	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 # 100384Analyst Brandi BarnettDate 5/2/11

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 1600 mL
5. Dry Gas Linearity Test (attached)
  - a. Levels Used 
    - i. 0.020g/210L Mnf ILMO Lot 02811020A1 Exp 02/01/2013
    - ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 02/01/2013
    - iii. 0.080g/210L Mnf ILMO Lot 02511080A3 Exp 02/01/2013
    - iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 03/01/2013
    - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/01/2013
    - vi. 0.300g/210L Mnf ILMO Lot 07411300A1 Exp 03/01/2013
6. Functional Tests (attached)
  - a. Incomplete
  - b. Invalid
  - c. Interference 
    - i. Acetone - Mnf Guth Lot 09340 Level 0.080 Exp 12/2/2011
      1. Simulator Calibration Date 10/18/2010 SN DR 6267
    - ii. Isopropanol - Mnf Guth Lot 09340 Level 0.080 Exp 12/2/2011
      1. Simulator Calibration Date 8/4/2010 SN SD202
  - d. RFI
7. Calibrate Stylus
8. Verify card reader is functional
9. Upload
10. Reset Options
11. Non-Drinking Subject Test (attached)

1/18/2011

## DIAGNOSTIC RECORD

Alaska Department of Public Safety  
DATAMASTER dat: 100384

Date: 05/02/2011  
Time: 13:48:26

## VERSIONS

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

## TEMPERATURES

Sample Chamber = 49.1°C PASSED  
Breath Tube = 48.1°C PASSED

## PUMP INFO

Flow Rate = 5.019 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

2/18/11 BMB

Technician Screen

-----  
DATAMASTER dnt: 100384  
-----

Date: 05/02/2011  
Time: 2:02 PM

Temperatures (°C)

Sample Cell: 49.1°C  
Breath Tube: 48.1°C

Current Barometer 29.6 in  
Volume (Ltr) 1.54

Settings

Lamp: 1.63 V  
Bias: 80 V  
Cooler: 1.59 V  
Chopper: 525 Hz

Voltages (V)

Flow: 1.05 V  
Detector: 0.351 V

3/18/2011

CALIBRATION FACTORS

-----  
Alaska Department of Public Safety  
DAIRMASTER dnt: 100384  
-----

Date: 04/26/2011  
Time: 08:39:23

SUPERVISOR NAME:  
COLLEEN S OBRVANT  
CERTIFICATE #: 6237

LOT #: GUTH100  
BOTTLE #: 10260  
EXPIRATION: 10/25/2012

Ca	=	0.1000		
CAL	=	0.964532	0.800	<= CAL < 1.200
b1	=	0.0003	0.0000	<= b1 < 0.0040
b2	=	0.0054	0.0010	<= b2 < 0.0100
b3	=	0.0004	0.0000	<= b3 < 0.0040
Xg	=	0.0829	0.0500	<= Xg < 0.2000
a21	=	1.181030	1.050	<= a21 < 1.300
a31	=	0.525071	0.300	<= a31 < 0.800

4/18/11

SUBJECT TEST

Alaska Department of Public Safety  
 PARAMETER dnt: 100384

Date: 05/02/2011  
 Time: 14:04:25

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: XXXX

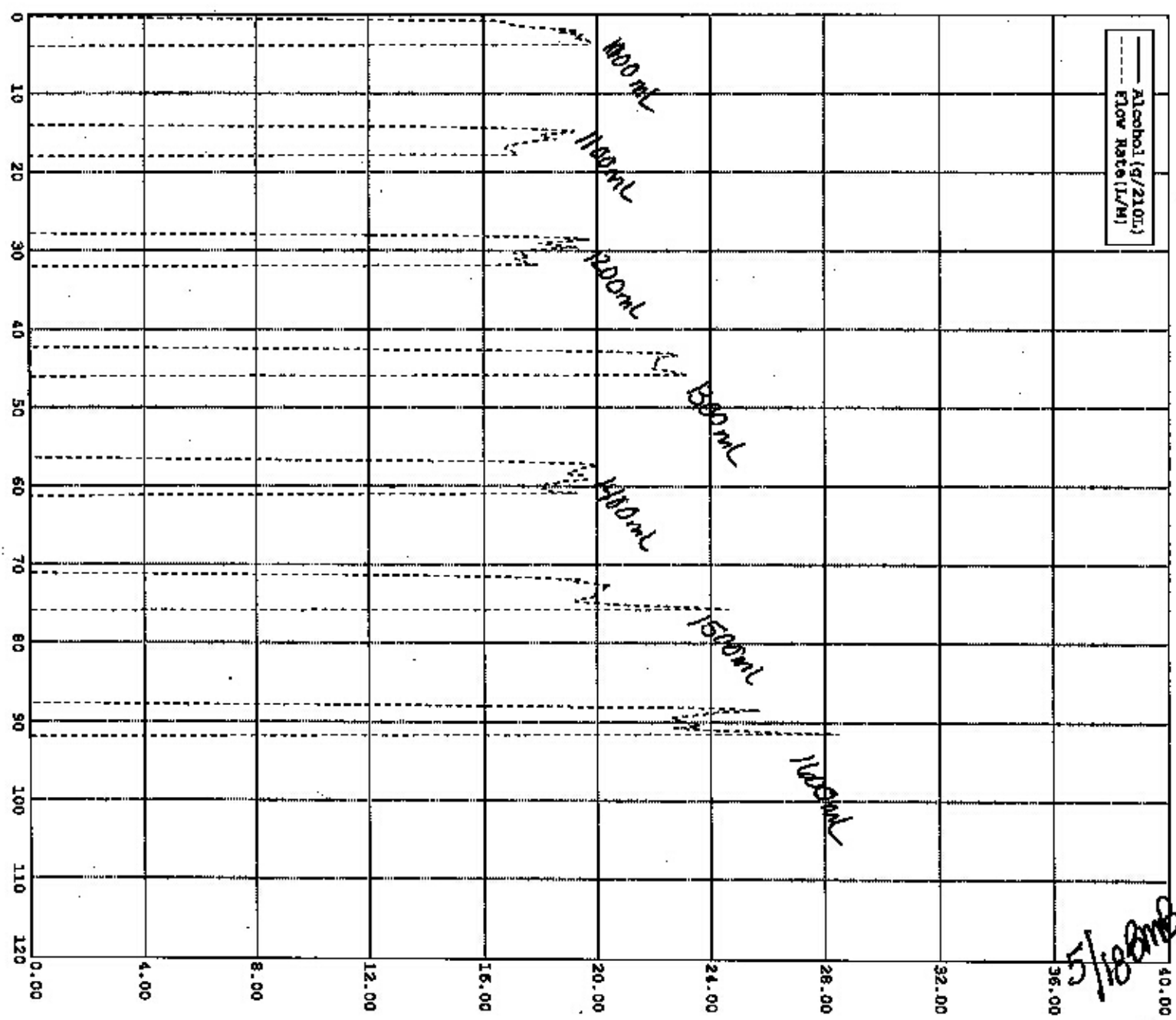
OPERATOR NAME:  
 MINIMUM VOLUME  
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.62: 0.079  
 LOT #: 02511080A3  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:06
BLANK TEST	0.000	14:06
INTERNAL STANDARD	VERIFIED	14:06
EXTERNAL STANDARD	0.078	14:06
BLANK TEST	0.000	14:07
SUBJECT SAMPLE	0.000	14:09
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.079	14:10
BLANK TEST	0.000	14:11

