	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 # 100389Analyst Brandl BarnettDate 4/11/11

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 1600 mL
5. Dry Gas Linearity Test (attached)
 - a. Levels Used
 - i. 0.020g/210L Mnf ILMD Lot 02811020A1 Exp 02/01/2013
 - ii. 0.040g/210L Mnf ILMD Lot 02811040A2 Exp 02/01/2013
 - iii. 0.080g/210L Mnf ILMD Lot 02511080A3 Exp 02/01/2013
 - iv. 0.100g/210L Mnf ILMD Lot 0561100A7 Exp 03/01/2013
 - v. 0.200g/210L Mnf ILMD Lot 07411200A2 Exp 03/01/2013
 - vi. 0.300g/210L Mnf ILMD Lot 07611300A1 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 DR6267
 - ii. Isopropanol - Mnf Guth Lot 09340 Level 0.080 Exp 12/2/2011
 1. Simulator Calibration Date 08/04/2010 SN SD1202
 - 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 dnt: 100389

Date: 04/14/2011
Time: 11:18:40

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
Breath Tube = 48.1°C PASSED

PUMP INFO

Flow Rate = 4.304 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

2/18/2011

Technician Screen

DATAMASTER dnt: 100389

Date: 04/14/2011
Time: 11:56 AM

Temperatures (°C)

Sample Cell: 49.0°C
Breath Tube: 48.0°C

Current Barometer 29.8 in
Volume (Ltr) 1.49

Settings

Lamp: 1.74 V
Bias: 80 V
Cooler: 1.62 V
Chopper: 531 Hz

Voltages (V)

Flow: 1.86 V
Detector: 0.418 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100389

Date: 04/12/2011
Time: 14:51:47

SUPERVISOR NAME:
COLLEEN S OBRZYAN
CERTIFICATE #: 6237

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

Ca	=	0.1000			
CAL	=	0.989059	0.800	<=	CAL < 1.200
b1	=	0.0001	0.0000	<=	b1 < 0.0040
b2	=	0.0045	0.0010	<=	b2 < 0.0100
b3	=	0.0002	0.0000	<=	b3 < 0.0040
Xg	=	0.1009	0.0500	<=	Xg < 0.2000
a21	=	1.173159	1.050	<=	a21 < 1.300
a31	=	0.422527	0.300	<=	a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dmt: 1H0389

