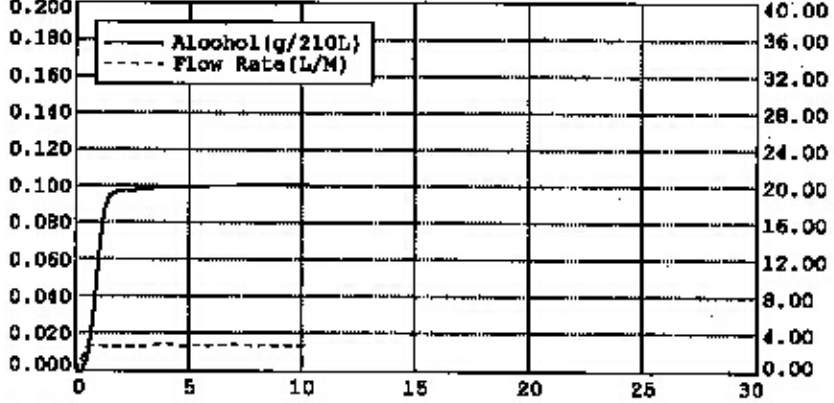
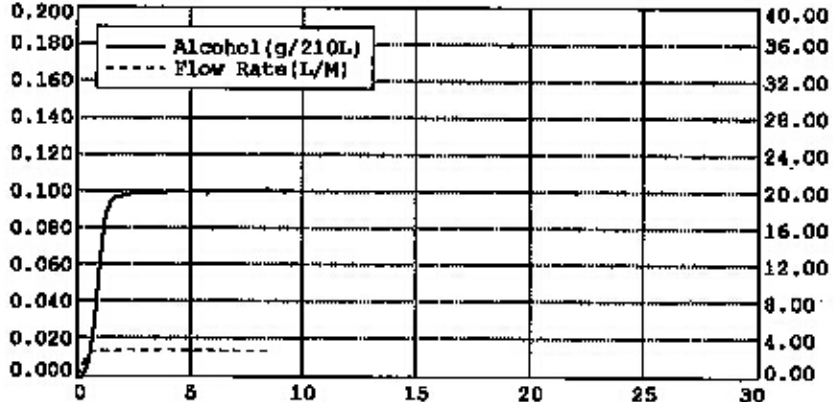
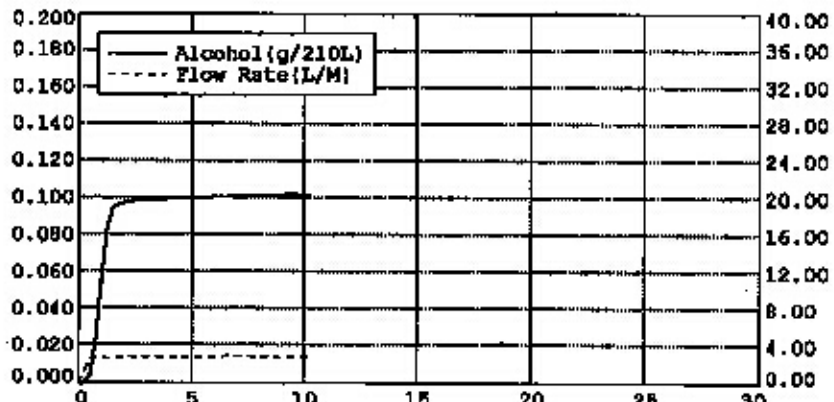
Alaska Department of Public Safety  
 DATAMASTER cmt: 100415

Date: 06/27/2011 *CF 6/27/11*  
 Time: 13:24:45

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.100  
 TARGET AT 29.87: 0.099  
 LOT #: 07611100A3  
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:26
INTERNAL STANDARD	VERIFIED	13:26
EXTERNAL STANDARD	0.102	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.102	13:27
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.102	13:29
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.102	13:30
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.101	13:31
BLANK TEST	0.000	13:32

Average = 0.1018  
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety  
 DATAMASTER cont: 100415