BMB



5/10 BMB

LINERILITY CHECK

Alaska Department of Public Safety  
 DATAMASTER dnr: 100384

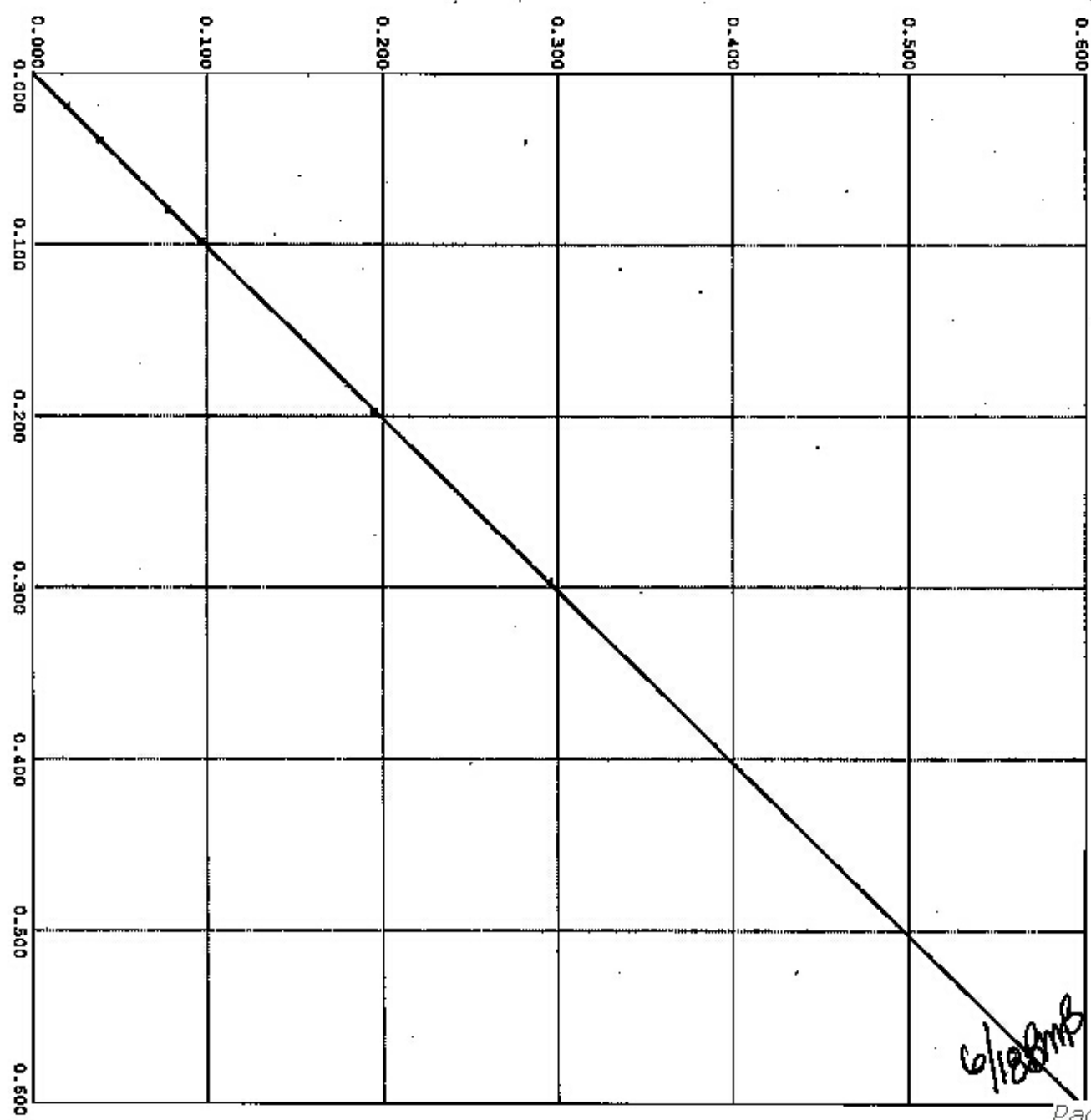
Date: 05/02/2011  
 Time: 14:21:22

SUPERVISOR NAME:  
 BRANDI K BARNETT  
 OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.039	0.0390	0.0000
0.079	0.0784	0.0005
0.098	0.0972	0.0004
0.197	0.1956	0.0018
0.296	0.2958	0.0015

SLOPE = 0.996433  
 R² = 0.999976

*BMB*



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dnt: 100384

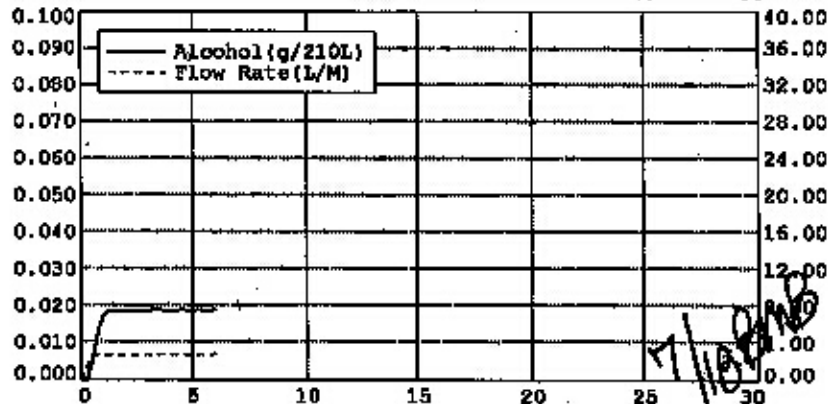
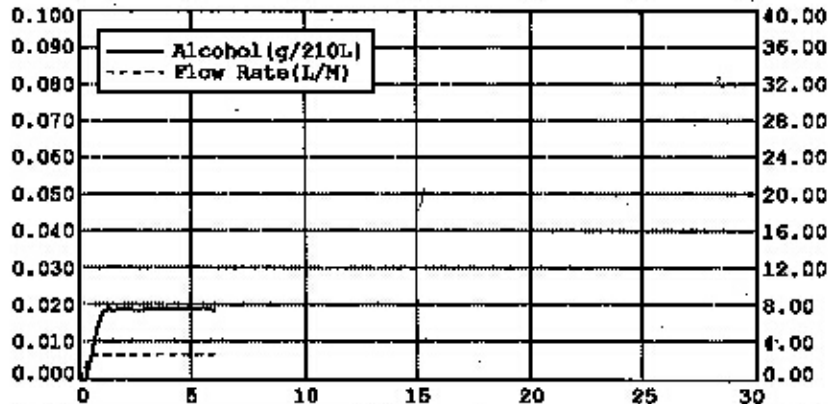
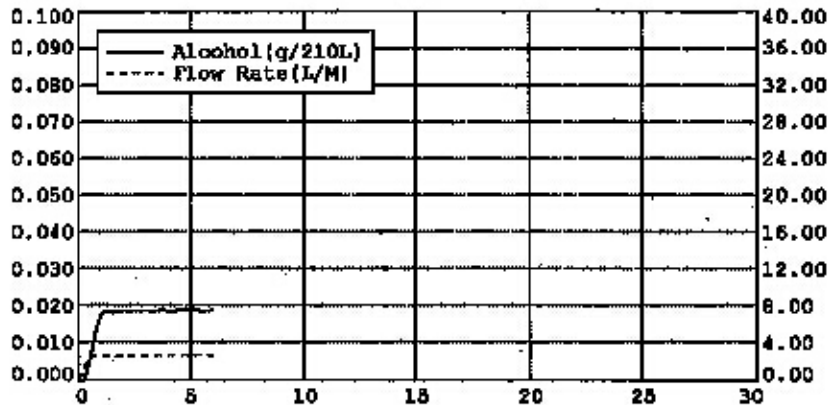
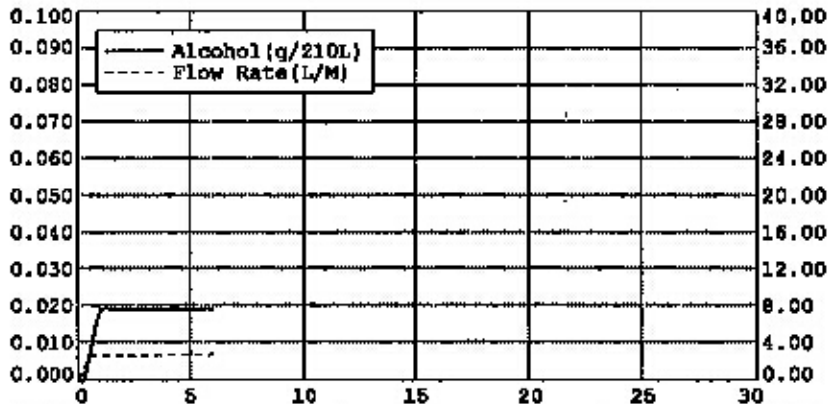
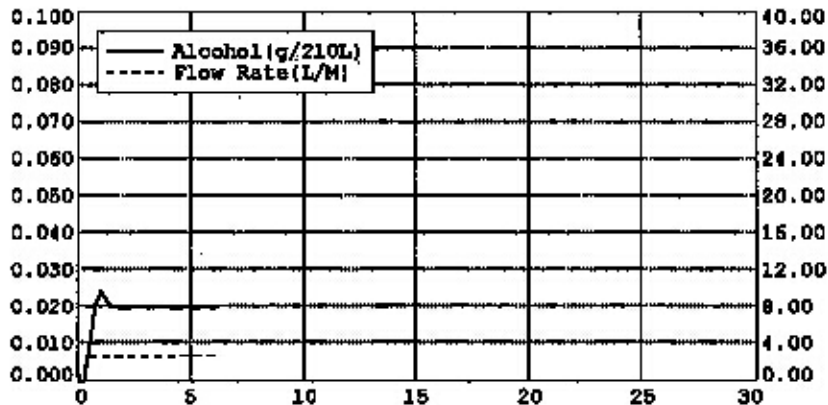
Date: 05/02/2011  
 Time: 14:21:24

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.61: 0.019  
 LOT #: 02811020A1  
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:23
INTERNAL STANDARD	VERIFIED	14:23
EXTERNAL STANDARD	0.020	14:23
BLANK TEST	0.000	14:24
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	14:27
BLANK TEST	0.000	14:27
EXTERNAL STANDARD	0.020	14:28
BLANK TEST	0.000	14:29