Date: 04/14/2011
 Time: 11:58:12

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

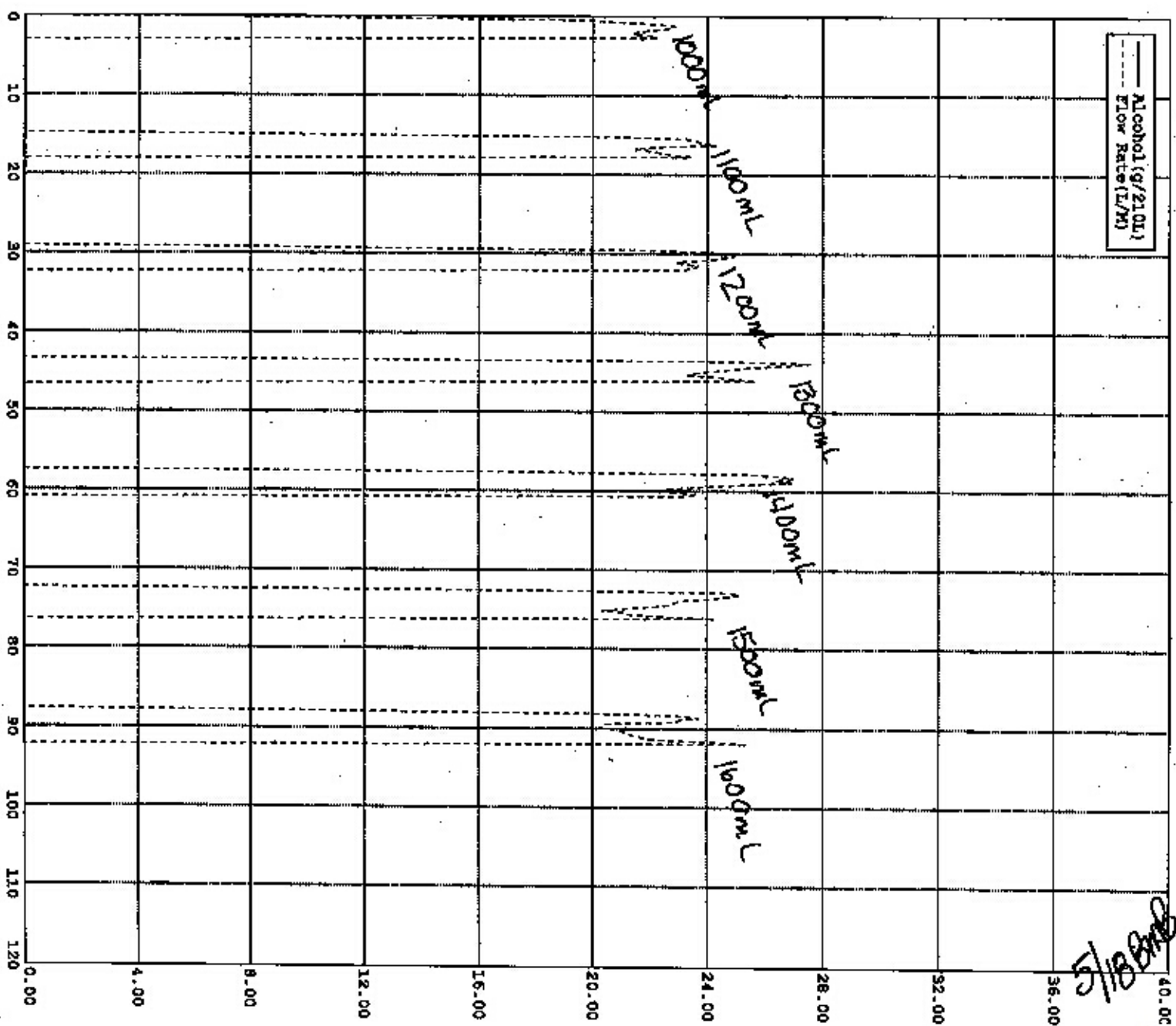
OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.84: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:59
BLANK TEST	0.000	11:59
INTERNAL STANDARD	VERIFIED	11:59
EXTERNAL STANDARD	0.079	11:59
BLANK TEST	0.000	12:00
SUBJECT SAMPLE	0.000	12:02
BLANK TEST	0.000	12:03
EXTERNAL STANDARD	0.080	12:03
BLANK TEST	0.000	12:04

