

	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 # 100422

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 1500 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 15210040A2 Exp 7/1/12
 - iii. 0.080g/210L Mnf ILMO Lot 02511080A3 Exp 2/1/13
 - iv. 0.100g/210L Mnf ILMO Lot 05611100A2 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
6. Functional Tests (attached)
 - a. Incomplete
 - b. Invalid
 - c. Interference
 - i. Acetone - Mnf Guth Lot 10280 Level 0.090 Exp 11/17/12
 1. Simulator Calibration Date 12/15/10 SN DR476
 - ii. Isopropanol - Mnf Guth Lot 10280 Level 0.090 Exp 11/17/12
 1. Simulator Calibration Date 12/16/10 SN SD1198
 - d. RFI
7. Calibrate Stylus
8. Verify card reader is functional
9. Upload
10. Reset Options
11. Non-Drinking Subject Test (attached)

Analyst CRFDate 10/10/11

1/18
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DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100422

Date: 10/10/2011
Time: 13:42:57

VERSIONS

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

TEMPERATURES

Sample Chamber = 40.7°C PASSED
Breath Tube = 44.7°C PASSED

PUMP INFO

Flow Rate = 4.966 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
CRF

Technician Screen

DAYMASTER dnt: 100422

Date: 10/10/2011
Time: 2:03 PM

Temperatures (°C)

Sample Cell: 49.1°C
Breath Tube: 44.4°C

Current Barometer 29.4 in
Volume (Ltr) 1.51

Settings

Lamp: 1.72 V
Bias: 80 V
Cooler: 1.70 V
Chopper: 543 Hz

Voltages (V)

Flow: 1.05 V
Detector: -0.062 V

3/18
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CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100422

Date: 10/03/2011
Time: 13:45:03

Ca = 0.1000
CAL = 1.010043 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0050 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.0960 0.0500 <= Xq < 0.2000
a21 = 1.221242 1.050 <= a21 < 1.300
a31 = 0.412262 0.300 <= a31 < 0.800

4/18
CRF

SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dnt: 100422

Date: 10/10/2011
 Time: 14:12:14

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

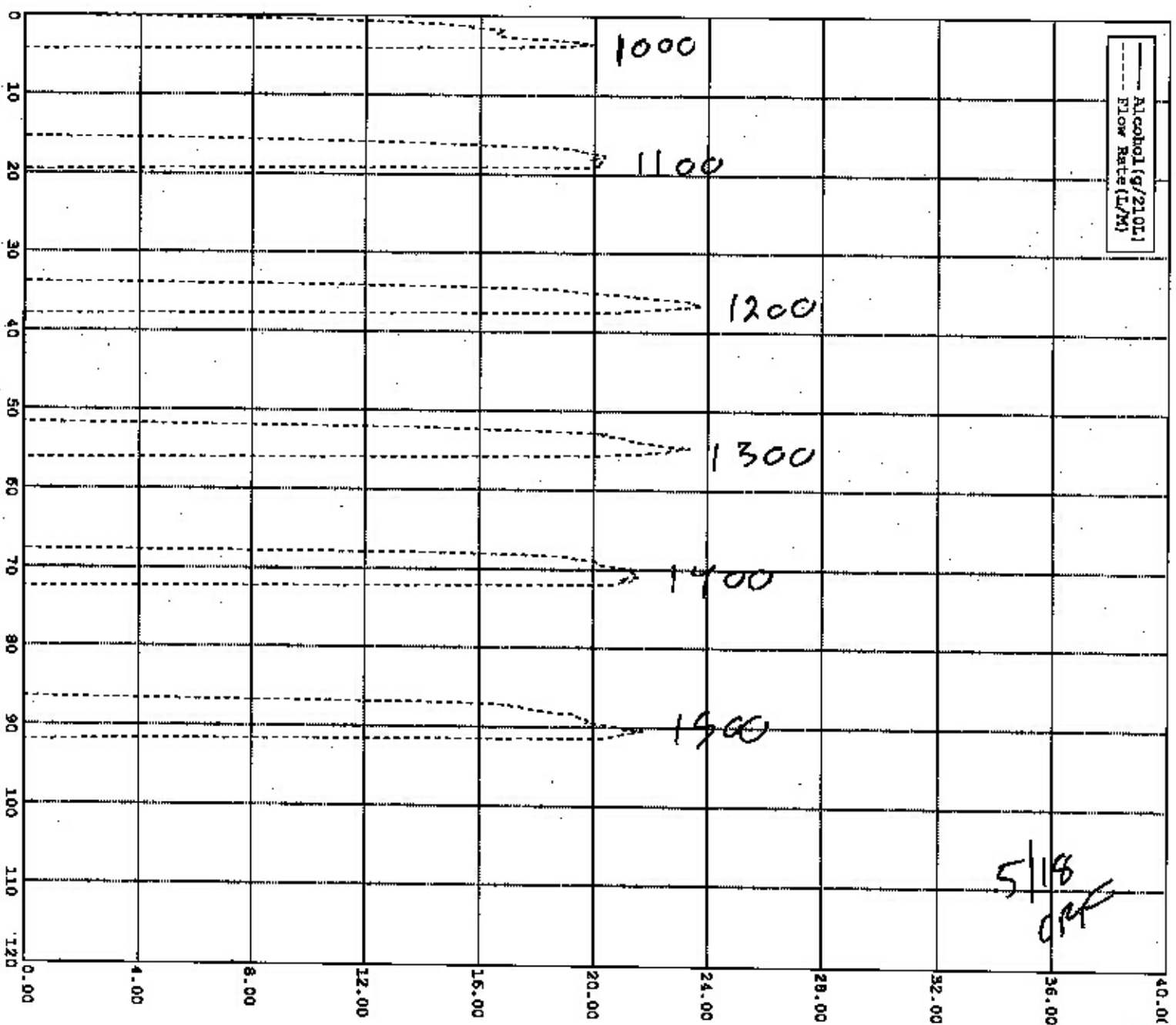
OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.43: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:13
BLANK TEST	0.000	14:13
INTERNAL STANDARD	0.078	14:13
EXTERNAL STANDARD	0.000	14:14
BLANK TEST	0.000	14:16
SUBJECT SAMPLE	0.000	14:17
EXTERNAL STANDARD	0.078	14:17
BLANK TEST	0.000	14:18

CRF



LINEARITY CHECK

Alaska Department of Public Safety
 DATABASE# 100422

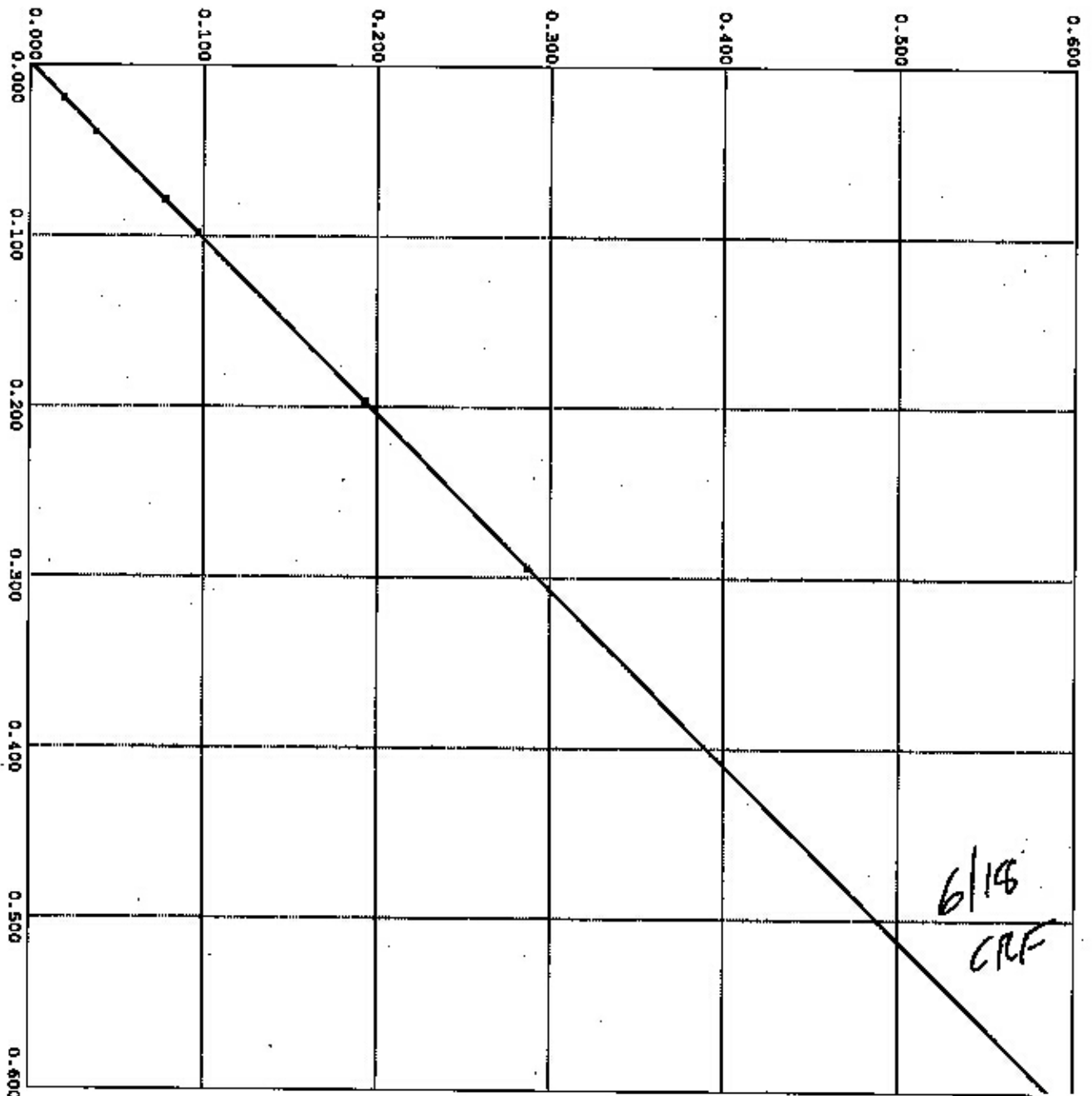
Date: 10/10/2011
 Time: 14:21:22

SUPERVISOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0202	0.0004
0.039	0.0390	0.0000
0.078	0.0782	0.0004
0.098	0.0976	0.0005
0.196	0.1938	0.0004
0.294	0.2876	0.0005