Average = 0.0200  
 Std Dev = 0.0000





LINEARITY CHECK: Control Test 2

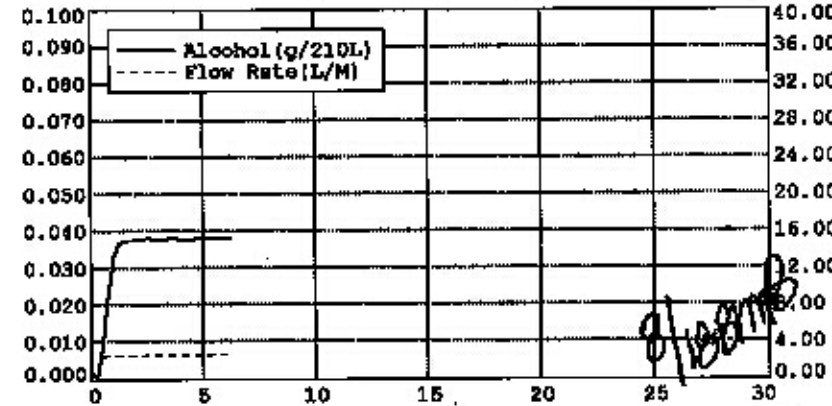
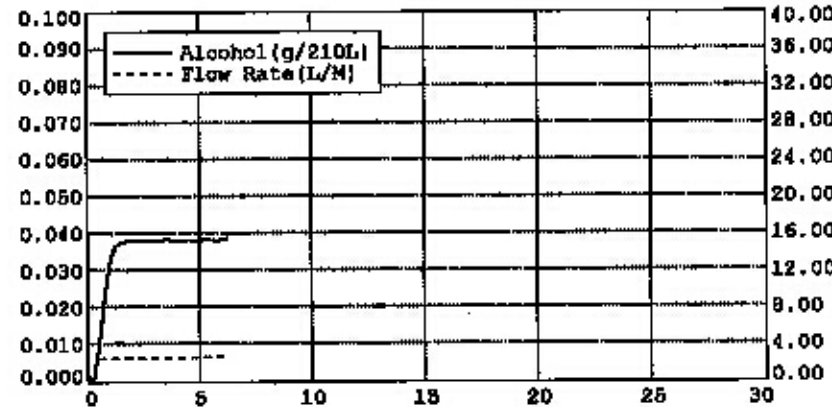
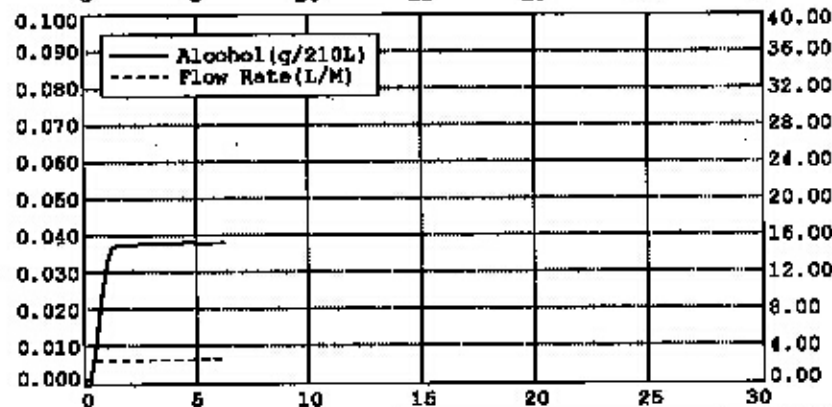
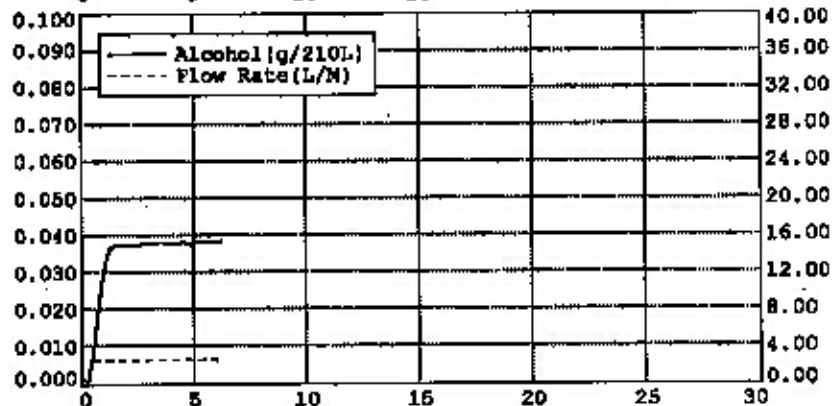
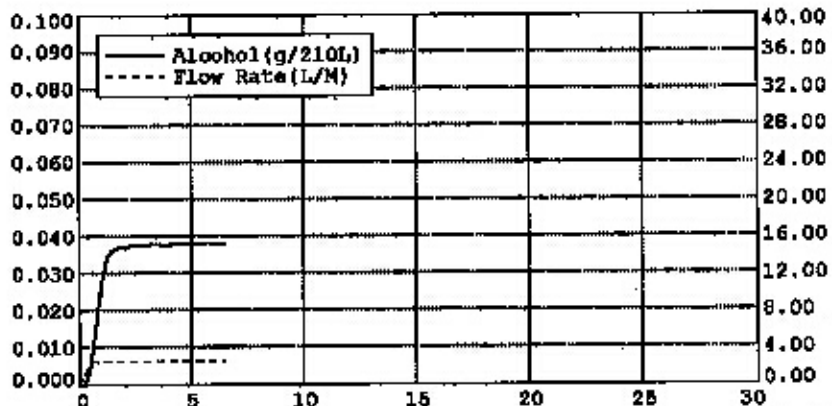
Alaska Department of Public Safety  
 DATA MASTER dnt: 100384

Date: 05/02/2011  
 Time: 14:32:12

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.040  
 TARGET AT 29.61: 0.039  
 LOT #: 02811040A2  
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:33
INTERNAL STANDARD	VERIFIED	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
EXTERNAL STANDARD	0.039	14:36
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.039	14:38
BLANK TEST	0.000	14:38

Average = 0.0390  
 Std Dev = 0.0000





LINEARITY CHECK: Control Test 3

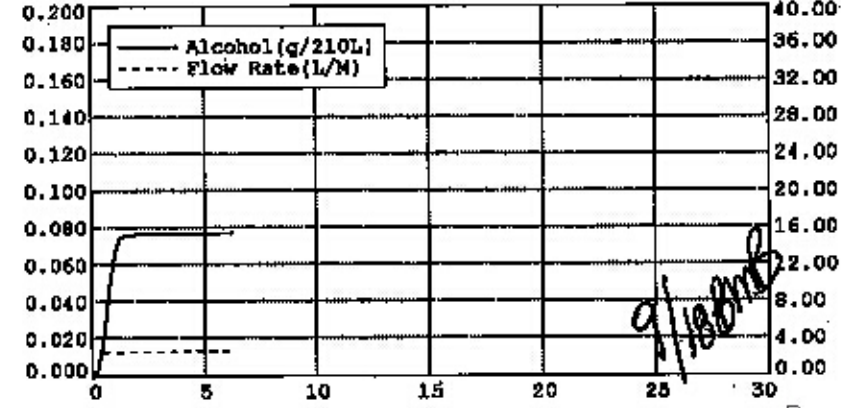
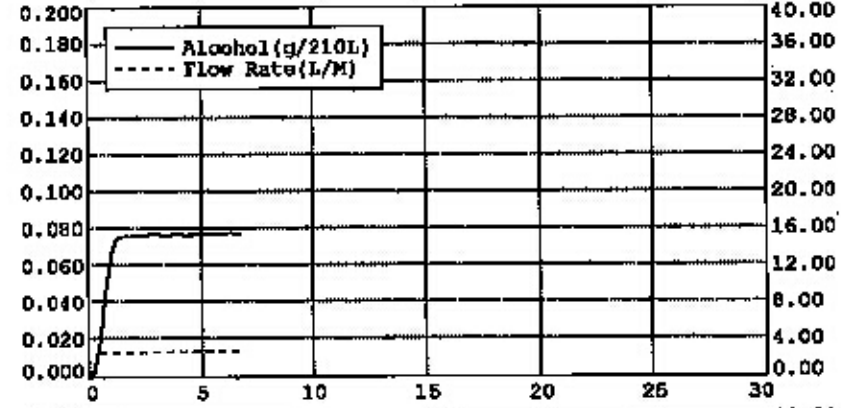
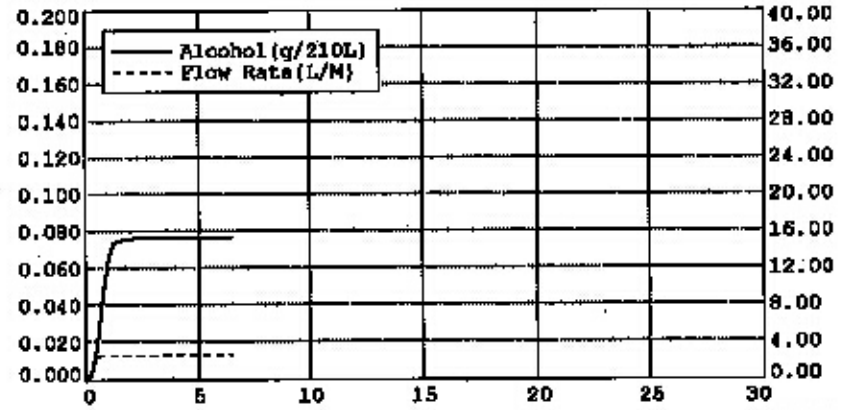
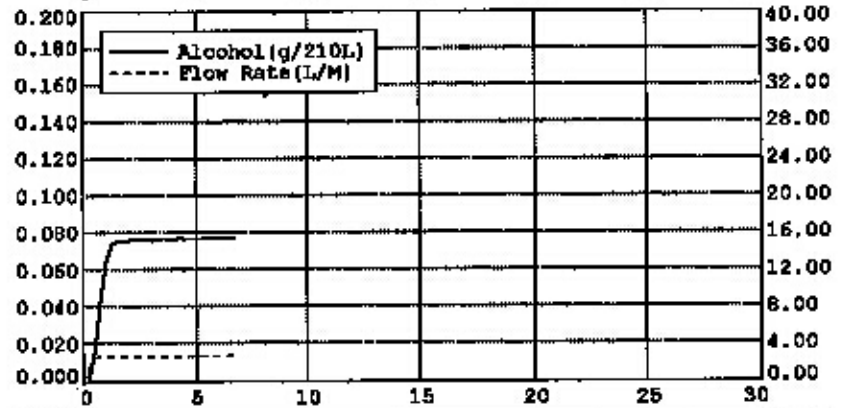
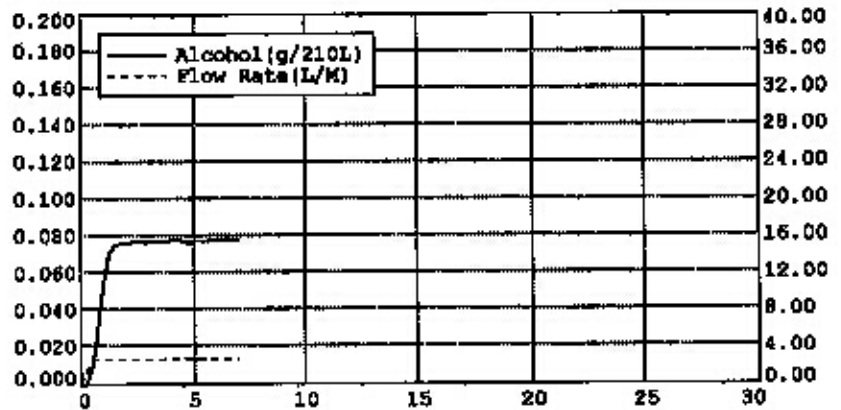
Alaska Department of Public Safety  
 DATAMASTER dmt: 100384