BMFB



LINEARITY CHECK

Alaska Department of Public Safety
INSTRUMENT num: 100389

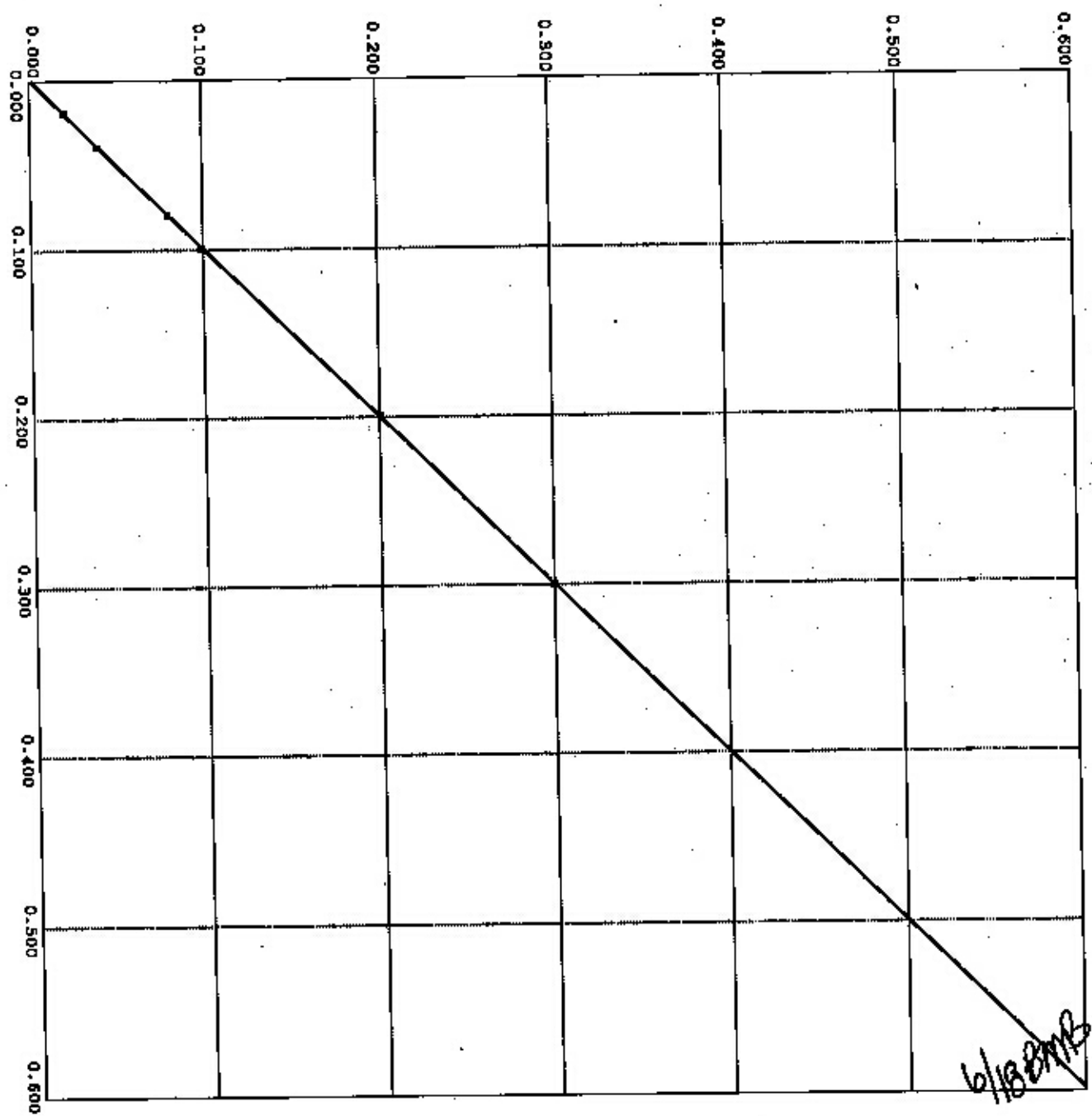
Date: 04/14/2011
Time: 12:09:52

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0210	0.0000
0.039	0.0398	0.0004
0.079	0.0802	0.0004
0.099	0.1000	0.0007
0.199	0.2014	0.0005
0.299	0.3004	0.0005