SLOPE = 0.574636
 R² = 0.99977

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LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATEMASTER dmt: 100422

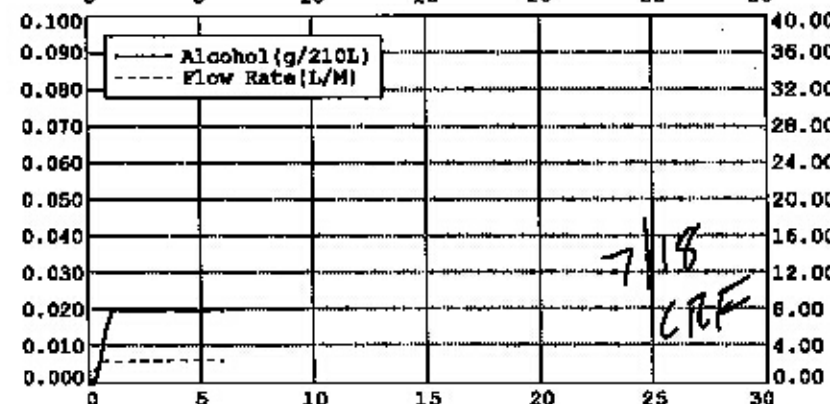
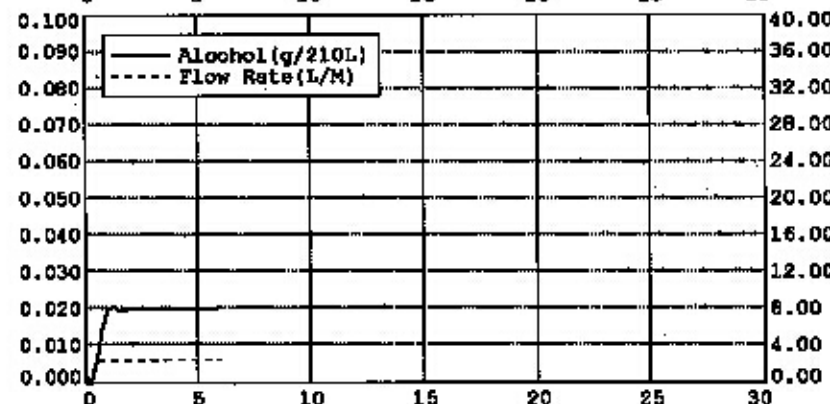
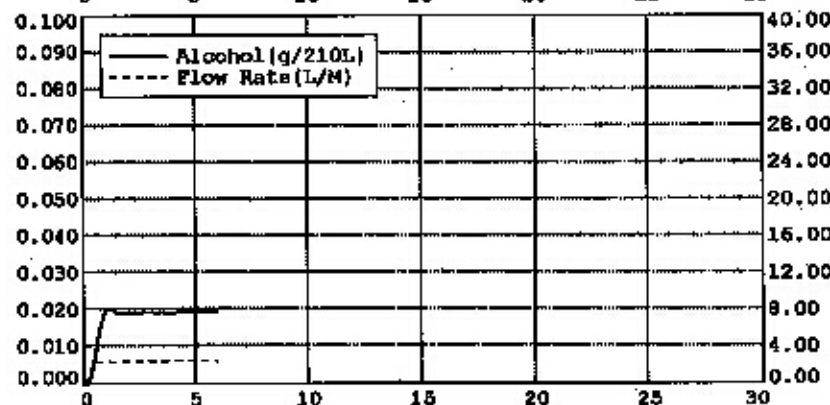
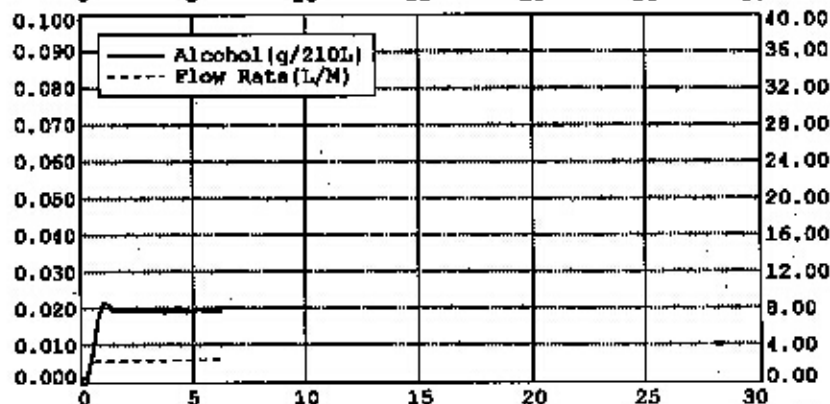
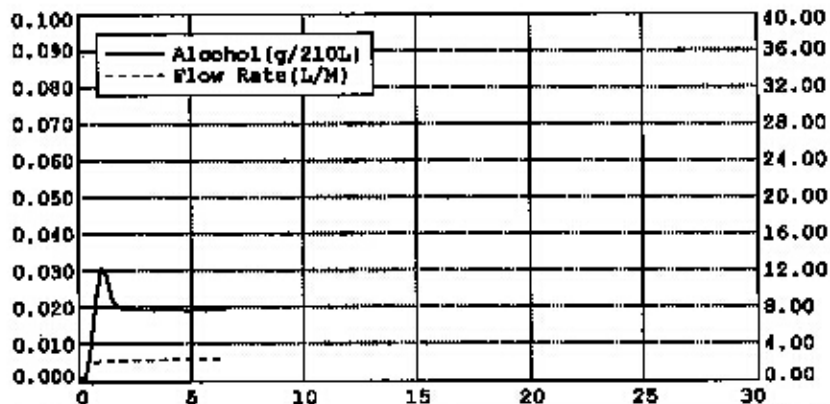
Date: 10/10/2011
Time: 14:21:24

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.43; 0.019
LOT #: 02811020A1
EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:22
INTERNAL STANDARD	VERIFIED	14:22
EXTERNAL STANDARD	0.020	14:22
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.020	14:24
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.020	14:25
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.021	14:26
BLANK TEST	0.000	14:27
EXTERNAL STANDARD	0.020	14:27
BLANK TEST	0.000	14:28

Average = 0.0202
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DADAMASTER dmt: 100422