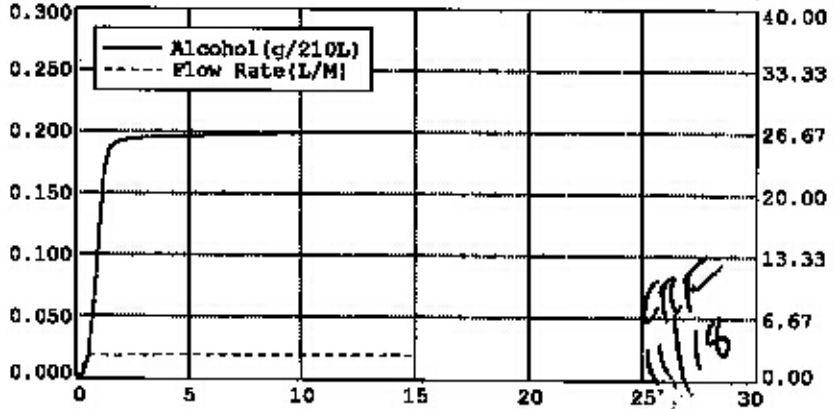
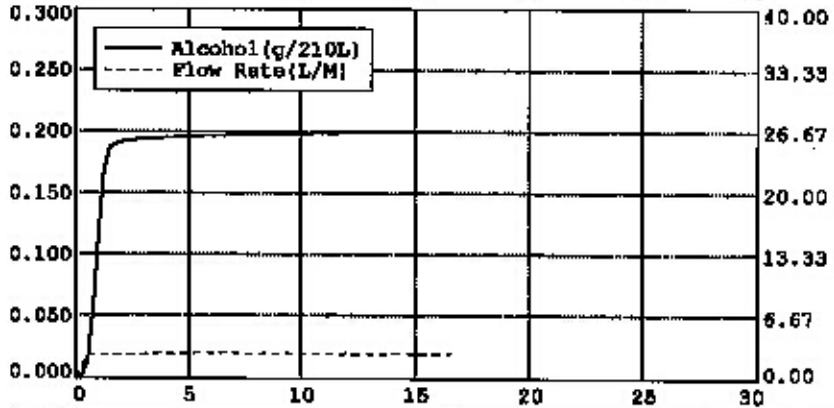
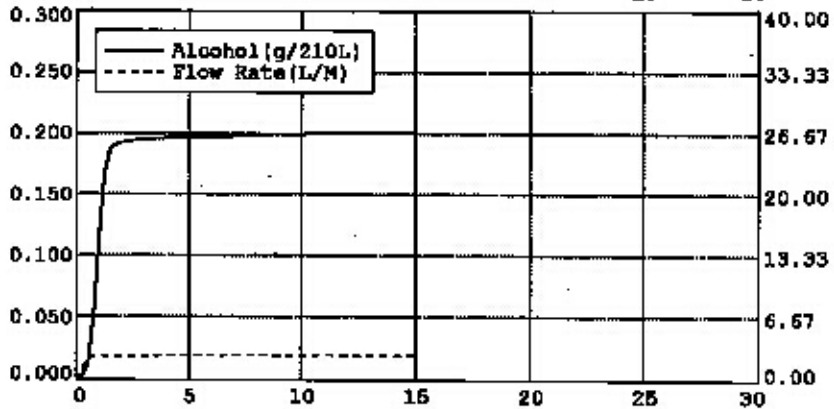
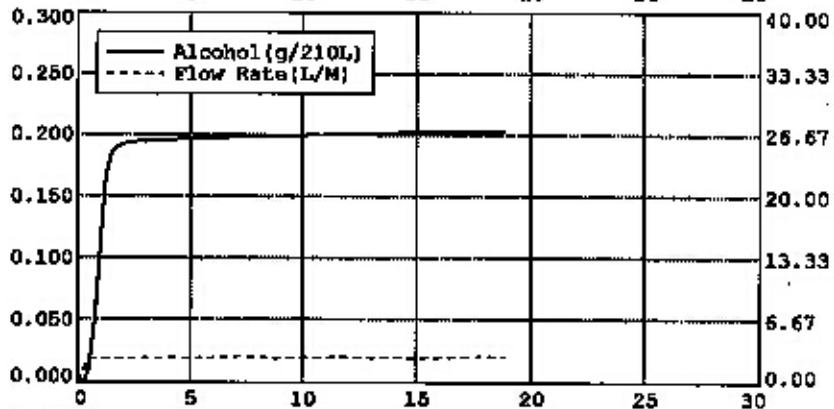
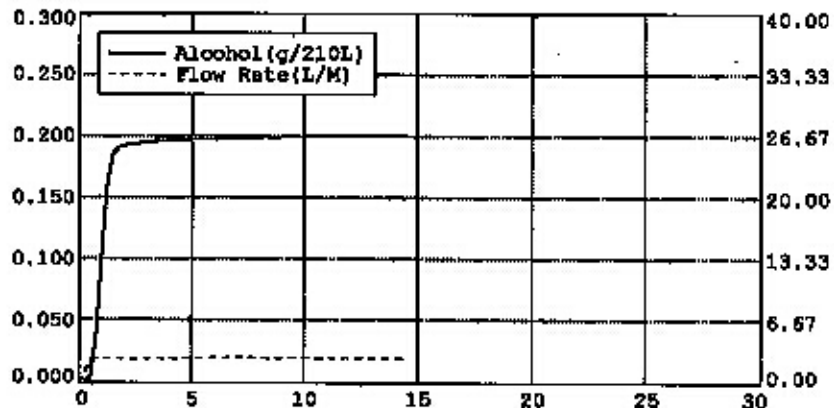
Date: 06/27/2011 *CF* 6/27/11  
 Time: 13:33:30

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200  
 TARGET AT 29.87: 0.199  
 LOT #: 07411200A2  
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:34
INTERNAL STANDARD	VERIFIED	13:35
EXTERNAL STANDARD	0.202	13:35
BLANK TEST	0.000	13:36
EXTERNAL STANDARD	0.204	13:36
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.202	13:38
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.201	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.201	13:41
BLANK TEST	0.000	13:42