SLOPE = 1.001447
R² = 0.999985

BSMP



6/13/11 BSMP

LINEARITY CHECK: Control Test 1

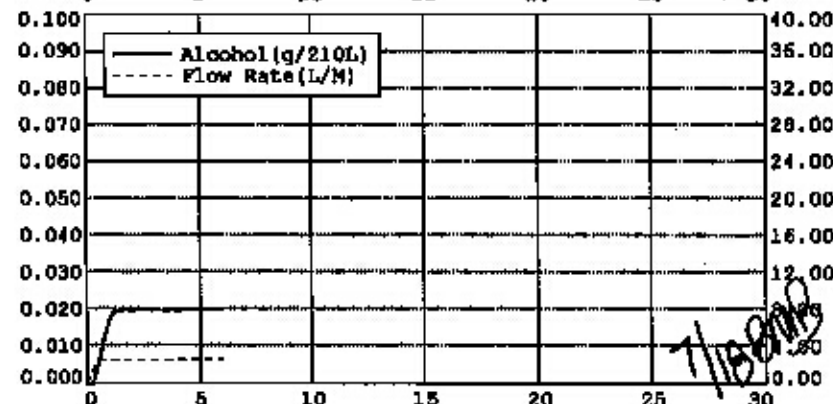
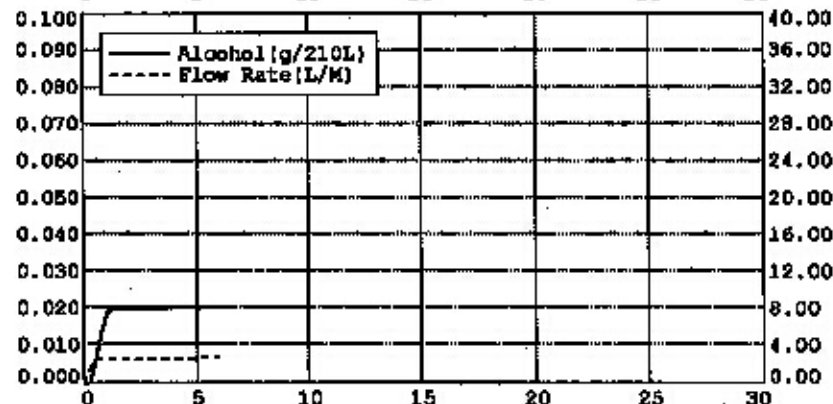
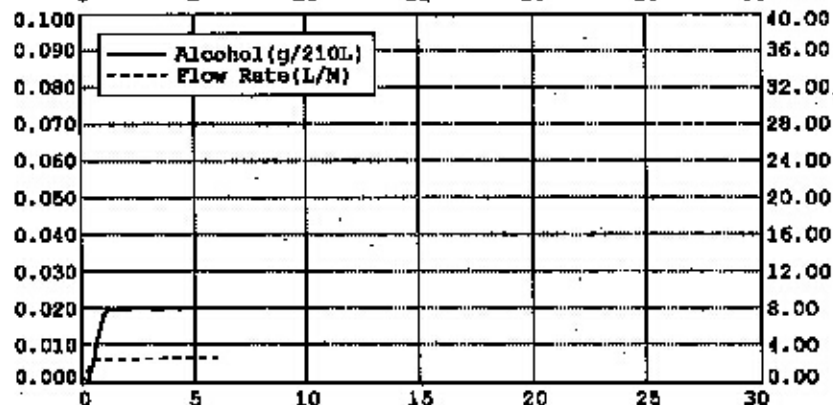
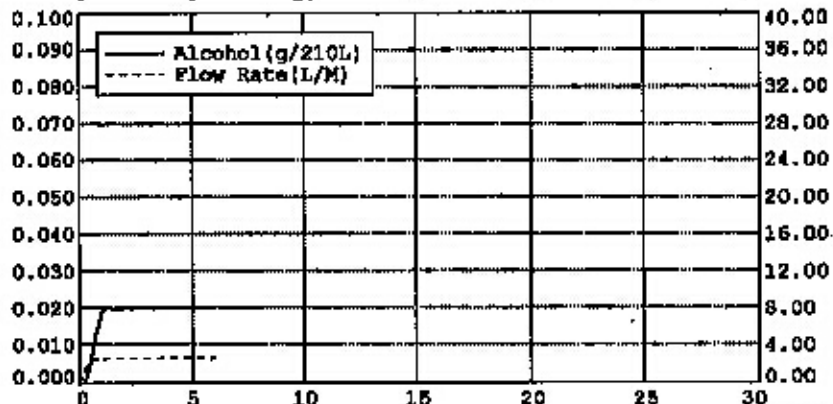
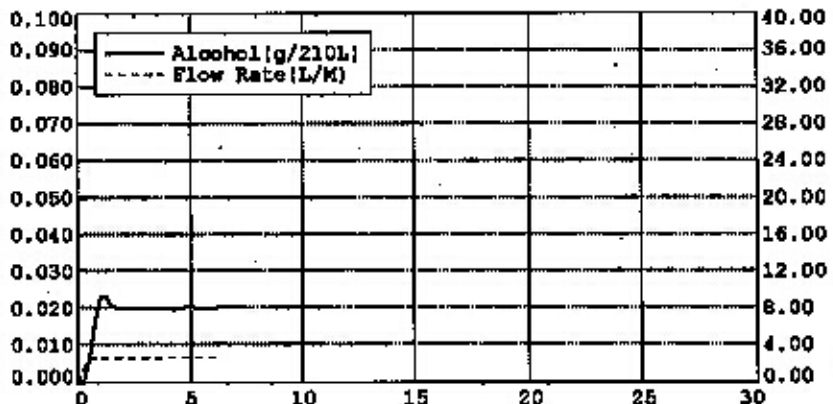
Alaska Department of Public Safety
 DATAMASTER dmt: 100369