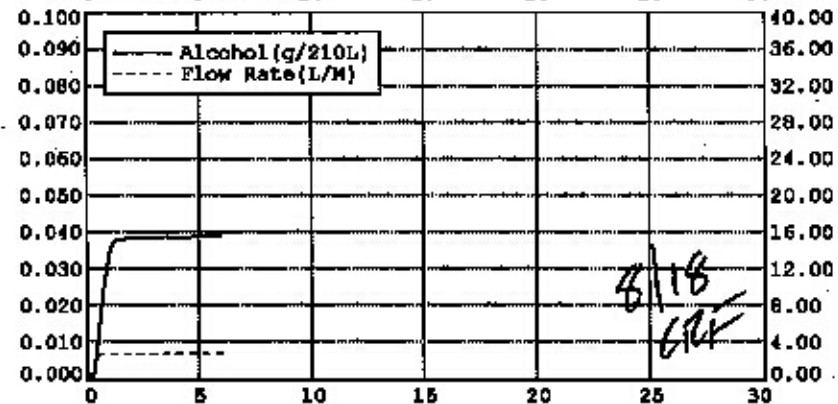
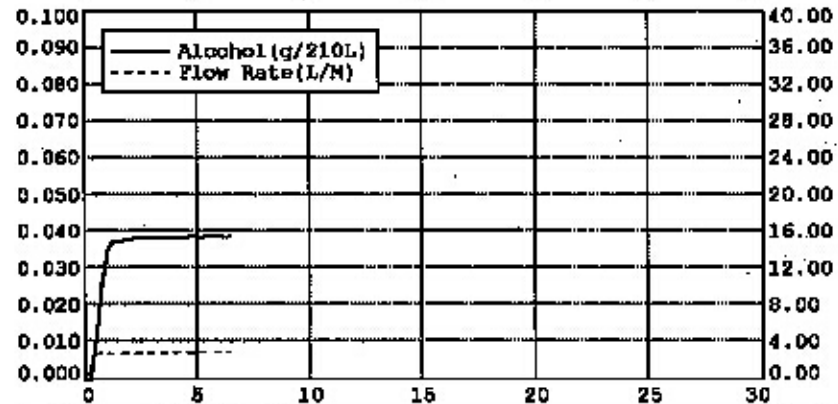
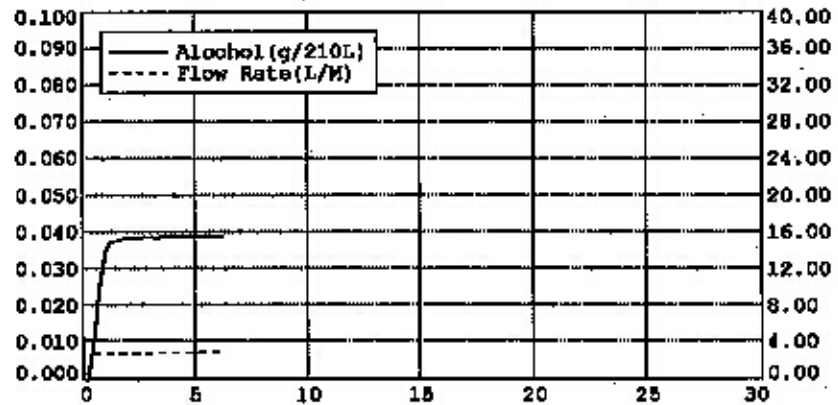
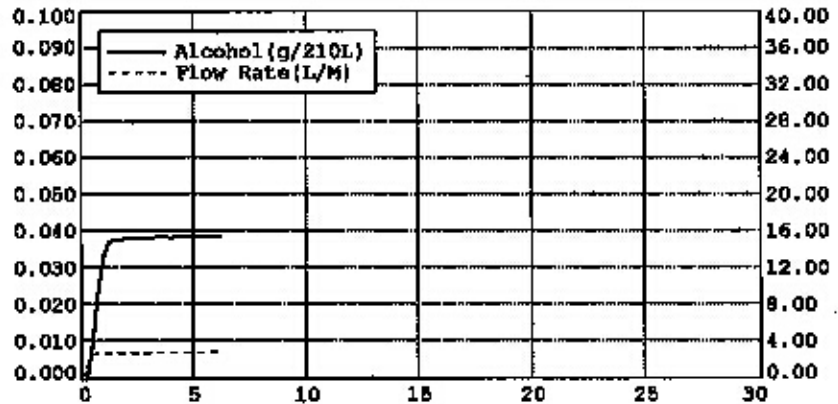
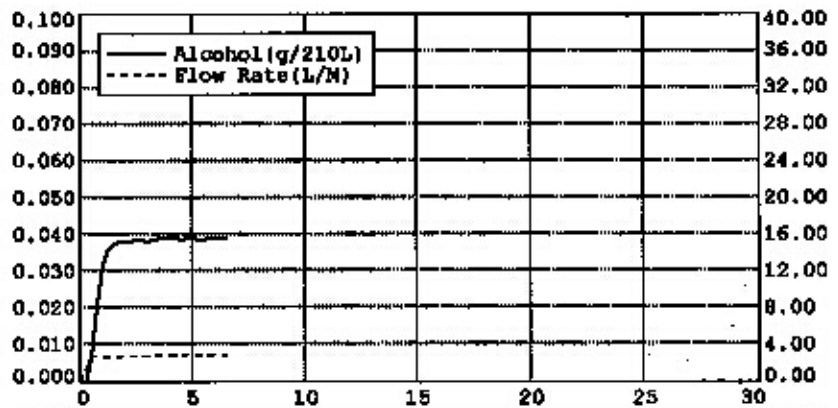
Date: 10/10/2011
Time: 14:29:54

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.43: 0.039
LOT #: 15210040A2
EXPIRATION: 07/01/2012

BLANK TEST	0.000	14:31
INTERNAL STANDARD	VERIFIED	14:31
EXTERNAL STANDARD	0.039	14:31
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.039	14:32
BLANK TEST	0.000	14:33
EXTERNAL STANDARD	0.039	14:33
BLANK TEST	0.000	14:34
EXTERNAL STANDARD	0.039	14:34
BLANK TEST	0.000	14:35
EXTERNAL STANDARD	0.039	14:35
BLANK TEST	0.000	14:36

Average = 0.0390
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmc: 100422

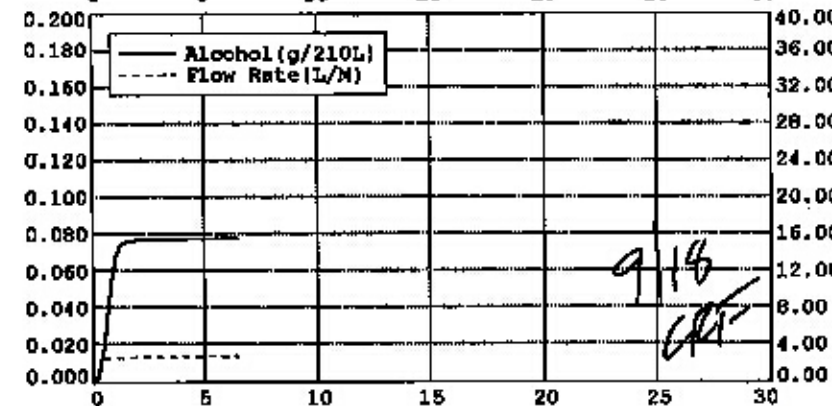
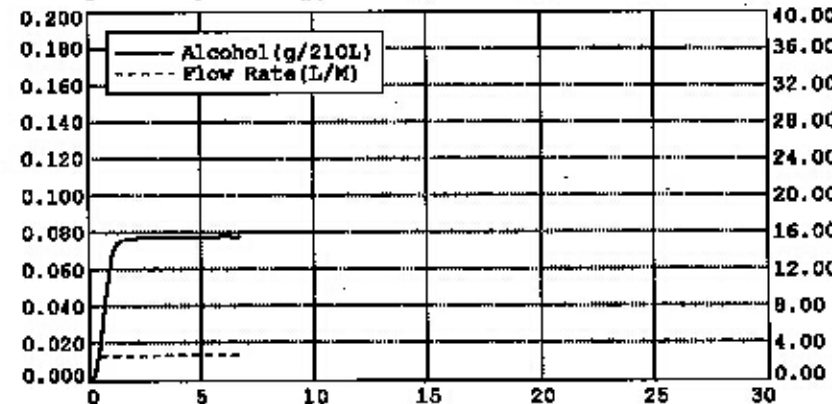
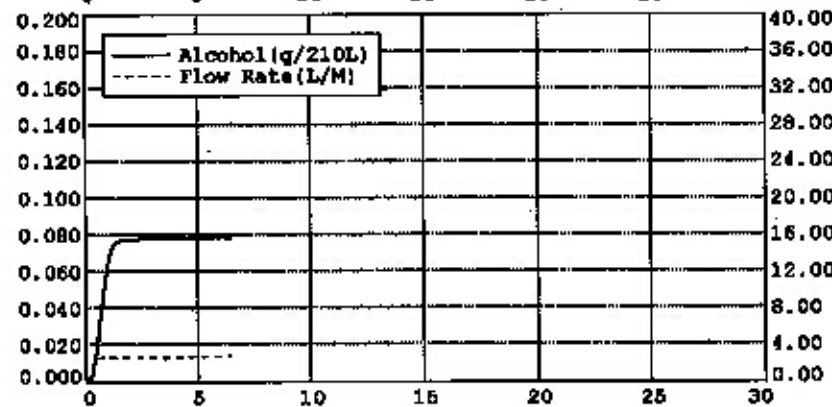
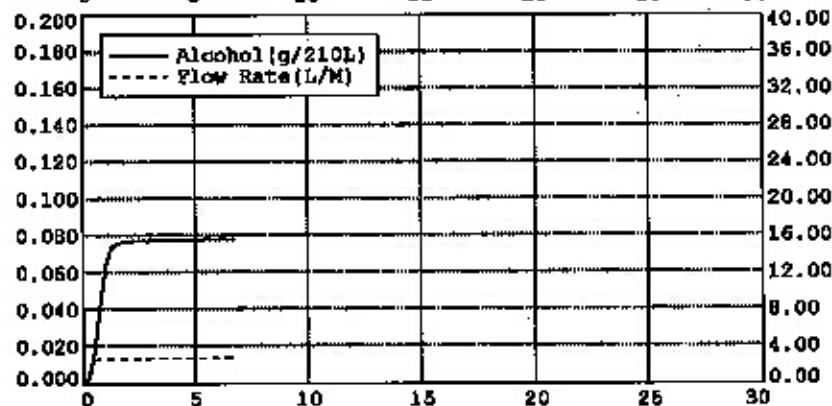
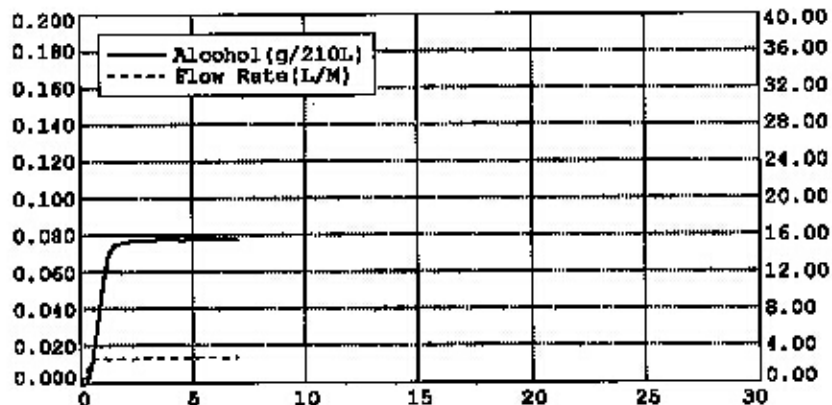
Date: 10/10/2011
Time: 14:38:21