Average = 0.2020  
 Std Dev = 0.0012



## LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety  
 DATAMASTER dnt: 100415

Date: 06/27/2011  
 Time: 13:44:23

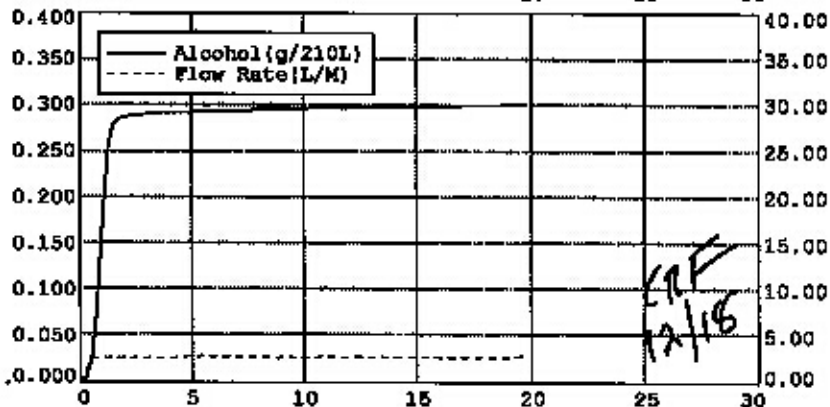
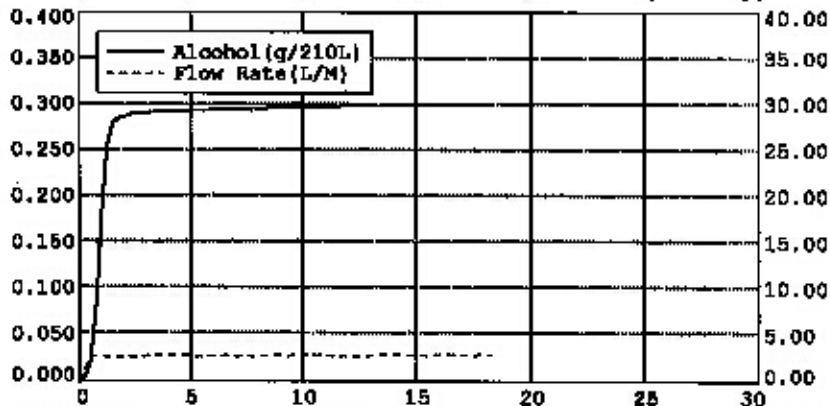
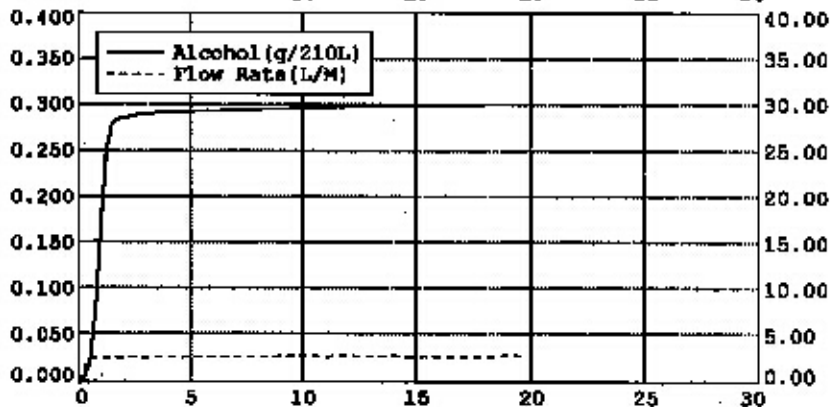
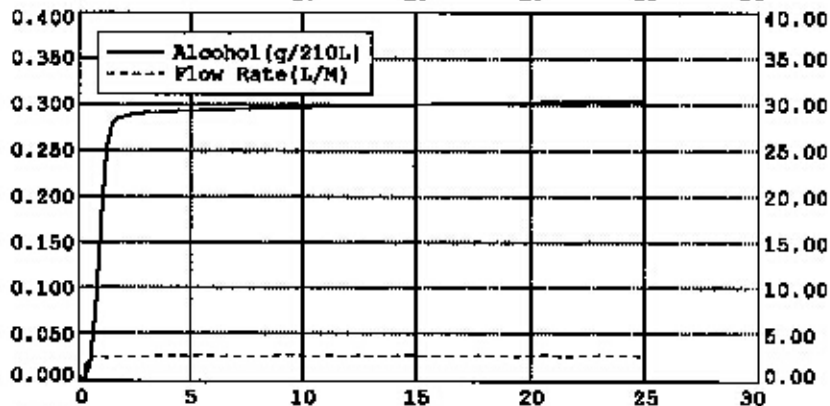
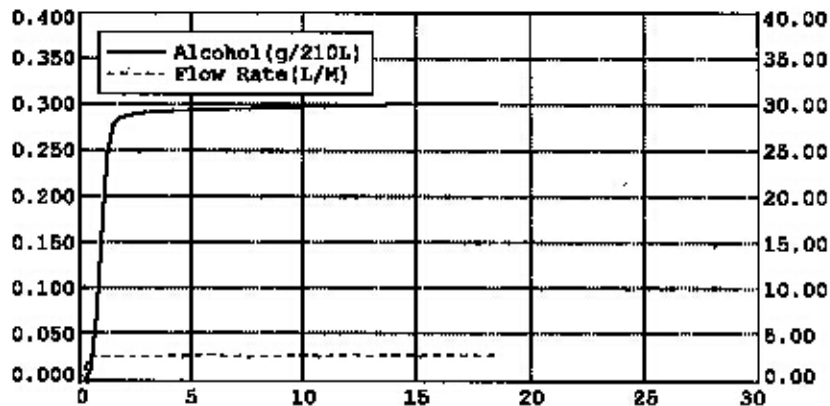
CF 6/27/11

## EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300  
 TARGET AT 29.87: 0.299  
 LOT #: 07411300A1  
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:46
INTERNAL STANDARD	VERIFIED 0.301	13:46
EXTERNAL STANDARD	0.301	13:46
BLANK TEST	0.000	13:47
EXTERNAL STANDARD	0.304	13:48
BLANK TEST	0.000	13:49
EXTERNAL STANDARD	0.301	13:49
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.301	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.300	13:53
BLANK TEST	0.000	13:54