Date: 04/14/2011
 Time: 12:09:54

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.83: 0.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	12:15
INTERNAL STANDARD	VERIFIED	12:15
EXTERNAL STANDARD	0.021	12:15
BLANK TEST	0.000	12:16
EXTERNAL STANDARD	0.021	12:17
BLANK TEST	0.000	12:17
EXTERNAL STANDARD	0.021	12:18
BLANK TEST	0.000	12:19
EXTERNAL STANDARD	0.021	12:19
BLANK TEST	0.000	12:20
EXTERNAL STANDARD	0.021	12:20
BLANK TEST	0.000	12:21

Average = 0.0210
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dat: 100389

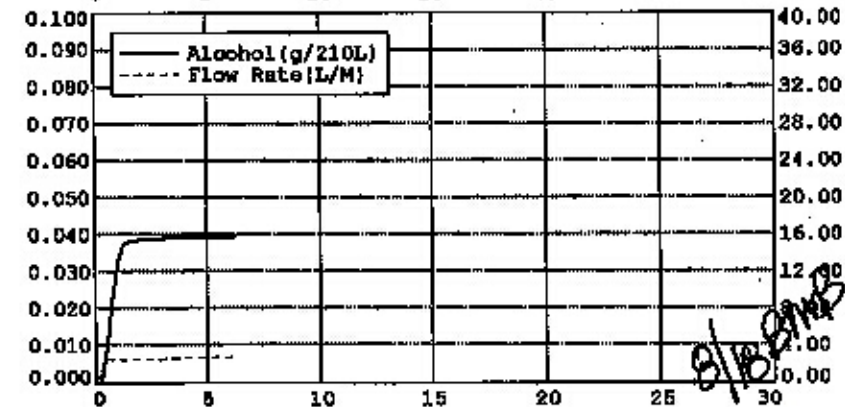
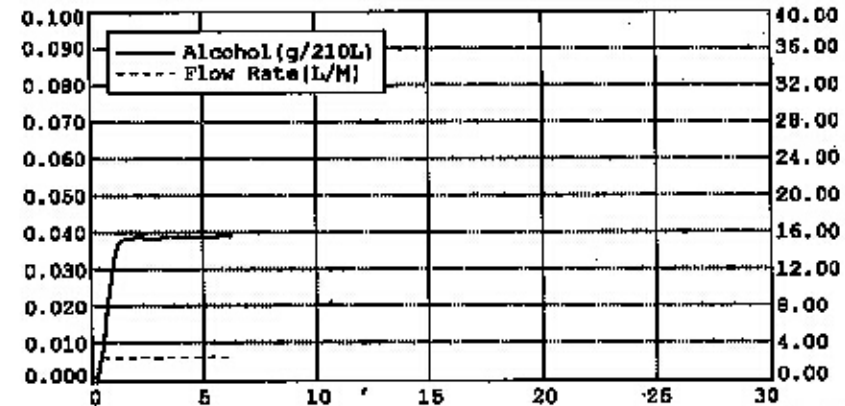
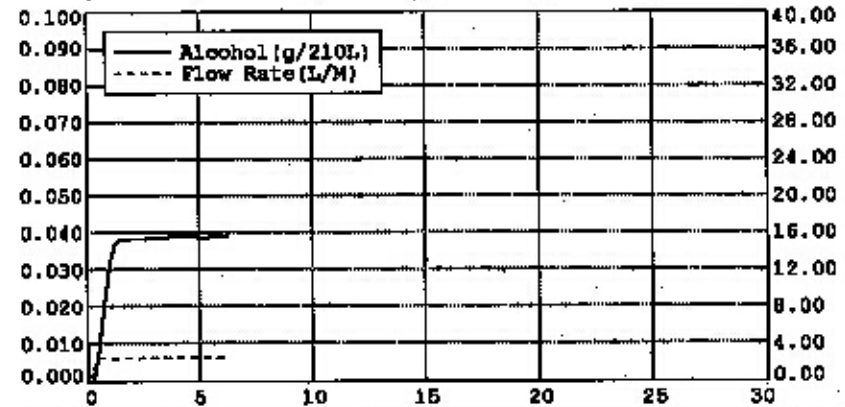
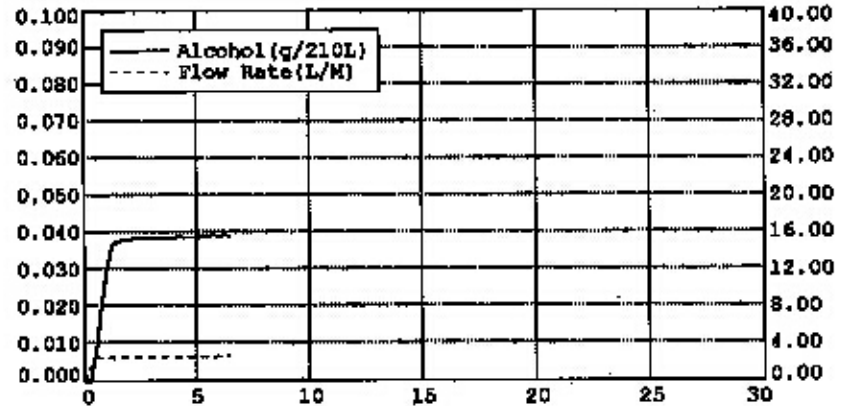
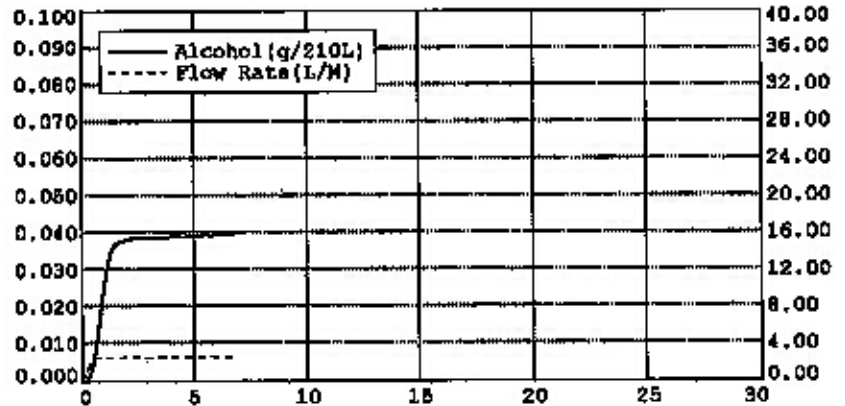
Date: 04/14/2011
 Time: 12:22:38