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.43: 0.078
LOT #: 02511080A3
EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:39
INTERNAL STANDARD	VERIFIED	14:39
EXTERNAL STANDARD	0.078	14:39
BLANK TEST	0.000	14:40
EXTERNAL STANDARD	0.078	14:41
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.079	14:42
BLANK TEST	0.000	14:43
EXTERNAL STANDARD	0.078	14:43
BLANK TEST	0.000	14:44
EXTERNAL STANDARD	0.078	14:44
BLANK TEST	0.000	14:45

Average = 0.0782
Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER dnt: 100422

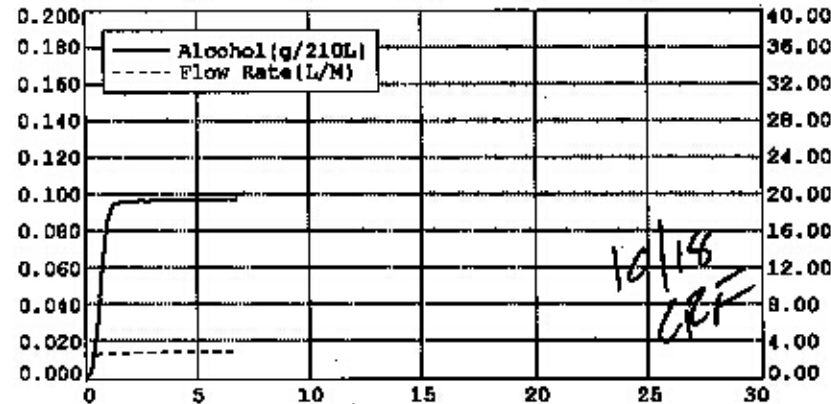
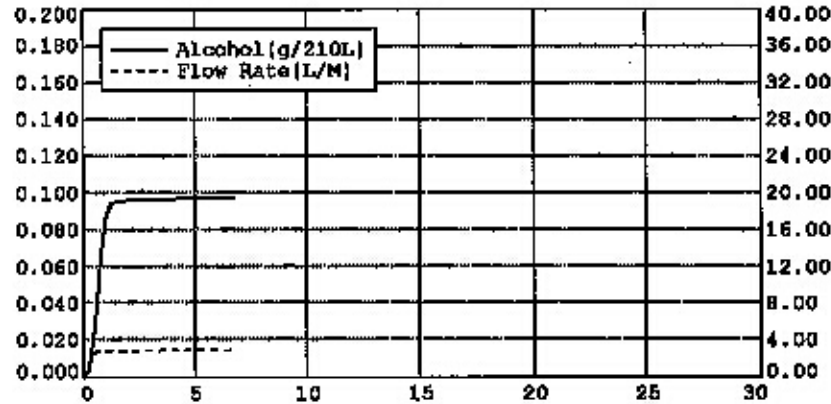
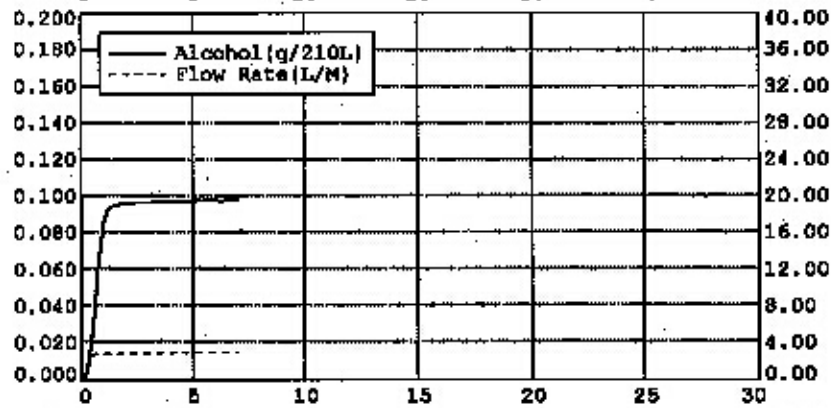
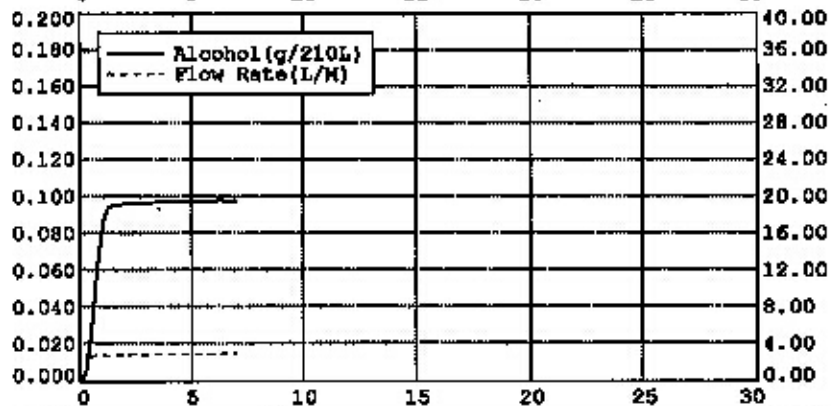
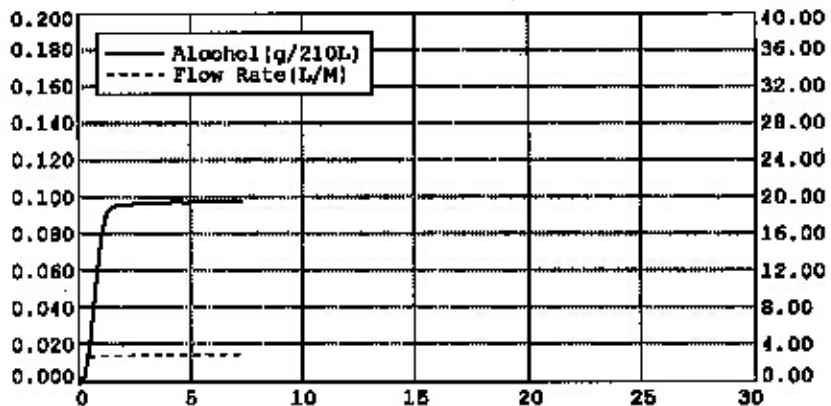
Date: 10/10/2011
Time: 14:46:12

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.43: 0.098
LOT #: 05611100A2
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:47
INTERNAL STANDARD	VERIFIED	14:47
EXTERNAL STANDARD	0.098	14:47
BLANK TEST	0.000	14:48
EXTERNAL STANDARD	0.098	14:48
BLANK TEST	0.000	14:49
EXTERNAL STANDARD	0.097	14:50
BLANK TEST	0.000	14:50
EXTERNAL STANDARD	0.097	14:51
BLANK TEST	0.000	14:52
EXTERNAL STANDARD	0.098	14:52
BLANK TEST	0.000	14:53