Average = 0.3014  
 Std Dev = 0.0015



SUBJECT TEST

Alaska Department of Public Safety  
 DATA MASTER Date: 100415

Date: 06/27/2011 CRF 6/27/11  
 Time: 14:02:35

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: XXXX

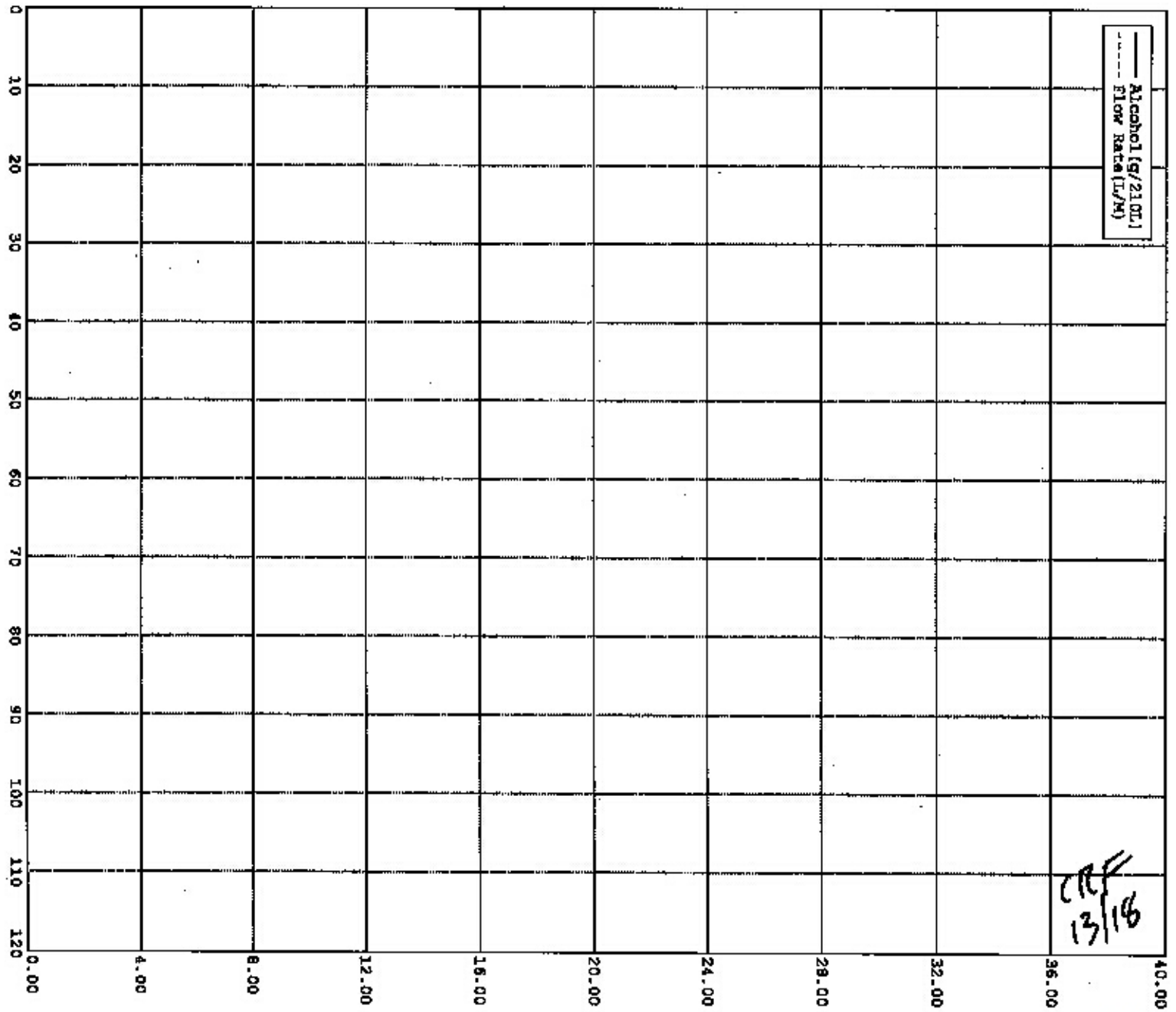
OPERATOR NAME:  
 INCOMPLETE XXXX  
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AIR 29.87: 0.079  
 LOT #: 33609080A1  
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:03
BLANK TEST	0.000	14:03
INTERNAL STANDARD	VERIFIED	14:03
EXTERNAL STANDARD	0.081	14:04
BLANK TEST	0.000	14:05
SUBJECT SAMPLE	INCOMPLETE	14:07