Date: 05/02/2011  
 Time: 14:41:36

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.61: 0.079  
 LOT #: 02511090A3  
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:42
INTERNAL STANDARD	VERIFIED	14:42
EXTERNAL STANDARD	0.079	14:42
BLANK TEST	0.000	14:43
EXTERNAL STANDARD	0.079	14:44
BLANK TEST	0.000	14:45
EXTERNAL STANDARD	0.078	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.079	14:46
BLANK TEST	0.000	14:47
EXTERNAL STANDARD	0.078	14:47
BLANK TEST	0.000	14:48

Average = 0.0784  
 Std Dev = 0.0005



## LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety  
DATAMASTER dnt: 100384

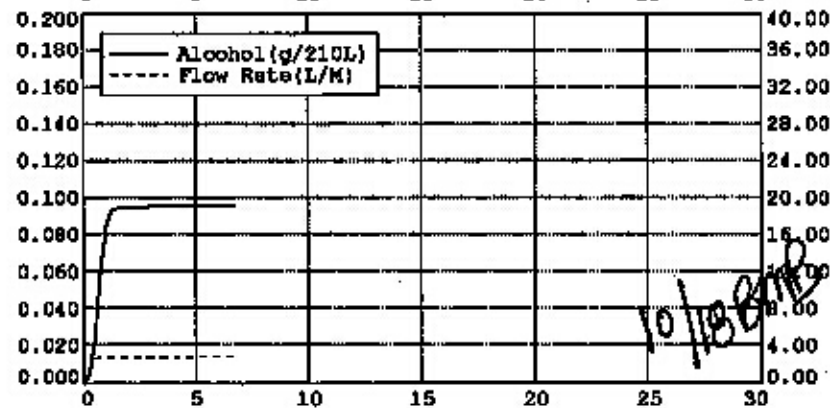
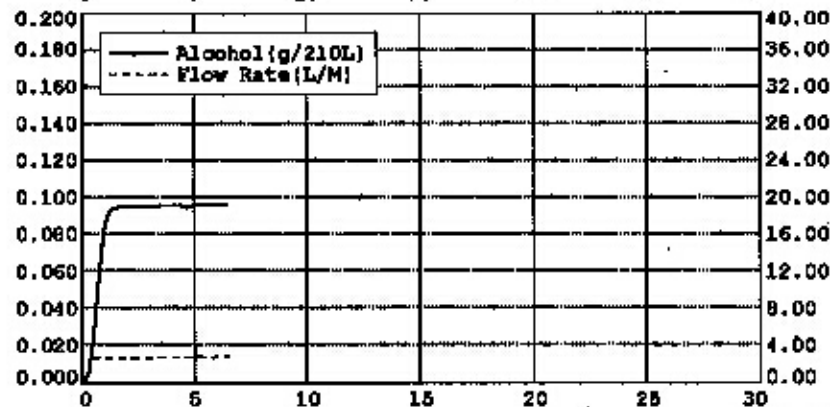
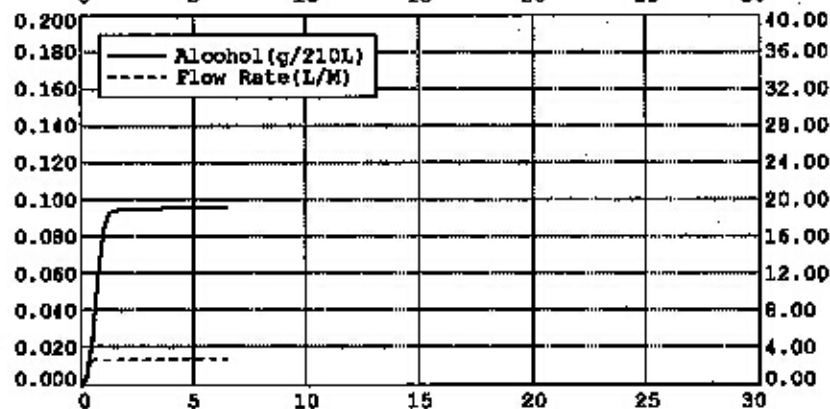
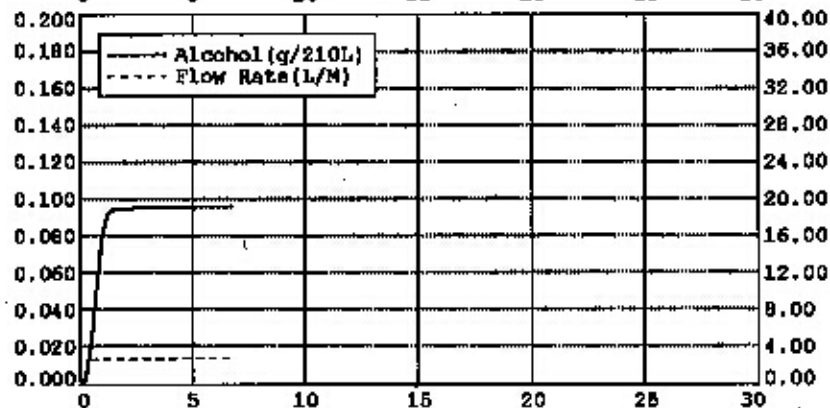
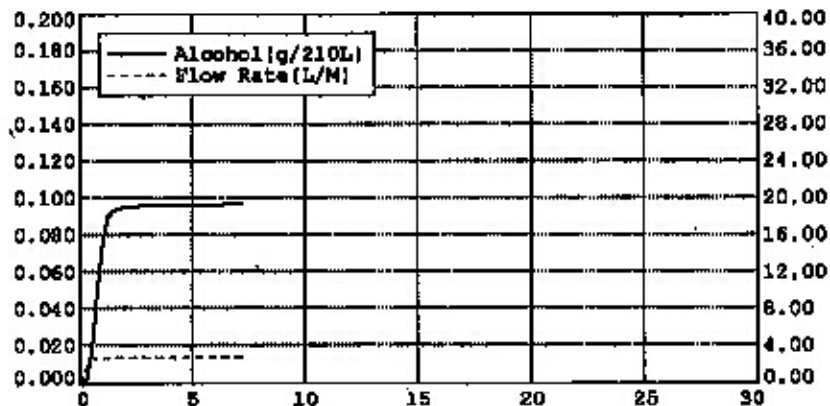
Date: 05/02/2011  
Time: 14:51:00

## EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
TARGET AT 29.60: 0.098  
LOT #: 05611100A2  
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:52
INTERNAL STANDARD	VERIFIED	14:52
EXTERNAL STANDARD	0.098	14:52
BLANK TEST	0.000	14:53
EXTERNAL STANDARD	0.097	14:53
BLANK TEST	0.000	14:54
EXTERNAL STANDARD	0.097	14:54
BLANK TEST	0.000	14:55
EXTERNAL STANDARD	0.097	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.097	14:57
BLANK TEST	0.000	14:58