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.84: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	12:23
INTERNAL STANDARD	VERIFIED	12:23
EXTERNAL STANDARD	0.040	12:24
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.039	12:25
BLANK TEST	0.000	12:26
EXTERNAL STANDARD	0.040	12:26
BLANK TEST	0.000	12:27
EXTERNAL STANDARD	0.040	12:27
BLANK TEST	0.000	12:28
EXTERNAL STANDARD	0.040	12:28
BLANK TEST	0.000	12:29

Average = 0.0398
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dnt: 100389

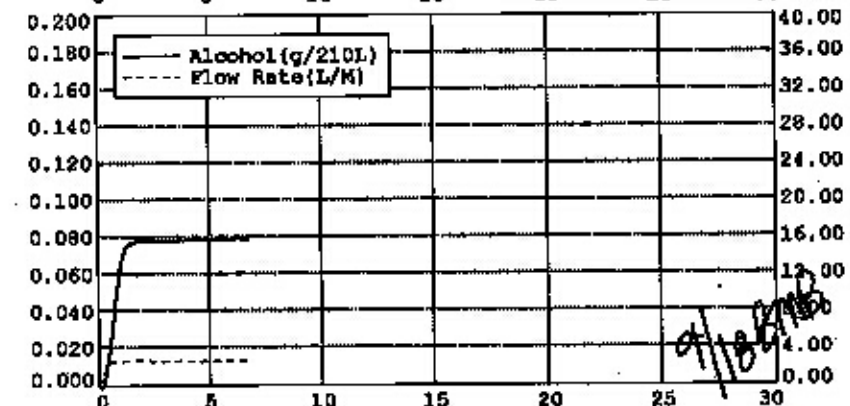
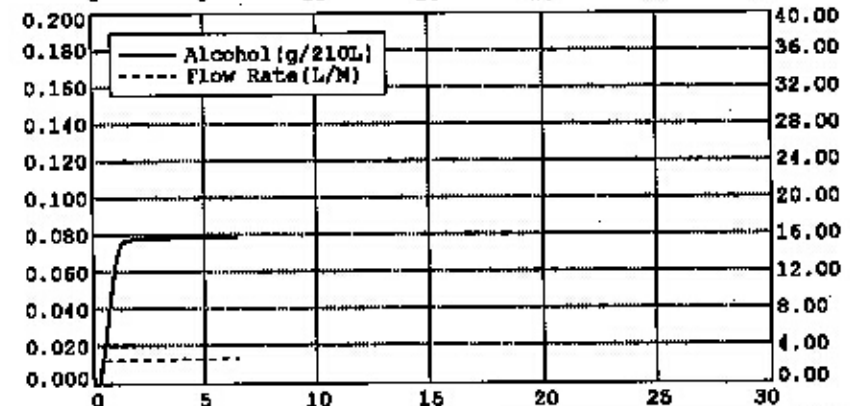
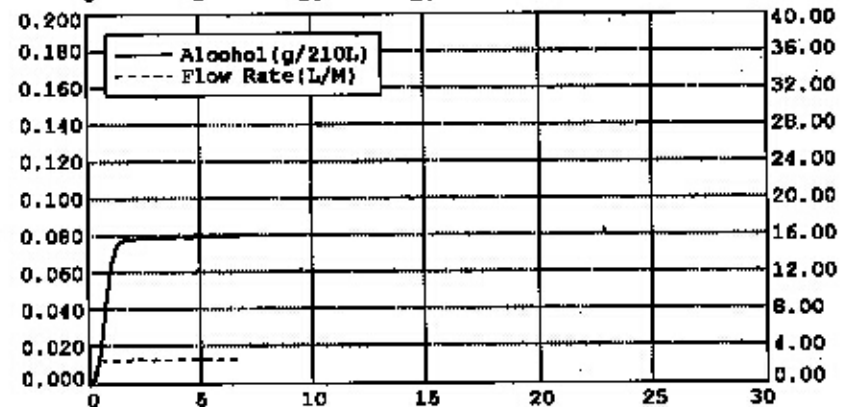
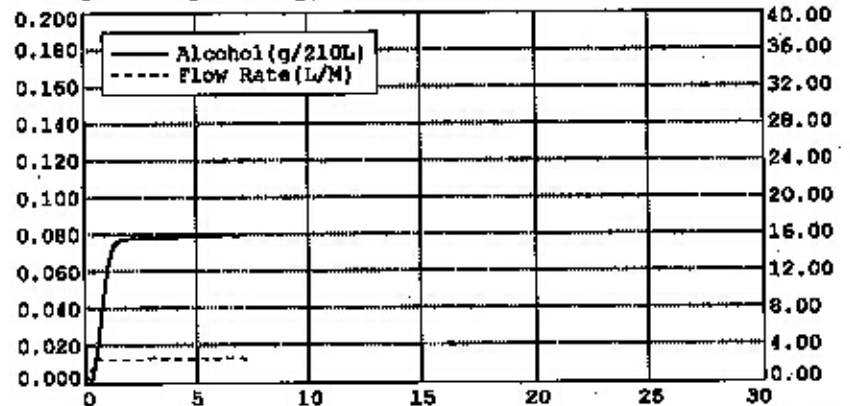
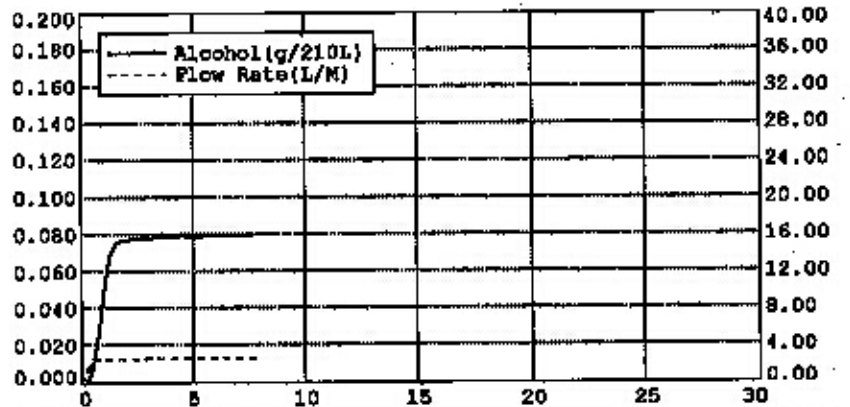
Date: 04/14/2011
 Time: 12:31:23