CRF



SUBJECT TEST

Alaska Department of Public Safety  
DATA MASTER dmt: 100415

Date: 06/28/2011 *CRF 6/27/11*  
Time: 14:18:04

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

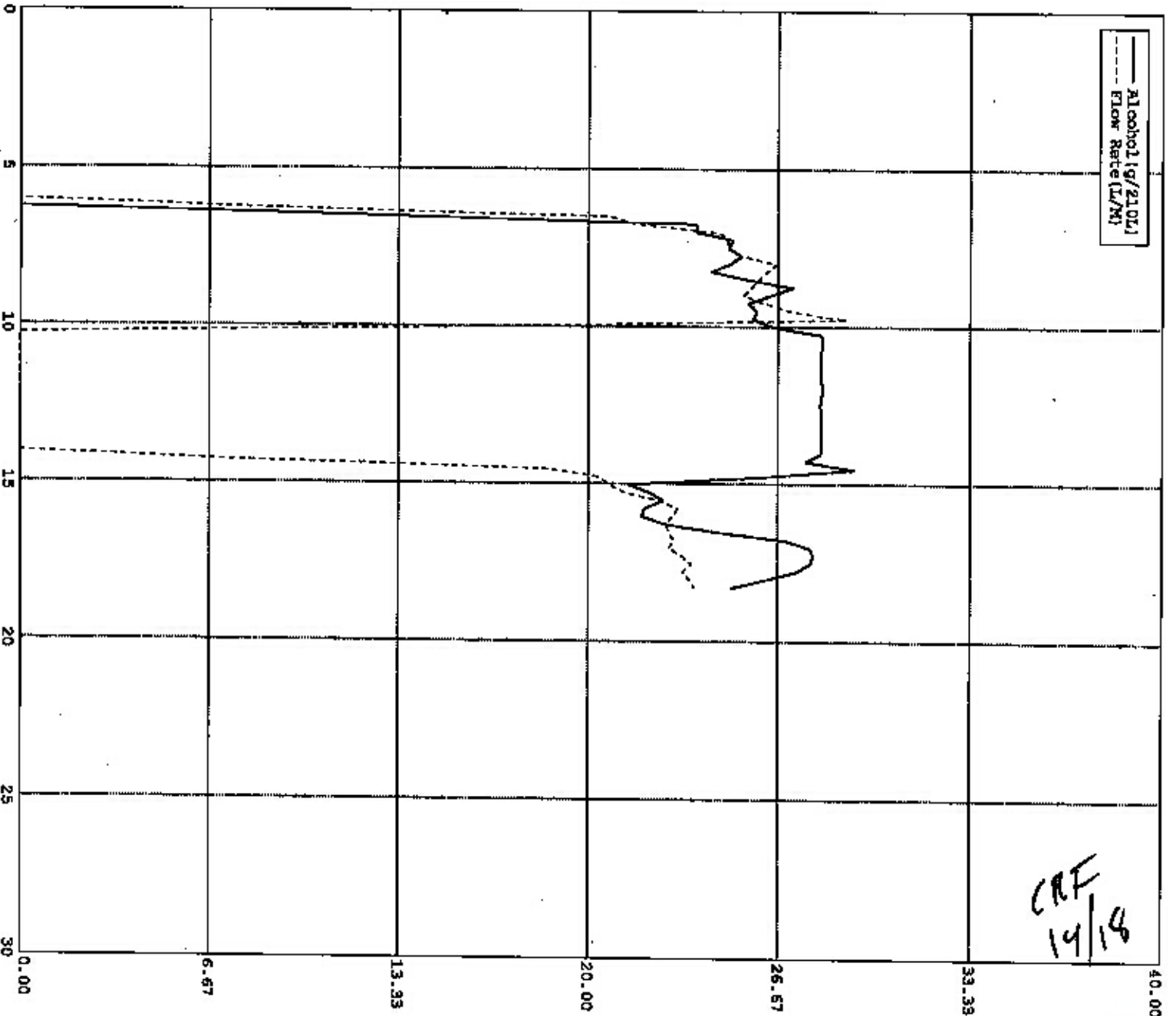
OPERATOR NAME:  
INVALID KNOWN MOTOR VEH  
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.86: 0.079  
ION #: 33605080A1  
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:19
BLANK TEST	0.000	14:19
INTERNAL STANDARD	VERIFIED	14:19
EXTERNAL STANDARD	0.081	14:19
BLANK TEST	0.000	14:20
SUBJECT SAMPLE	INVALID	14:20