Average = 0.0972  
Std Dev = 0.0004



## LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety  
DATAMASTER dnt: 100384

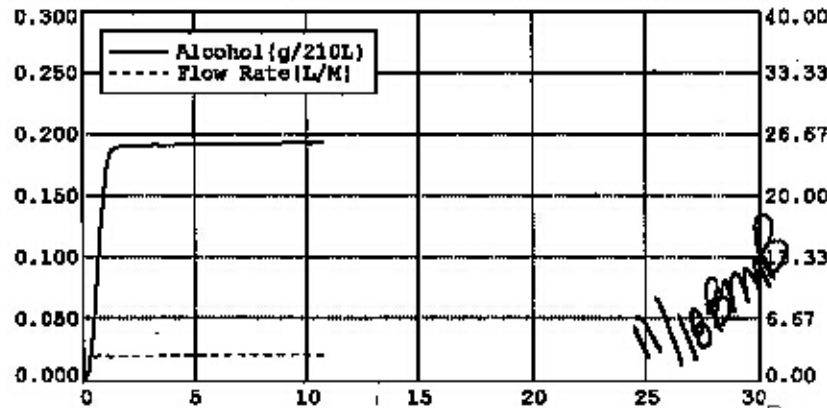
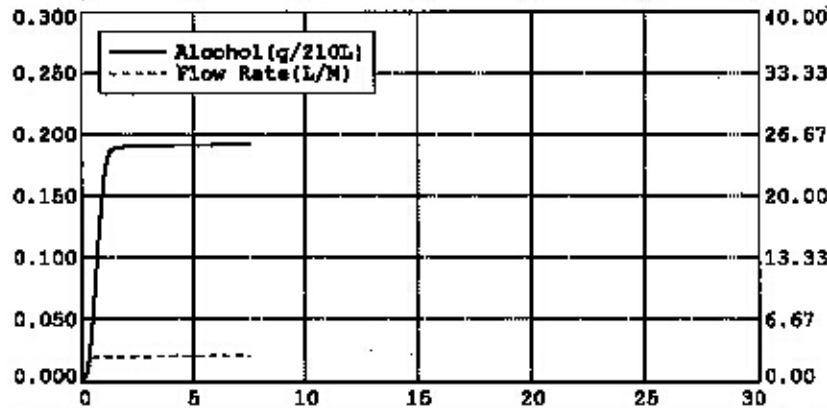
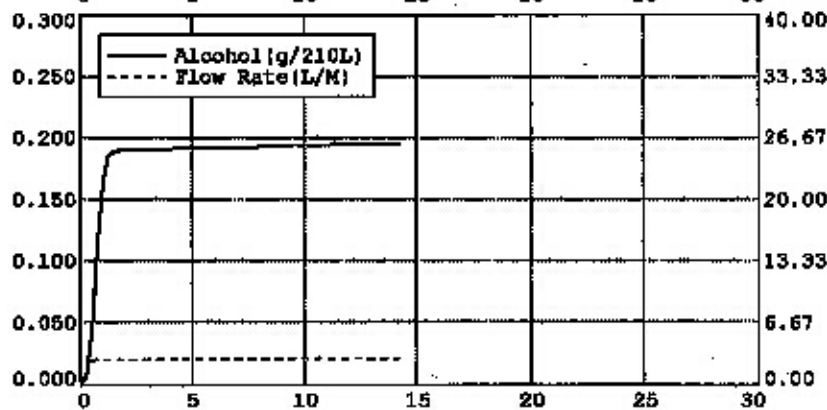
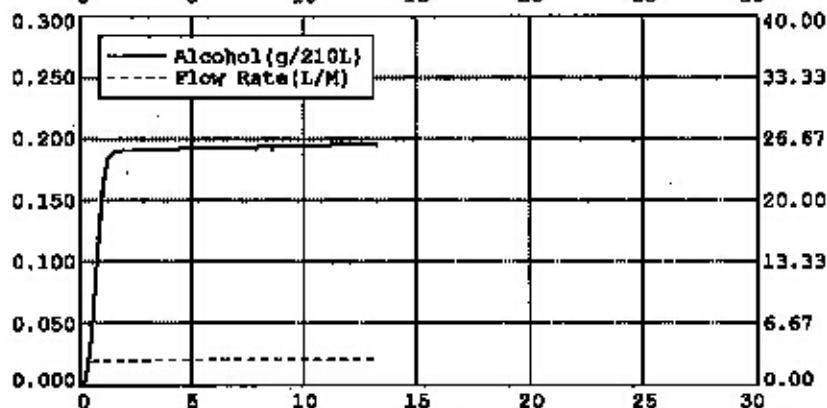
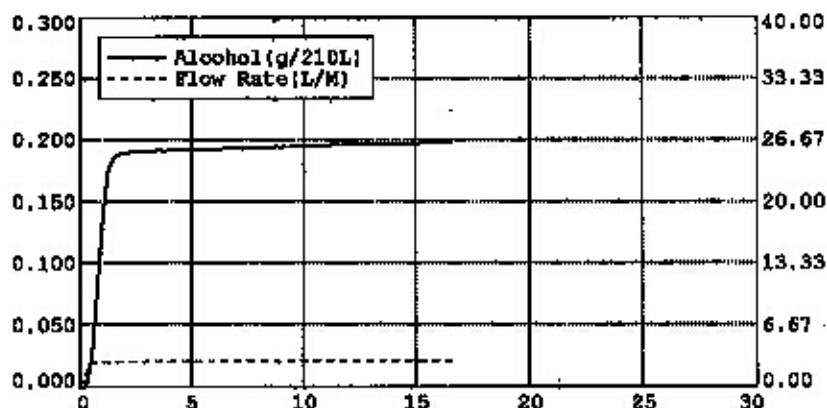
Date: 05/02/2011  
Time: 15:02:32

## EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200  
TARGET AT 29.60: 0.197  
LOT #: 07411200A2  
EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:04
INTERNAL STANDARD	VERIFIED	15:04
EXTERNAL STANDARD	0.198	15:04
BLANK TEST	0.000	15:06
EXTERNAL STANDARD	0.196	15:06
BLANK TEST	0.000	15:07
EXTERNAL STANDARD	0.196	15:07
BLANK TEST	0.000	15:08
EXTERNAL STANDARD	0.193	15:09
BLANK TEST	0.000	15:10
EXTERNAL STANDARD	0.195	15:10
BLANK TEST	0.000	15:11

Average = 0.1956  
Std Dev = 0.0018



## LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety  
 DATAMASTER dmt: 100384

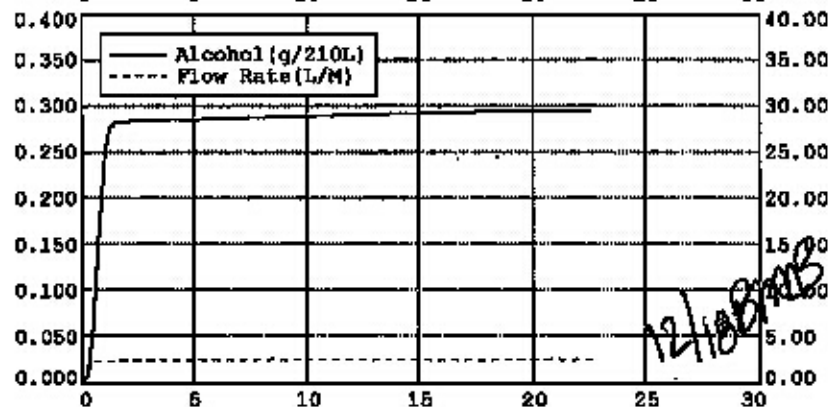
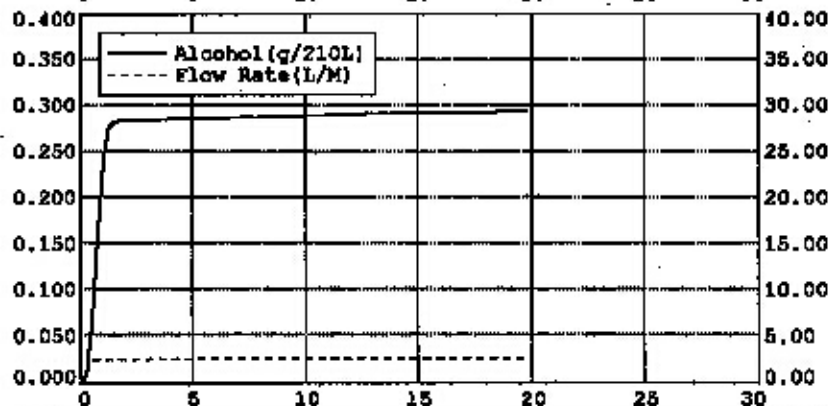
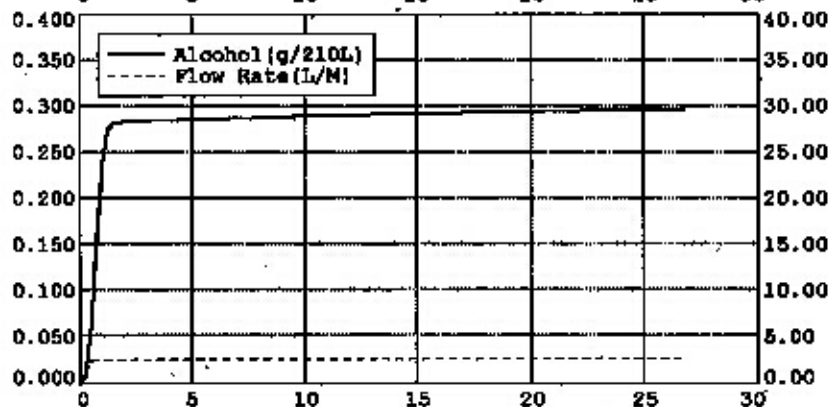
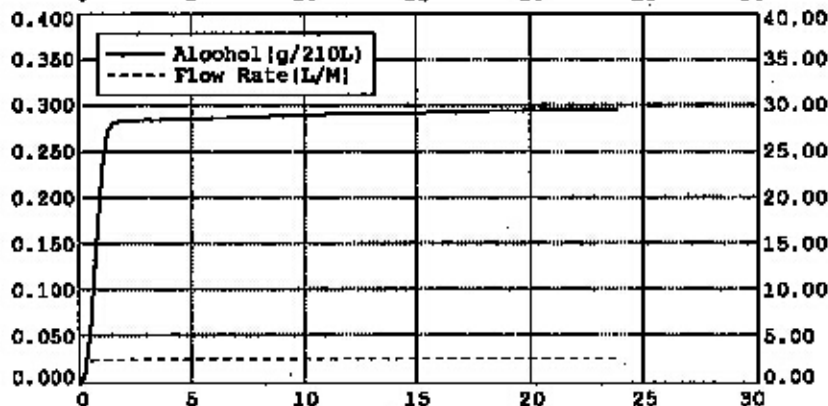
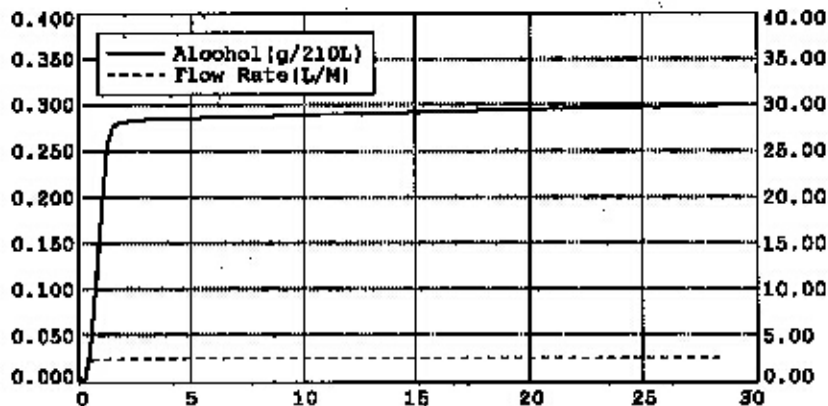
Date: 05/02/2011  
 Time: 15:19:33

## EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300  
 TARGET AT 29.59: 0.296  
 LOT #: 07411300A1  
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:20
INTERNAL STANDARD	VERIFIED	15:20
EXTERNAL STANDARD	0.298	15:21
BLANK TEST	0.000	15:22
EXTERNAL STANDARD	0.296	15:23
BLANK TEST	0.000	15:24
EXTERNAL STANDARD	0.296	15:25
BLANK TEST	0.000	15:26
EXTERNAL STANDARD	0.294	15:26
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.295	15:28
BLANK TEST	0.000	15:29

Average = 0.2958  
 Std Dev = 0.0015





SUBJECT TEST

Alaska Department of Public Safety  
DIAGNOSTIC LAB: 100384

Date: 05/03/2011  
Time: 10:23:18

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

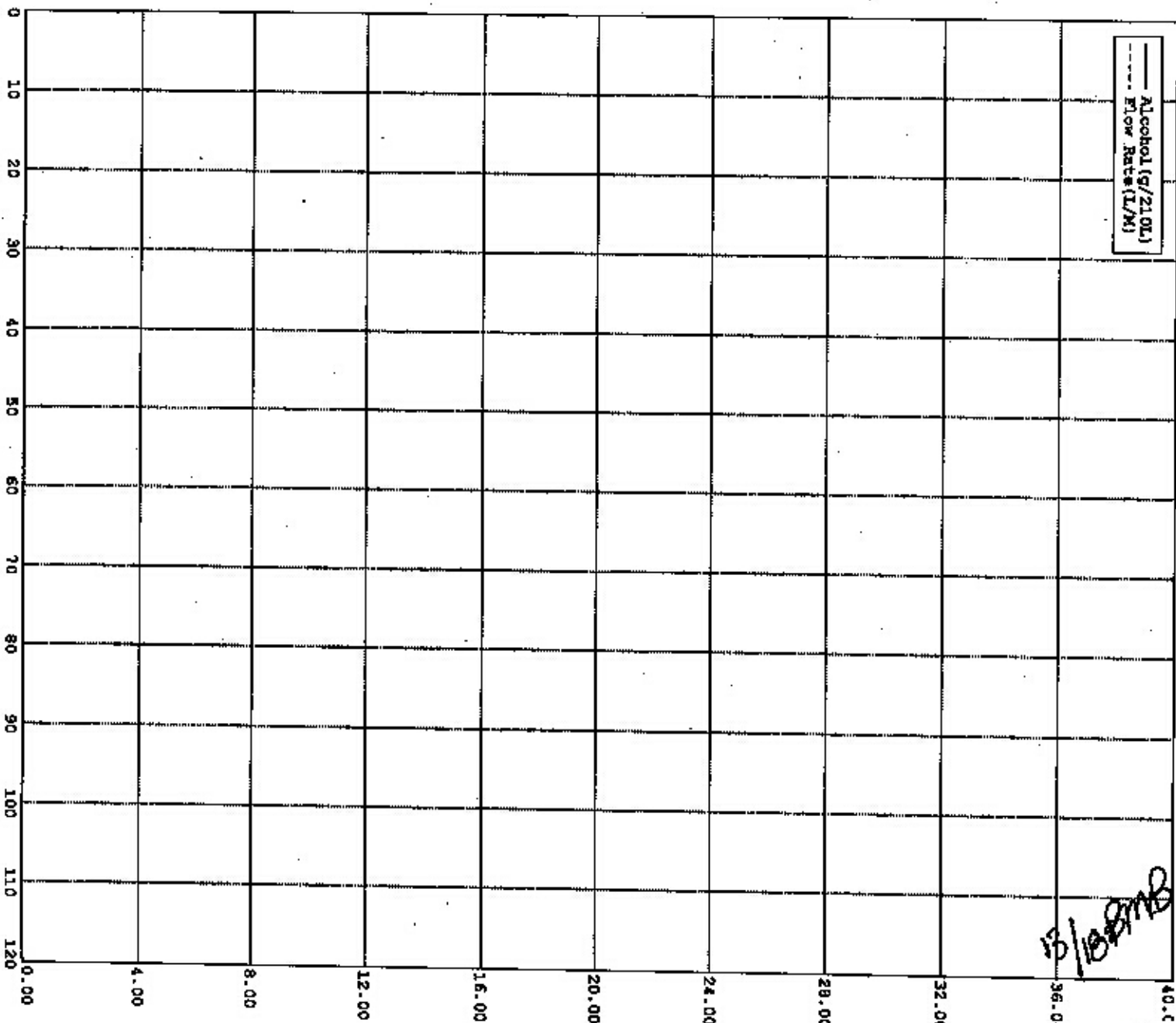
OPERATOR NAME:  
INCOMPLETE XXXX  
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.73: 0.079  
LOT #: 02511090A3  
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:24
BLANK TEST	0.000	10:24
INTERNAL STANDARD	VERIFIED	10:24
EXTERNAL STANDARD	0.079	10:25
BLANK TEST	0.000	10:26
SUBJECT SAMPLE	INCOMPLETE	10:28

BOMB



SUBJECT TEST

Alaska Department of Public Safety  
DATABASE# 100384

Date: 05/03/2011  
Time: 10:31:00

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

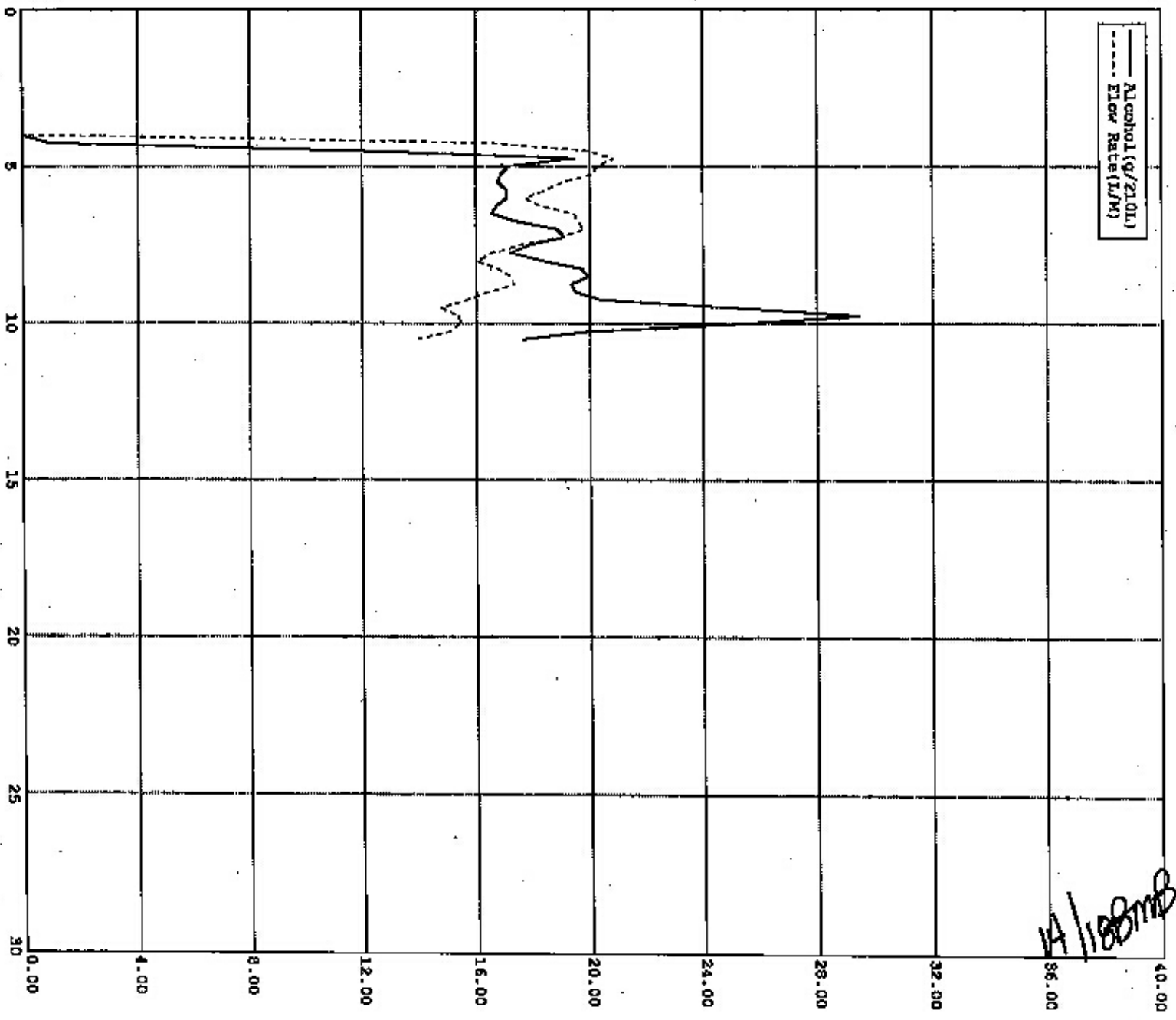
OPERATOR NAME:  
INVALID XXXX  
OPERATOR'S #: XXXX

DEPT/AGENCY:  
ENCEN MOTOR ALCOHOL  
CASE/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.73: 0.079  
LOT #: 02511080A3  
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:32
BLANK TEST	0.000	10:32
INTERNAL STANDARD	VERIFIED	10:32
EXTERNAL STANDARD	0.078	10:32
BLANK TEST	0.000	10:33
SUBJECT SAMPLE	Invalid	10:34