Average = 0.0976
Std Dev = 0.0005



LINEARITY CHECK: Control Test 5

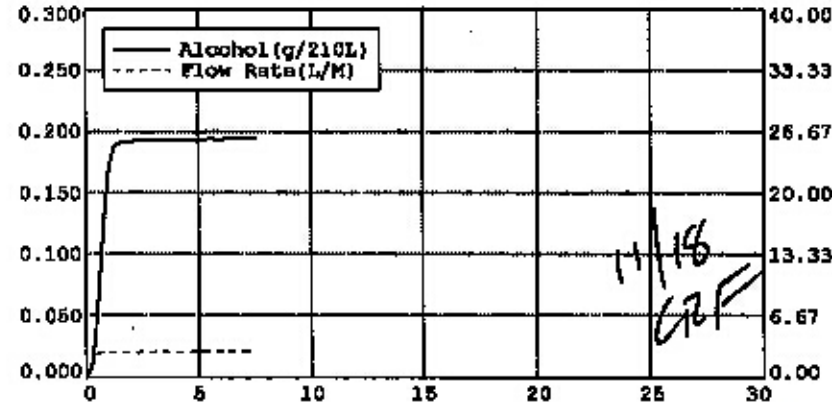
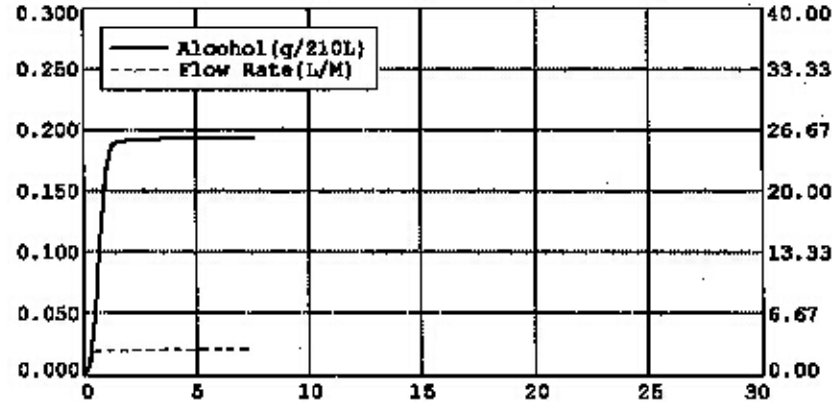
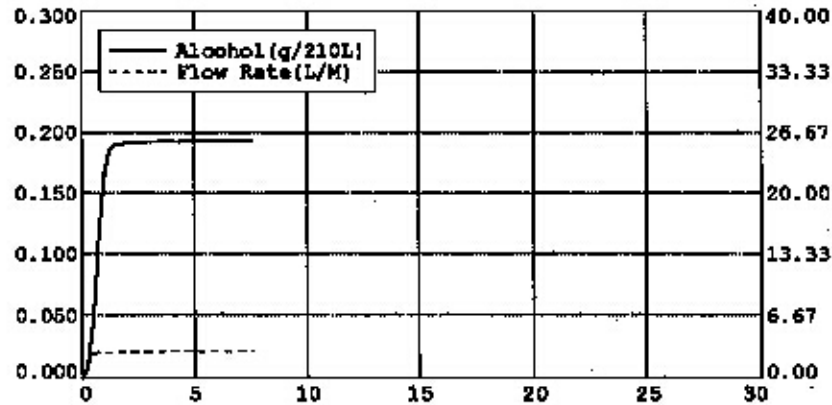
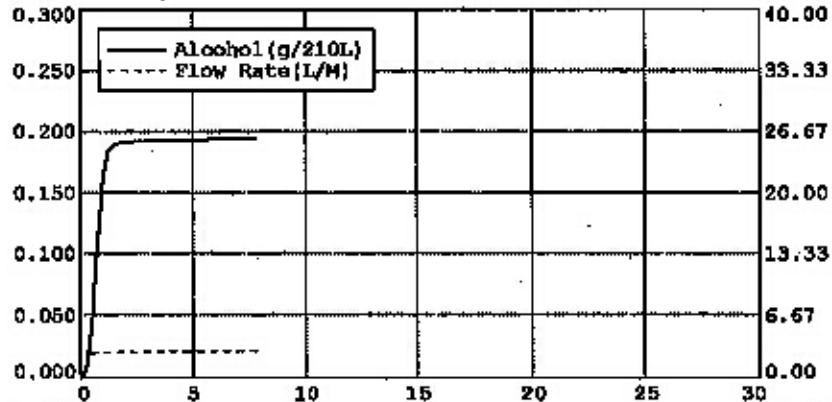
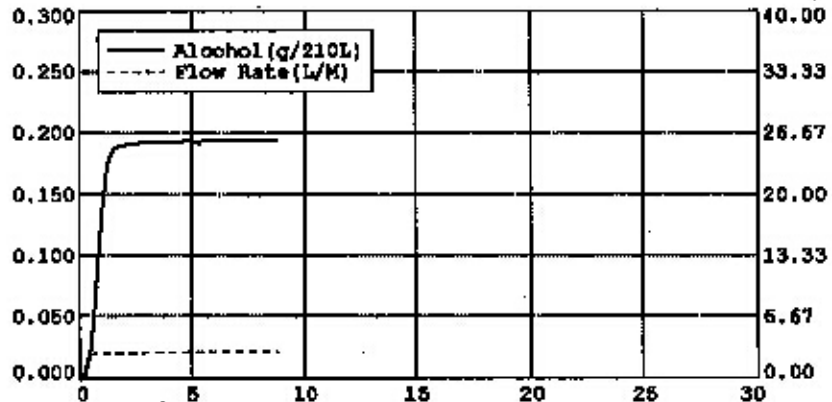
Alaska Department of Public Safety
 DATAMASTER dnt: 100422

Date: 10/10/2011
 Time: 14:54:58

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.43: 0.196
 LOT #: 07411208A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:56
INTERNAL STANDARD	VERIFIED	14:56
EXTERNAL STANDARD	0.194	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.194	14:58
BLANK TEST	0.000	14:59
EXTERNAL STANDARD	0.193	14:59
BLANK TEST	0.000	15:00
EXTERNAL STANDARD	0.194	15:00
BLANK TEST	0.000	15:01
EXTERNAL STANDARD	0.194	15:01
BLANK TEST	0.000	15:02

Average = 0.1938
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

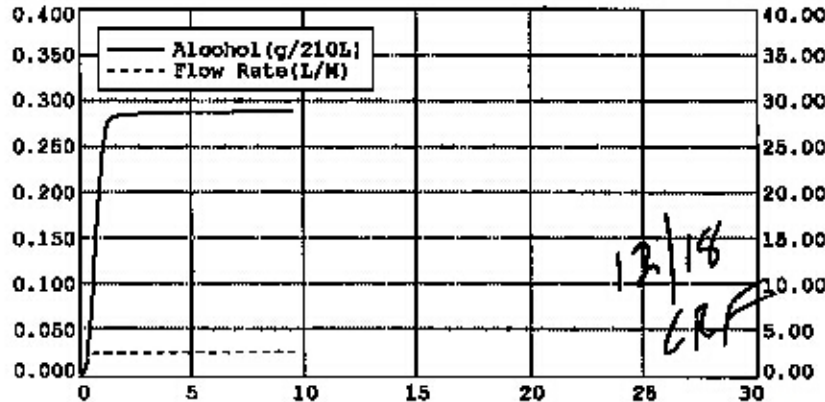
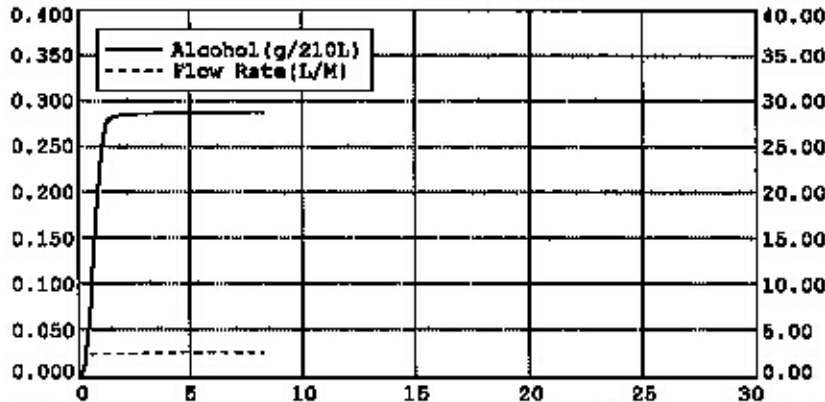
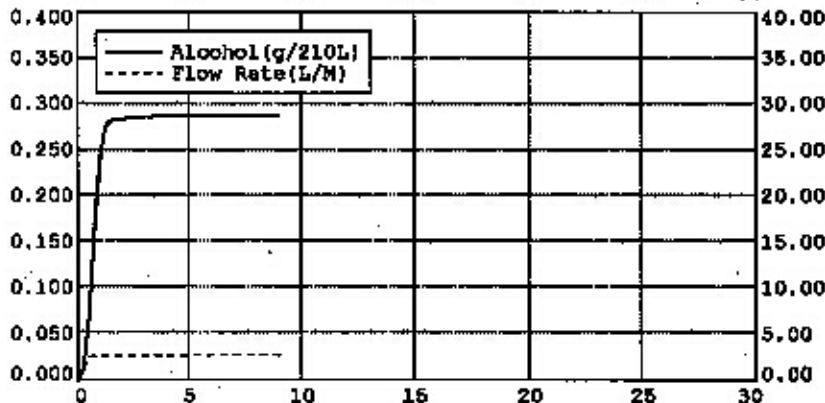
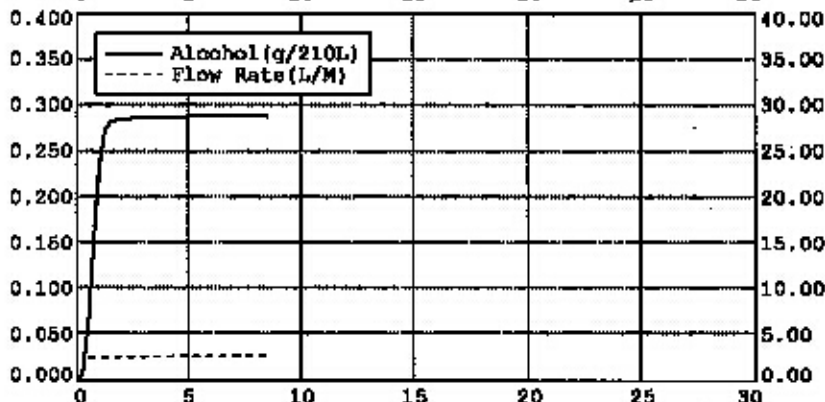
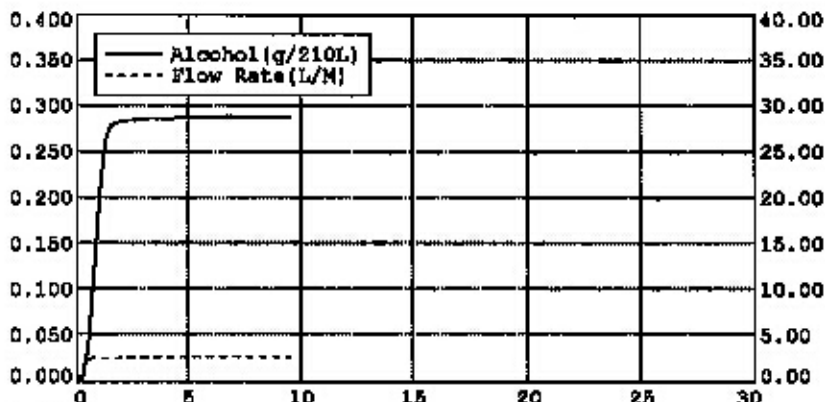
Alaska Department of Public Safety
DATAMASTER dnt: 100422