*CRF*



SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100415

Date: 06/08/2011 *CRF 6/8/11*  
Time: 14:28:21

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

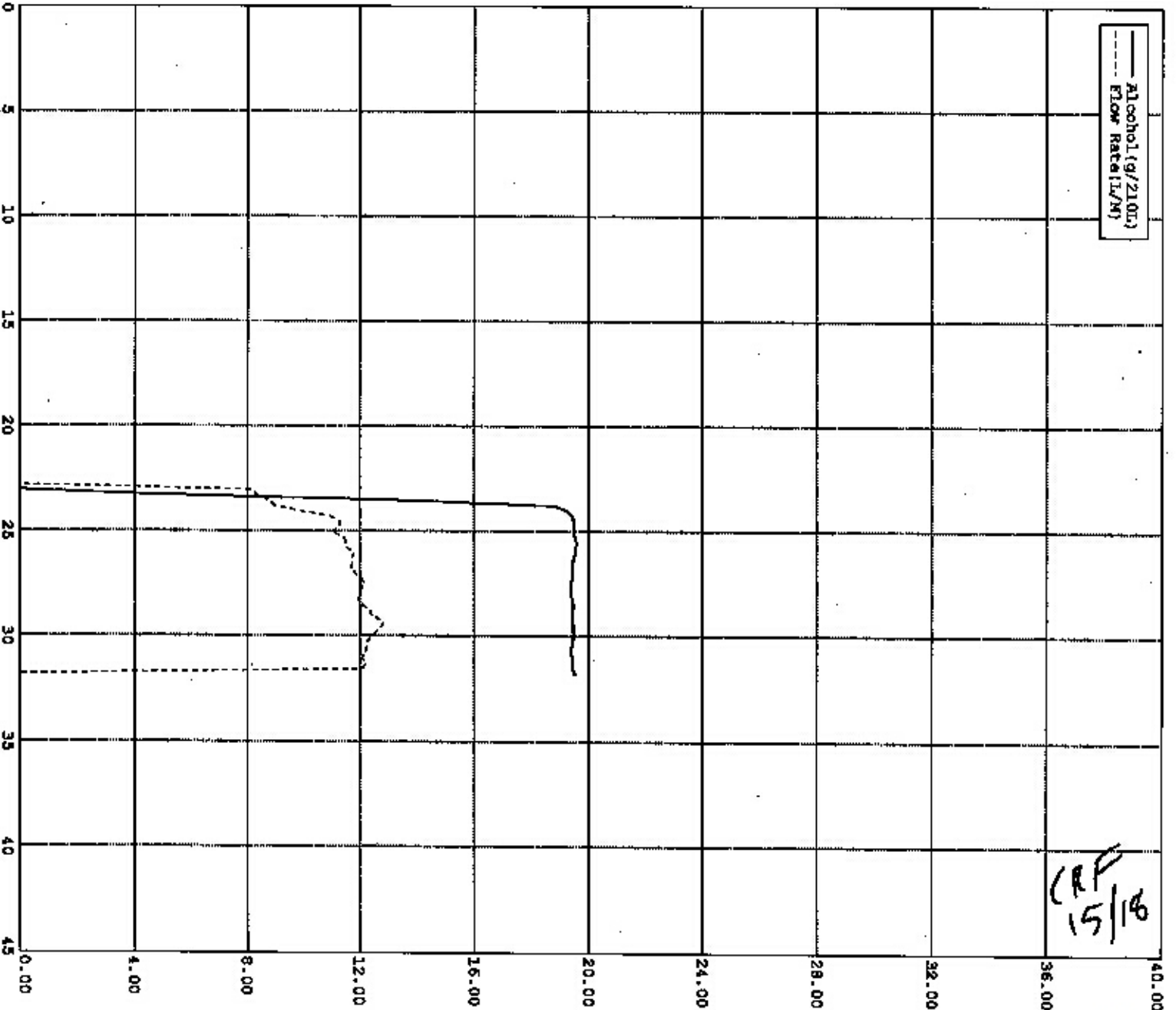
OPERATOR NAME:  
INTERFERER ETOH AND ACETONE  
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.86: 0.079  
LOT #: 33609090A1  
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASS/FAIL	TIME
BLANK TEST	0.000	14:29
INTERNAL STANDARD	VERIFIED	14:29
EXTERNAL STANDARD	0.081	14:29
BLANK TEST	0.000	14:30
SUBJECT SAMPLE	INTERFERER	14:31