*BRMB*



*11/18/2011*



SUBJECT TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100384

Date: 05/03/2011  
 Time: 10:42:13

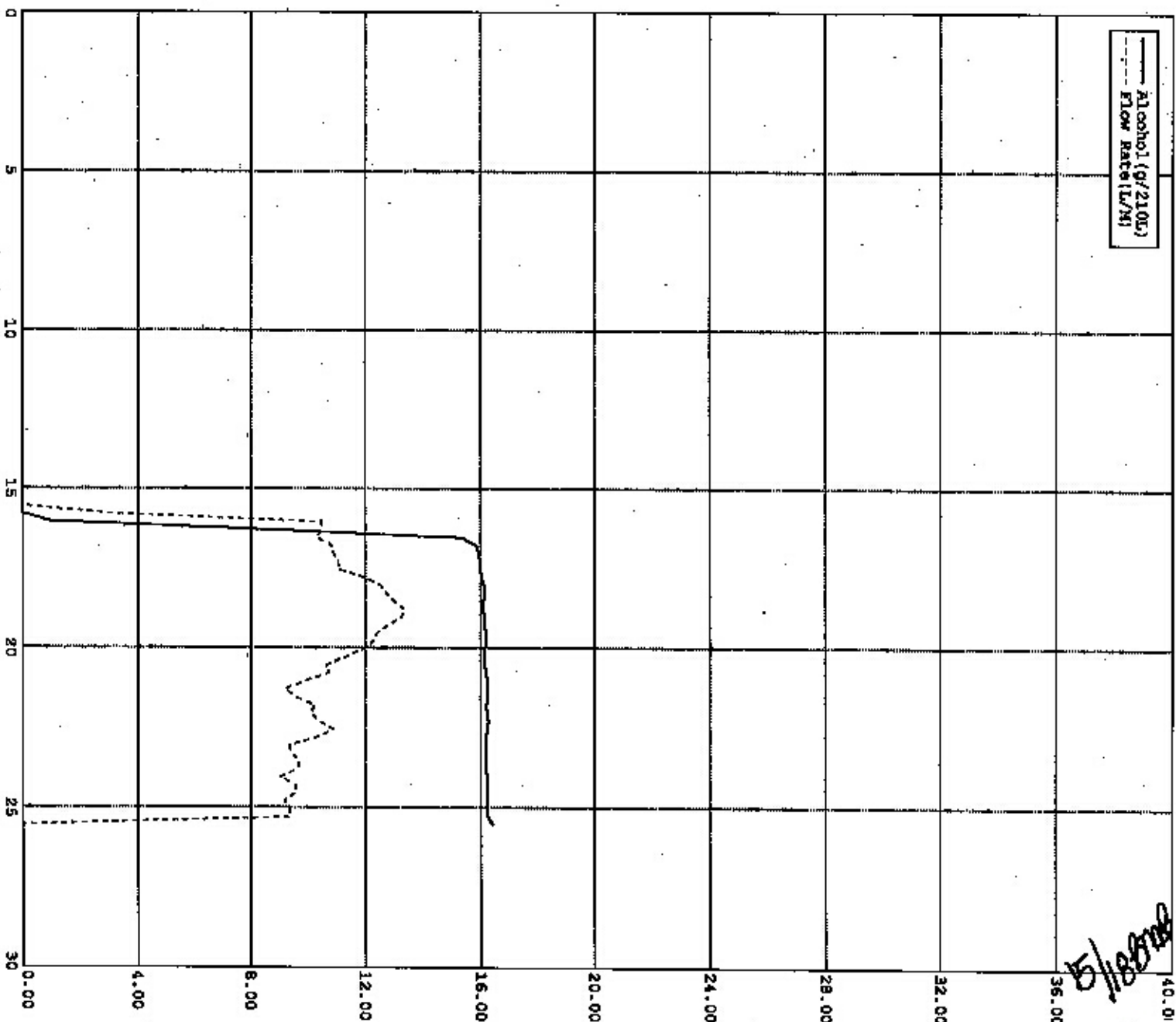
SUBJECT NAME:  
 TEST TEST  
 LICENSE #: INTERPERB

OPERATOR NAME:  
 ETHANIC AND ACEONE  
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.73: 0.079  
 LOT #: 02511080A3  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:43
BLANK TEST	0.000	10:43
INTERNAL STANDARD	VERIFIED	10:43
EXTERNAL STANDARD	0.079	10:43
BLANK TEST	0.000	10:44
SUBJECT SAMPLE	INTERPERBCE	10:45



5/1/2011

SUBJECT TEST

Alaska Department of Public Safety  
 DATAMASTER dmc: 100384

Date: 05/03/2011  
 Time: 10:47:26

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: INTERFERE

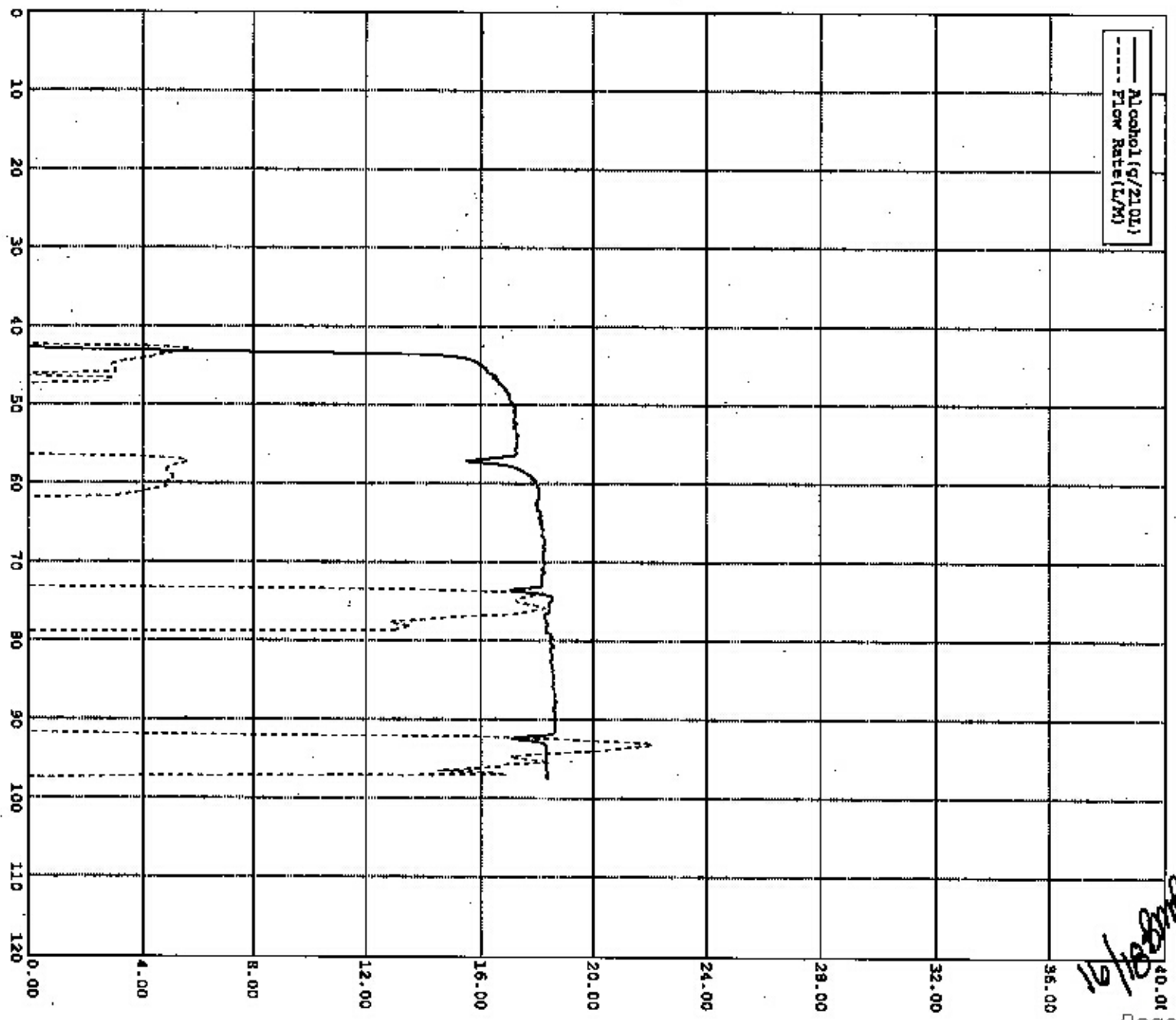
OPERATOR NAME:  
 EBERARD AND ISOPROBANOL  
 OPERATOR'S #: KXXX

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

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AS: 29.73; 0.079  
 LOT #: 02511080A3  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:48
BLANK TEST	0.000	10:48
INTERNAL STANDARD	0.079	10:48
EXTERNAL STANDARD	0.000	10:49
BLANK TEST		10:51
SUBJECT SAMPLE	INTERFERE	10:51