Date: 10/10/2011
Time: 15:03:32

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.42: 0.294
LOT #: 07411300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:04
INTERNAL STANDARD	VERIFIED	15:04
EXTERNAL STANDARD	0.288	15:05
BLANK TEST	0.000	15:06
EXTERNAL STANDARD	0.288	15:06
BLANK TEST	0.000	15:07
EXTERNAL STANDARD	0.287	15:07
BLANK TEST	0.000	15:08
EXTERNAL STANDARD	0.288	15:08
BLANK TEST	0.000	15:09
EXTERNAL STANDARD	0.287	15:09
BLANK TEST	0.000	15:10

Average = 0.2876
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dmc: 100422

Date: 10/11/2011
 Time: 08:12:23

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

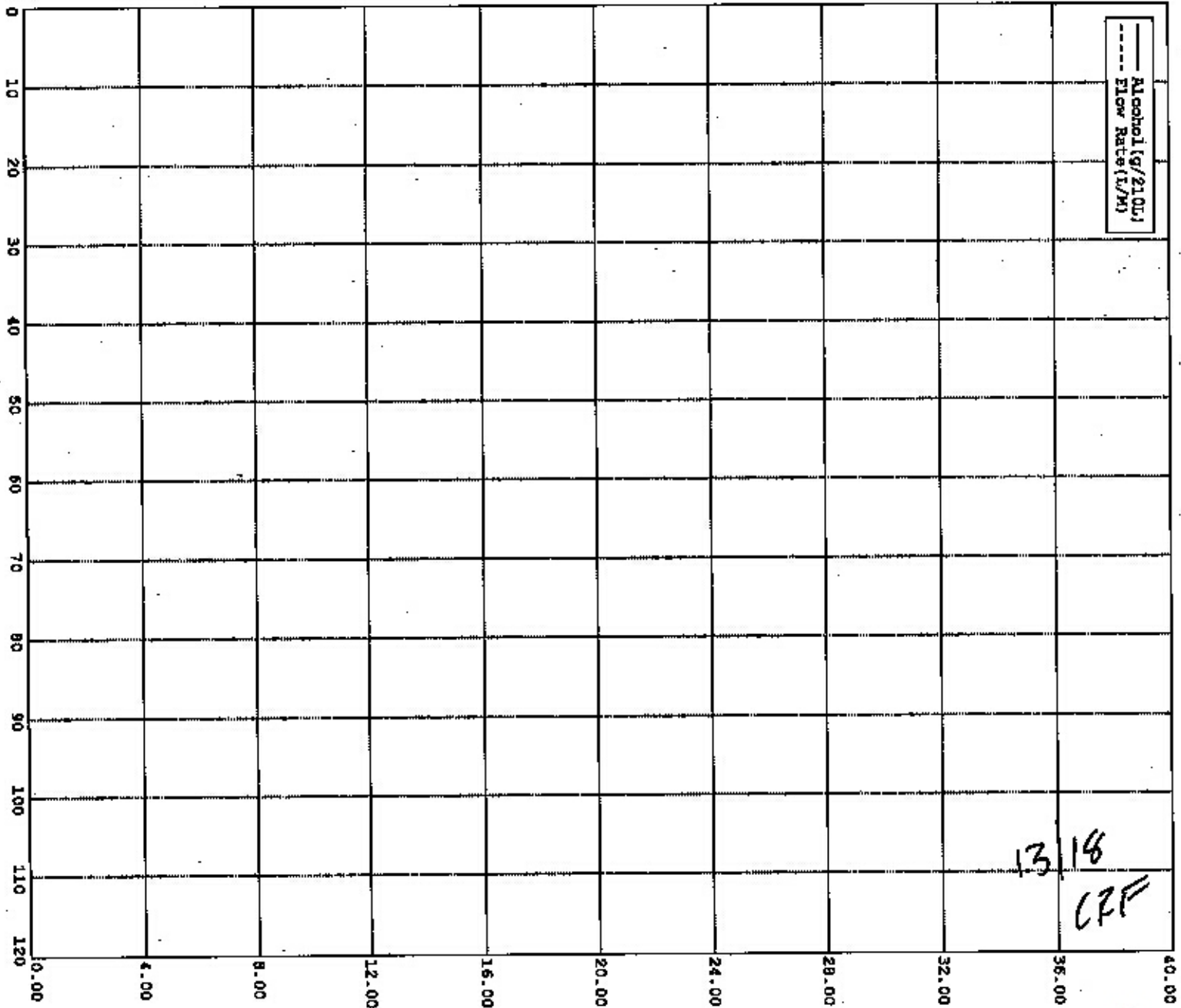
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.43: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:13
BLANK TEST	0.000	08:13
INTERNAL STANDARD	VERIFIED	08:13
EXTERNAL STANDARD	0.078	08:13
BLANK TEST	0.000	08:14
SUBJECT SAMPLE	INCOMPLETE	08:16

CRF



SUBJECT TEST

Alaska Department of Public Safety
LABORATORY DIV: 100422

Date: 10/11/2011
Time: 08:21:28

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

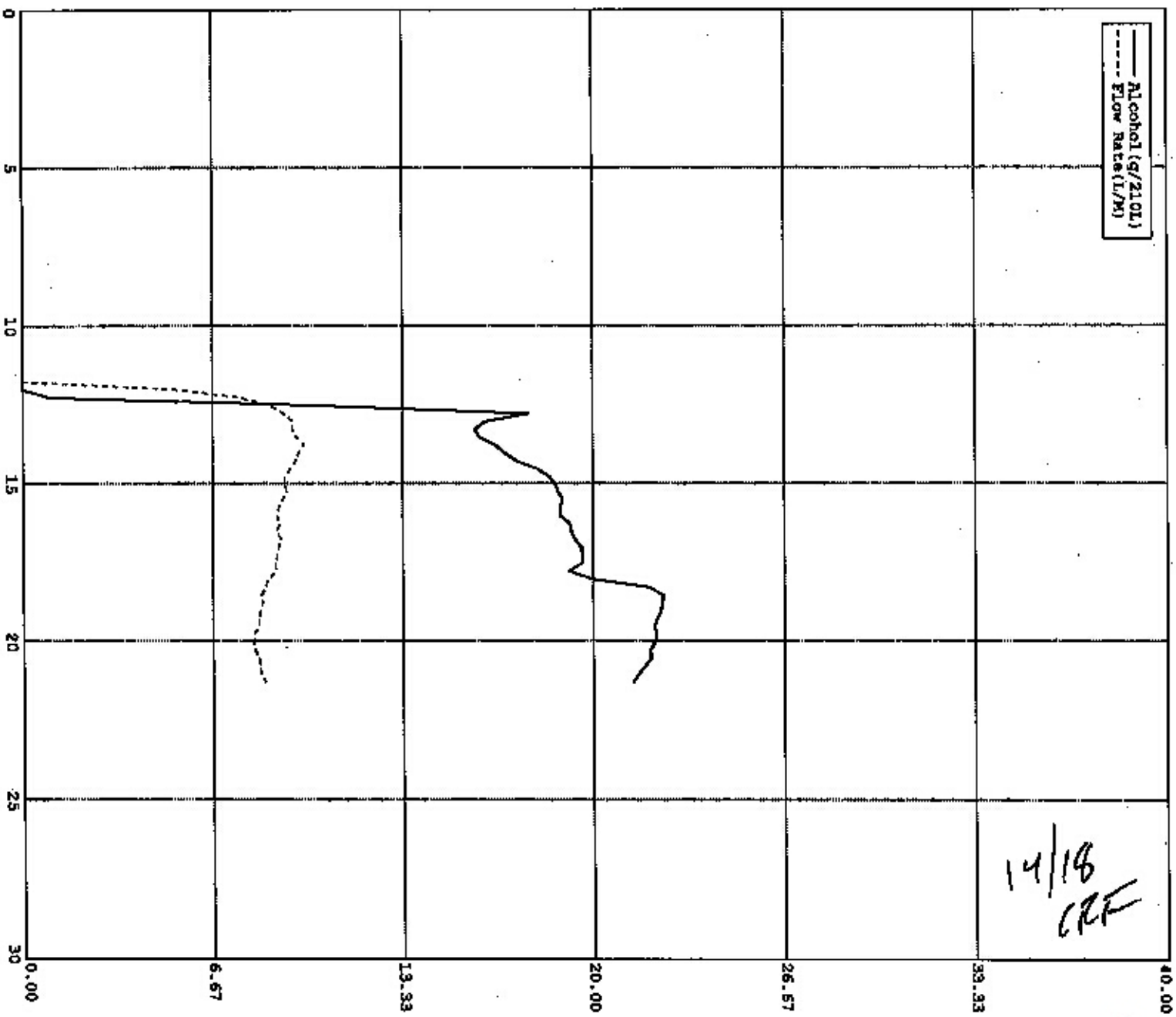
OPERATOR NAME:
INVALID XROM MOTOR PROH
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NUMERICAL: 0.080
TARGET AT 29.43: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:23
BLANK TEST	0.000	08:23
INTERNAL STANDARD	VERIFIED	08:23
EXTERNAL STANDARD	0.078	08:24
BLANK TEST	0.000	08:25
SUBJECT SAMPLE	INVALID	08:25