*CRF*



SUBJECT TEST

Alaska Department of Public Safety  
 DATA MASTER Unit: 100415

Date: 06/27/2011 CRF 6/27/11  
 TIME: 14:35:22

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: XXXX

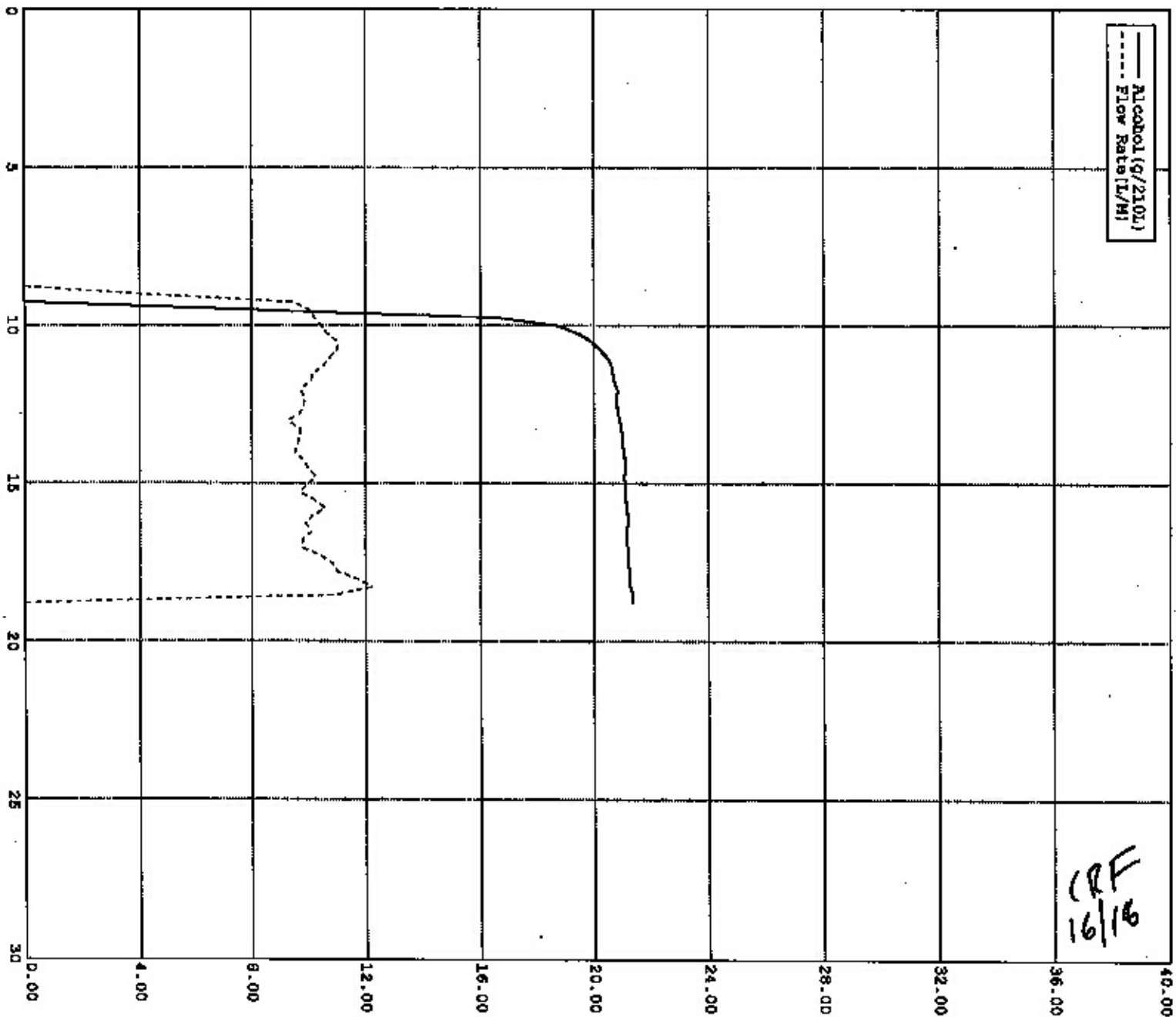
OPERATOR NAME:  
 INTERFERENCE ERROR AND IPA  
 OPERATOR'S S #: XXXX

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

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.85: 0.079  
 LOT #: 33509080A1  
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:36
BLANK TEST	0.000	14:36
INTERNAL STANDARD	VERIFIED	14:36
EXTERNAL STANDARD	0.081	14:36
BLANK TEST	0.000	14:37
SUBJECT SAMPLE	INTERFERENCE	14:38

CRF



CRF  
 6/16



SUBJECT TEST

Alaska Department of Public Safety  
 LABORATORY Unit: 100415

Date: 06/08/2011 *CMF 6/27/11*  
 Time: 14:41:18

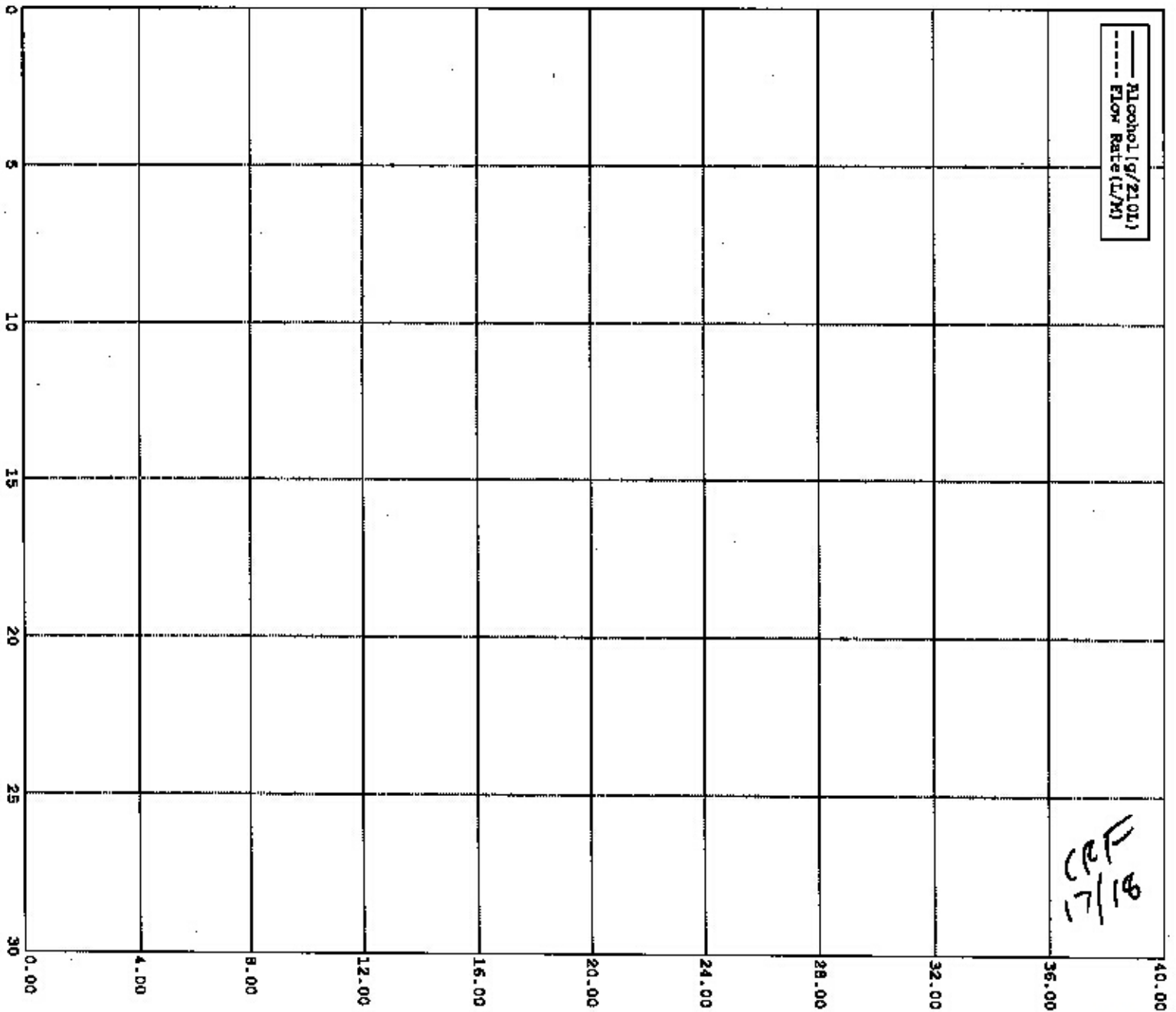
SUBJECT NAME:  
 TEST TEST  
 LICENSE #: XXXX