*Handwritten signature: EBRARD*



*Handwritten signature and date: EBRARD 5/3/11*

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100384

Date: 05/03/2011  
Time: 10:54:15

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

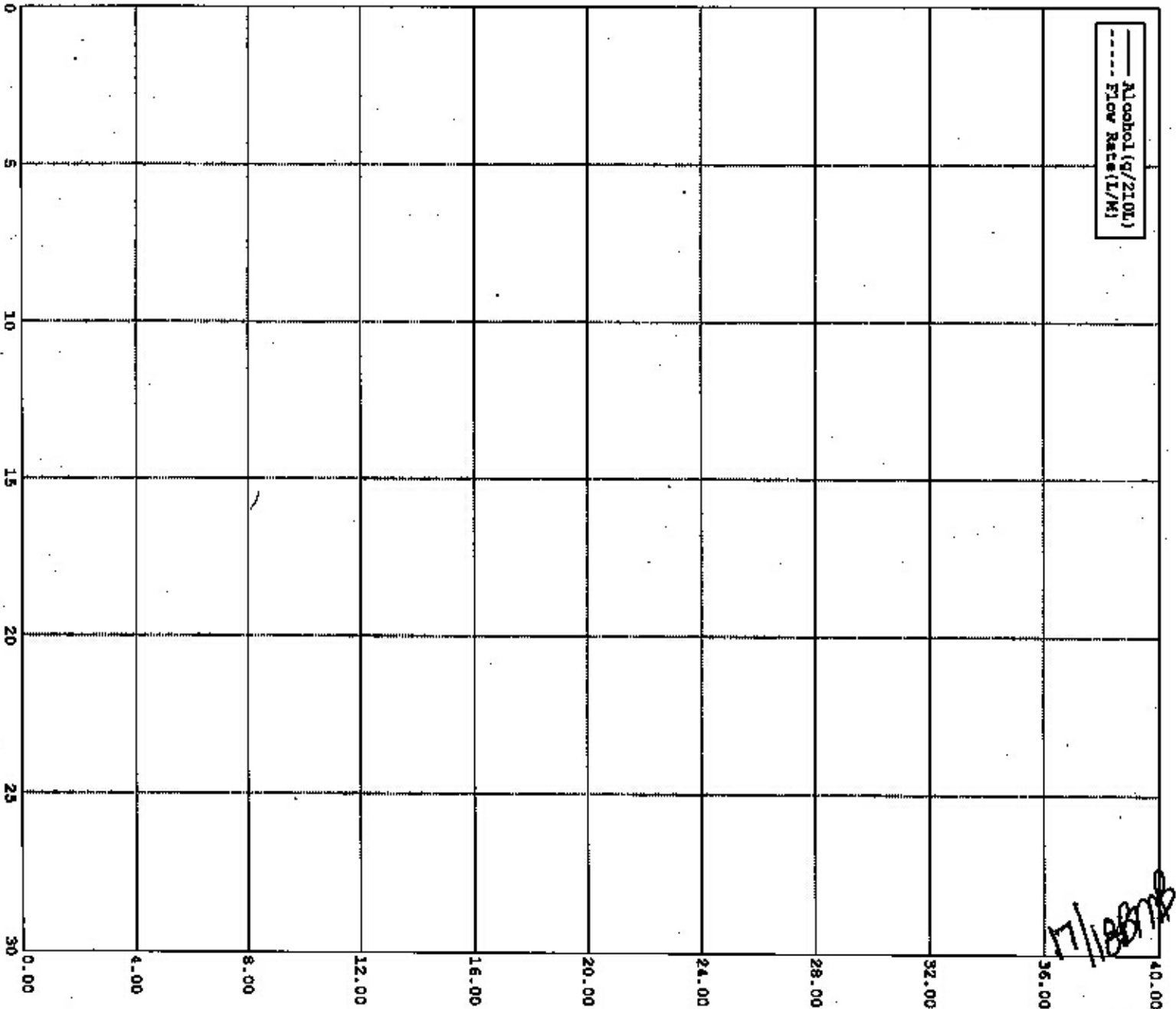
OPERATOR NAME:  
XXXX X XXXX  
OPERATOR'S #: XXXX

DEPT/AGENCY:  
RADIO FREQUENCY INTERFERENCE  
CRS#/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.73: 0.079  
LOT #: 02511080A3  
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK  
BLANK TEST PASSED 10:55  
INTERNAL STANDARD 0.000 10:55  
EXTERNAL STANDARD VERIFIED 10:55  
INTERNAL STANDARD 0.079 10:55  
BLANK TEST 0.000 10:56

RFL Detected



SUBJECT TEST

Alaska Department of Public Safety  
 DATAMASTER dat: 100384

Date: 05/03/2011  
 Time: 11:12:22

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: XXXX

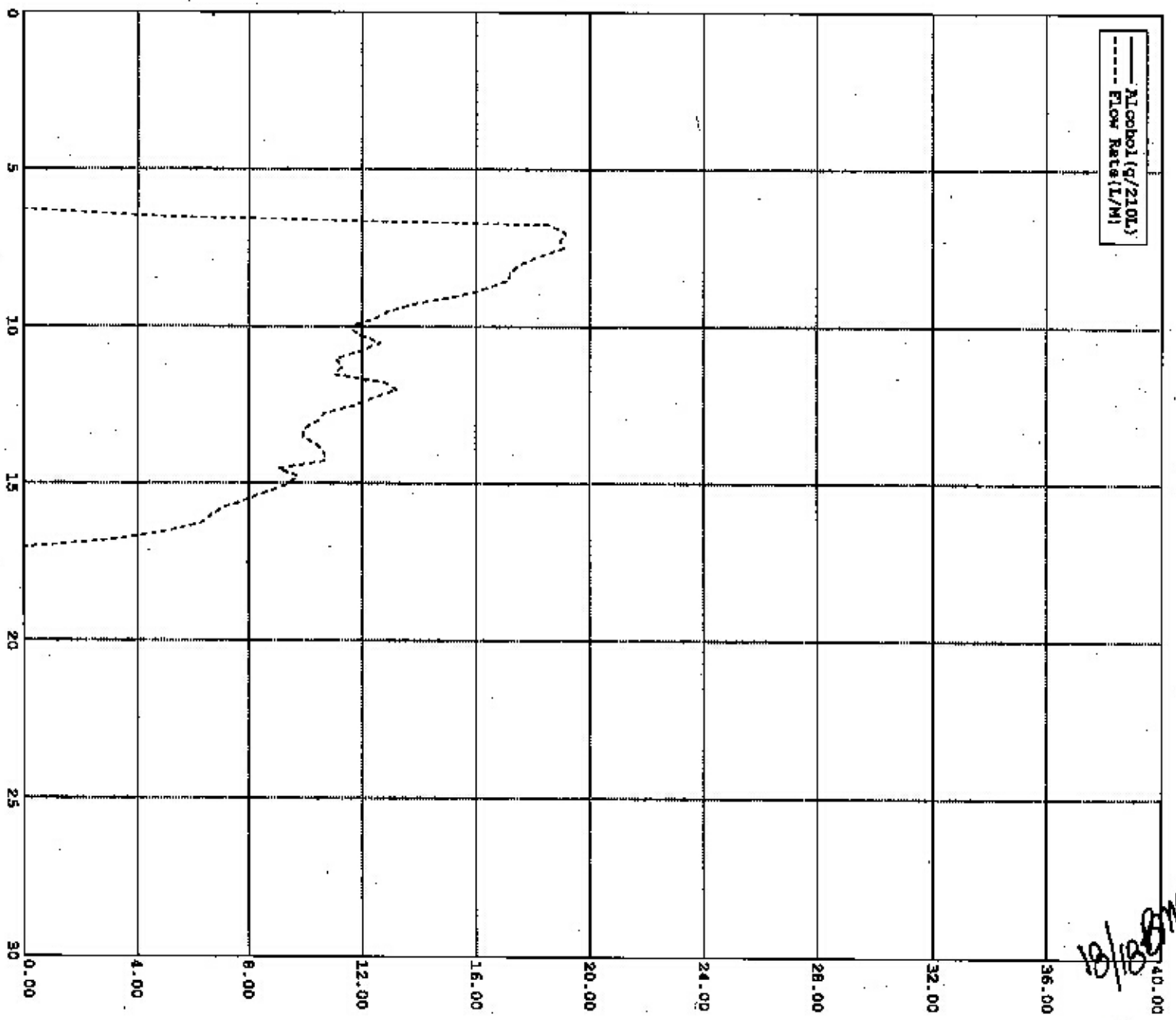
OPERATOR NAME:  
 BRANDI M BARRETT  
 OPERATOR'S #: 7038

DEPT/AGENCY:  
 NON-DRINKING SUBJECT TEST  
 CASE/REPORT: XXXX  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.73: 0.079  
 LOT #: 02311080A3  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:13
BLANK TEST	0.000	11:13
INTERNAL STANDARD	0.078	11:13
EXTERNAL STANDARD	0.000	11:14
BLANK TEST	0.000	11:15
SUBJECT SAMPLES	0.000	11:16
BLANK TEST	0.079	11:16
EXTERNAL STANDARD	0.000	11:17
BLANK TEST	0.000	11:17

*BMB*



*18/13 BMB*

Final page for report

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7/3/2014