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SUBJECT TEST

Alaska Department of Public Safety
DATUMASTER dnt: 100422

Date: 10/11/2011
Time: 08:28:35

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

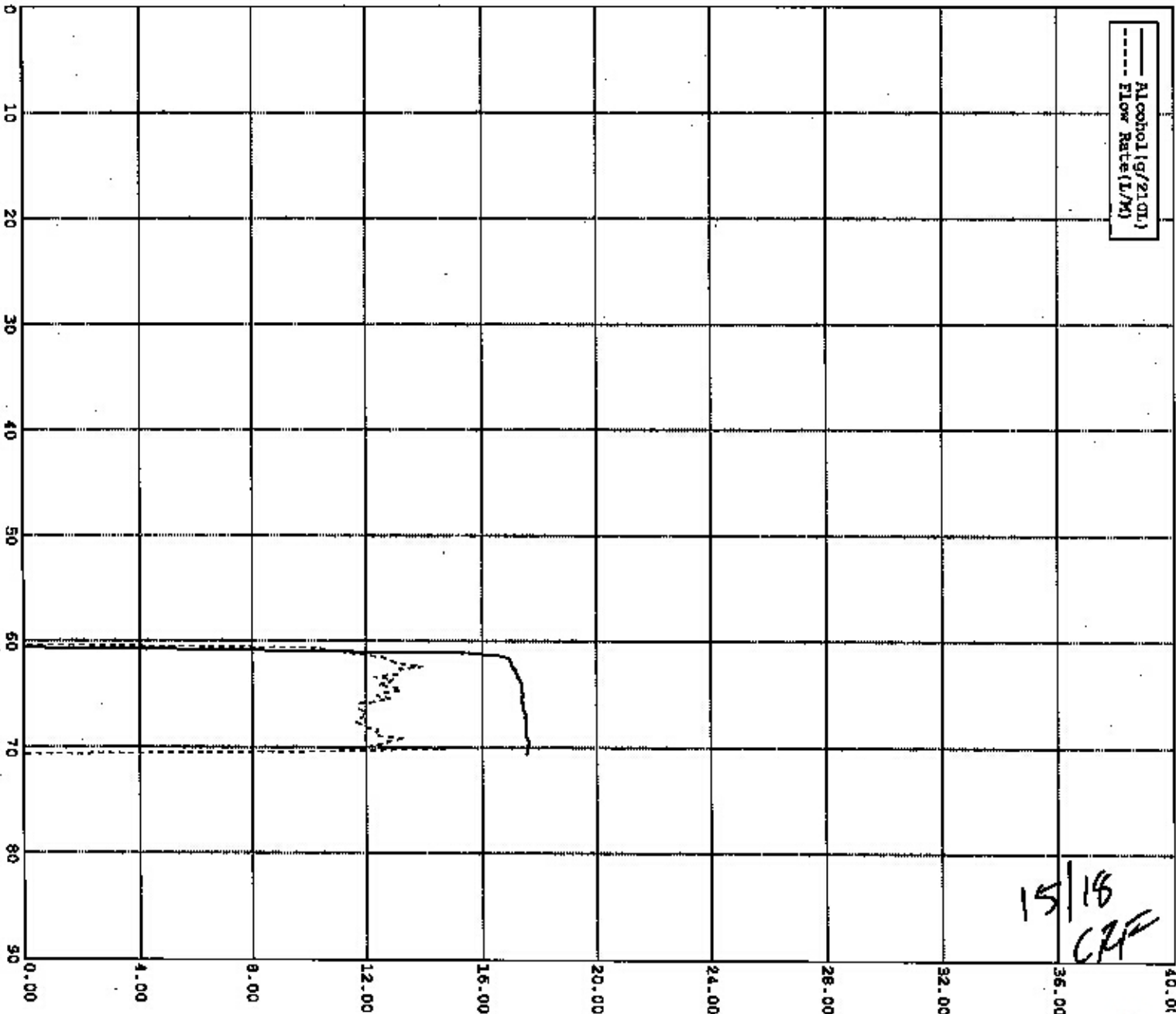
OPERATOR NAME:
INTERFERENCE FUDGE AND ACESTONE
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.43: 0.078
LOE #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:29
BLANK TEST	0.000	08:29
INTERNAL STANDARD	VERIFIED	08:30
EXTERNAL STANDARD	0.078	08:30
BLANK TEST	0.000	08:31
SUBJECT SAMPLE	INTERFERENCE	08:32

CRF



SUBJECT TEST

Alaska Department of Public Safety
DEPARTMENT dmt: 100422

Date: 10/11/2011
Time: 08:36:58

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

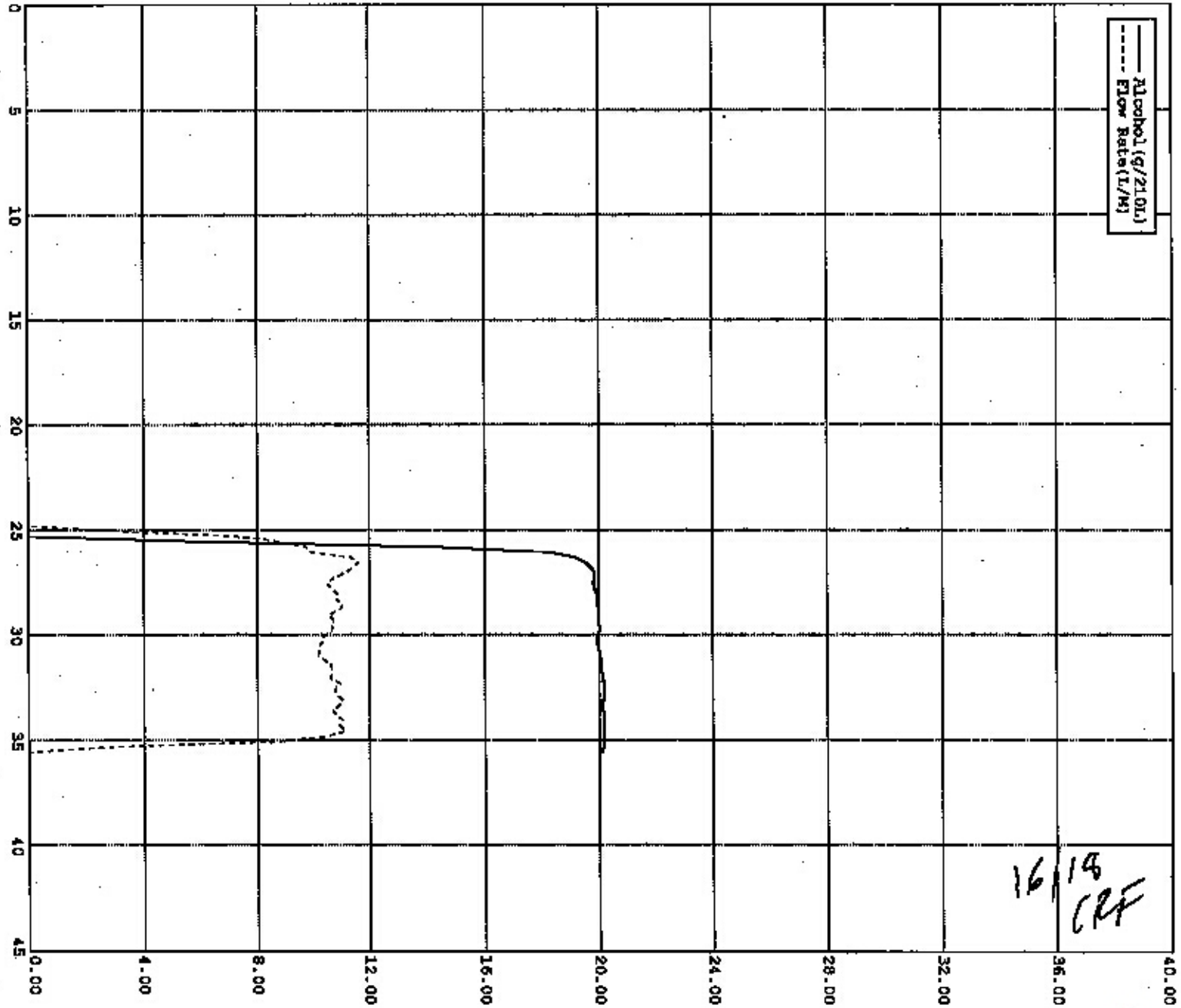
OPERATOR NAME:
INTERFERENCE SPOOF AND IPA
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.090
TARGET AT 29.43: 0.078
LOT #: 02511680A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:38
BLANK TEST	0.000	08:38
INTERNAL STANDARD	VERIFIED	08:38
EXTERNAL STANDARD	0.078	08:38
BLANK TEST	0.000	08:39
SUBJECT SAMPLE	INTERFERENCE	08:40