OPERATOR NAME:  
 RTI XXXX  
 OPERATOR'S #: XXXX

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

INTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.84: 0.079  
 ION #: 3360908001  
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK  
 BLANK TEST PASSED 14:42  
 INTERNAL STANDARD VERIFIED 14:42  
 EXTERNAL STANDARD 0.081 14:43  
 BLANK TEST 0.000 14:44  
 RTI Detected



SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dnt: 100415

Date: 06/02/2011 *CRF 6/27/11*  
Time: 14:51:50

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

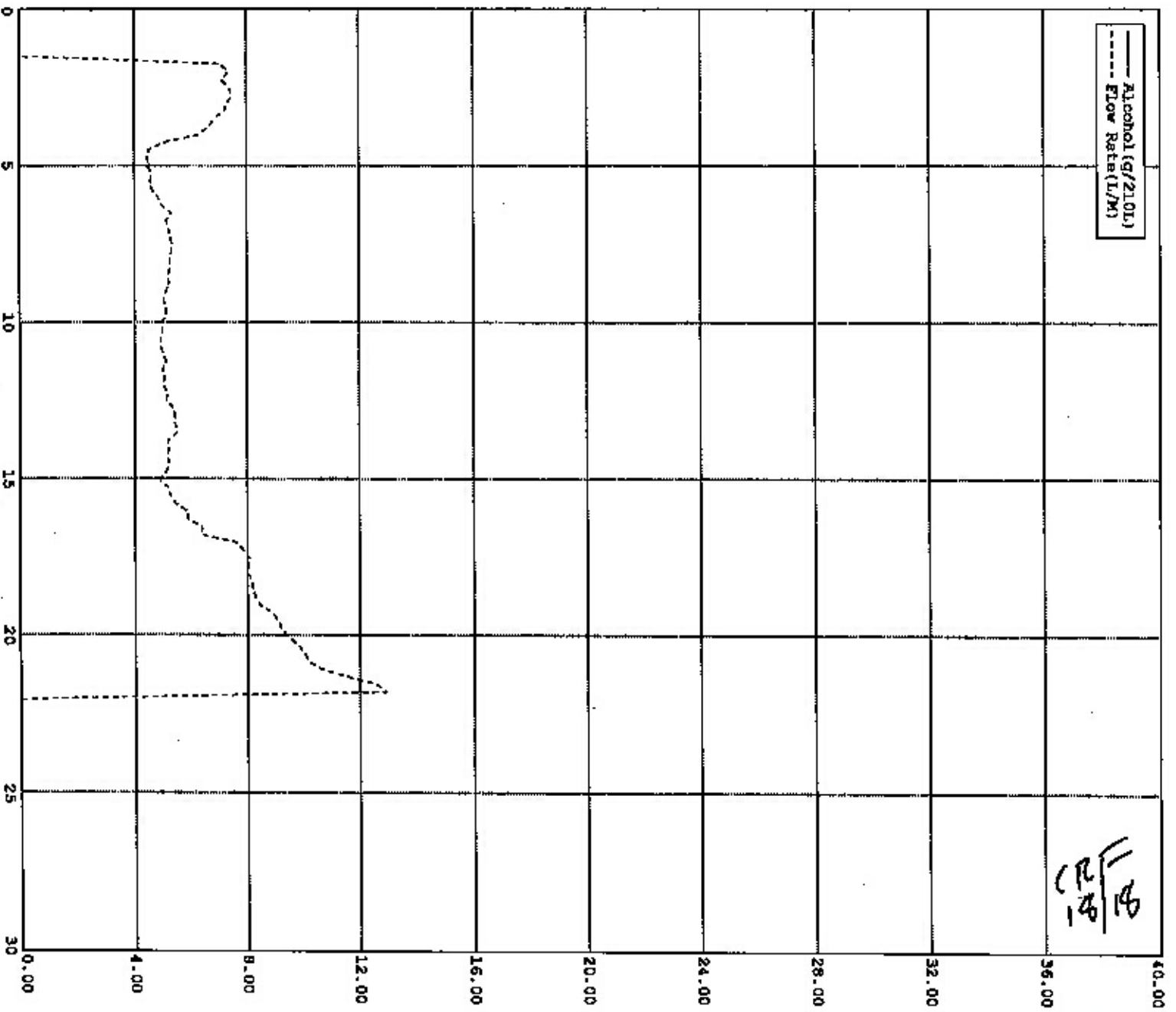
OPERATOR NAME:  
CHARLES FOSTER  
OPERATOR'S #: 7734

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

INTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET RT 29.64: 0.079  
LOT #: 33609080A1  
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:52
BLANK TEST	0.000	14:53
INTERNAL STANDARD	0.081	14:53
INTERNAL STANDARD	0.000	14:54
BLANK TEST	0.000	14:54
SUBJECT SAMPLE	0.000	14:55
INTERNAL STANDARD	0.082	14:56
BLANK TEST	0.000	14:57

*CRF*



*CRF 6/27/11*

Final page for report

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2/18/2014