CRF



SUBJECT TEST

Alaska Department of Public Safety
 ADMINISTRATOR dmc: 100422

Date: 10/11/2011
 Time: 08:43:05

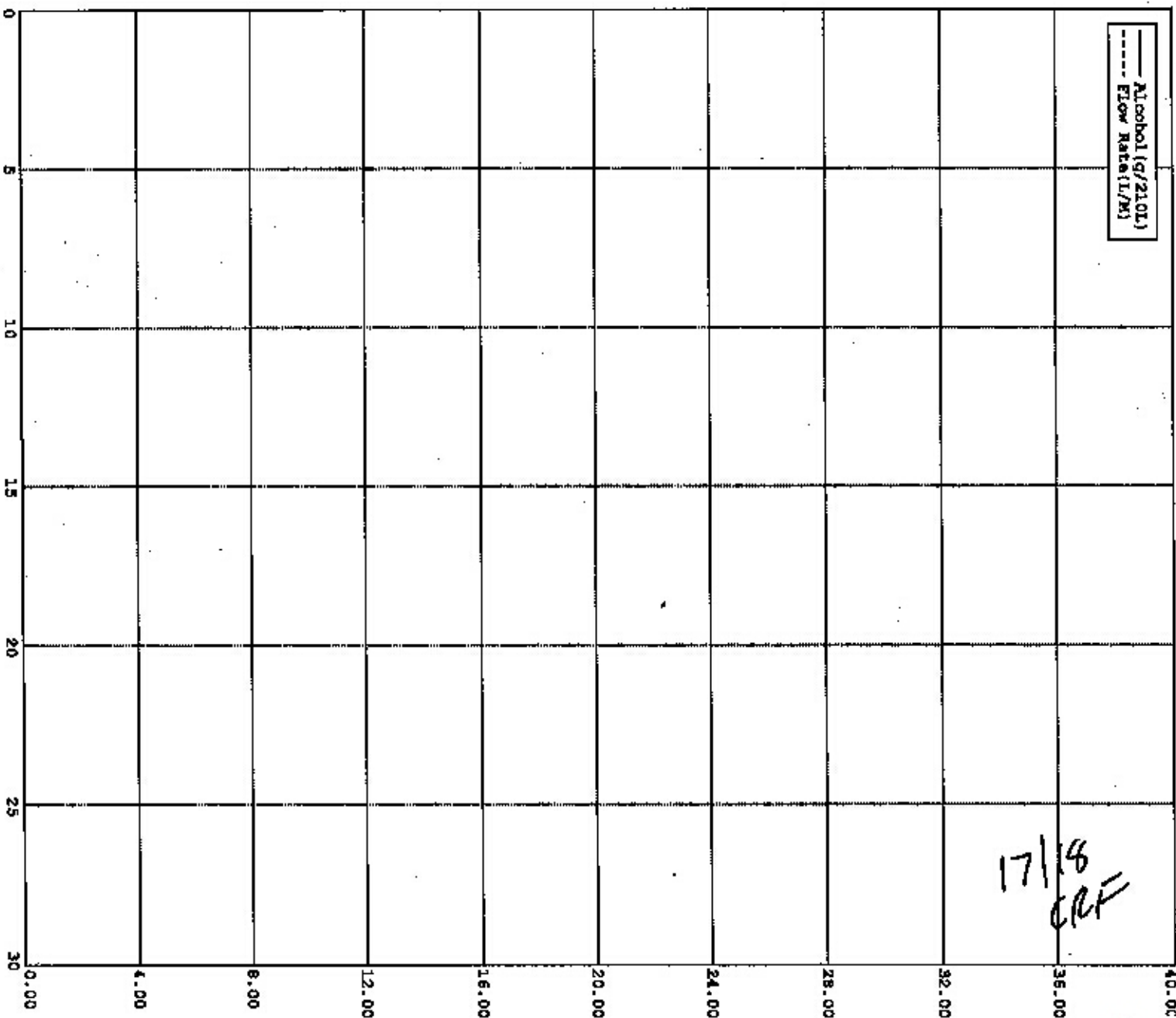
SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 RPT XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.43: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
 BLANK TEST PASSED 08:44
 INTERNAL STANDARD VERIFIED 08:44
 EXTERNAL STANDARD 0.078 08:45
 BLANK TEST 0.000 08:45
 RET Detected



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dmt: 100422

Date: 10/11/2011
 Time: 09:45:46

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

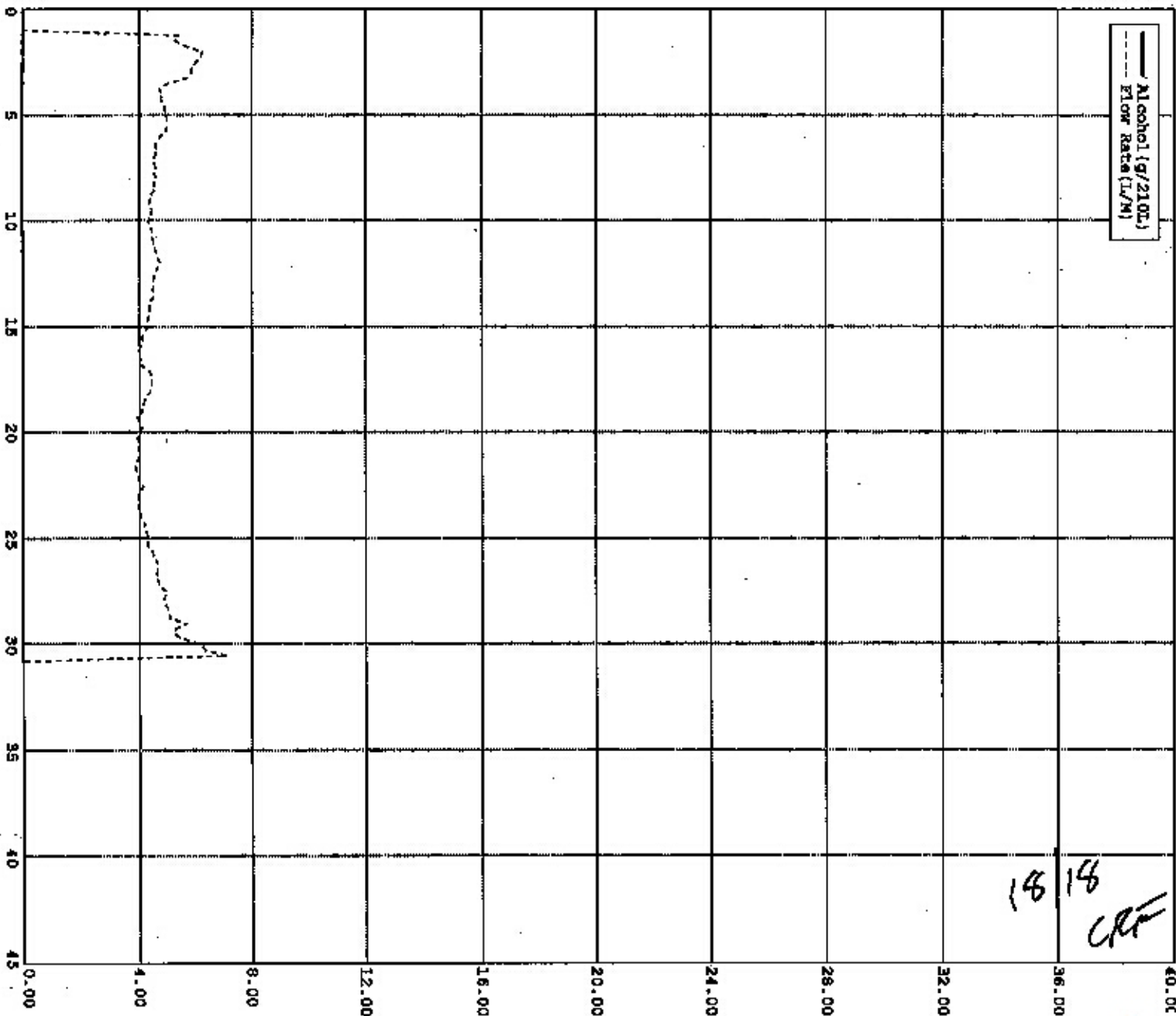
OPERATOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.43: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	09:46
BLANK TEST	0.000	09:46
INTERNAL STANDARD	VERIFIED	09:47
EXTERNAL STANDARD	0.078	09:47
BLANK TEST	0.000	09:48
SUBJECT SAMPLE	0.000	09:48
BLANK TEST	0.000	09:49
EXTERNAL STANDARD	0.078	09:49
BLANK TEST	0.000	09:50

CRF



Final page for report

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