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.84: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	12:32
INTERNAL STANDARD	VERIFIED	12:32
EXTERNAL STANDARD	0.081	12:32
BLANK TEST	0.000	12:33
EXTERNAL STANDARD	0.080	12:33
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.080	12:35
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.080	12:36
BLANK TEST	0.000	12:37
EXTERNAL STANDARD	0.080	12:37
BLANK TEST	0.000	12:38

Average = 0.0802
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

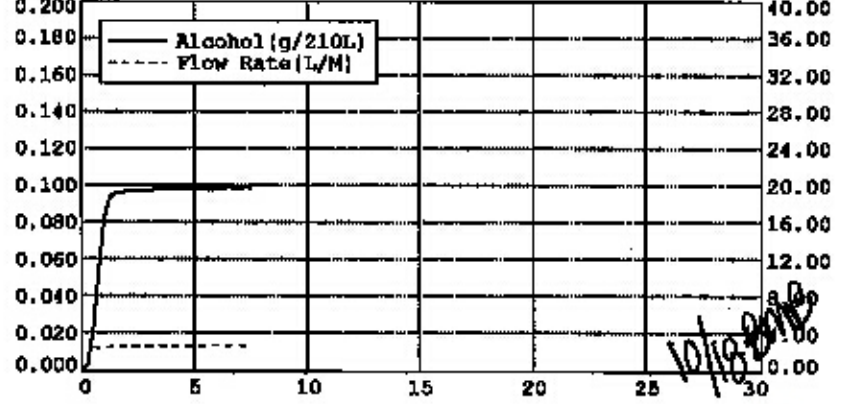
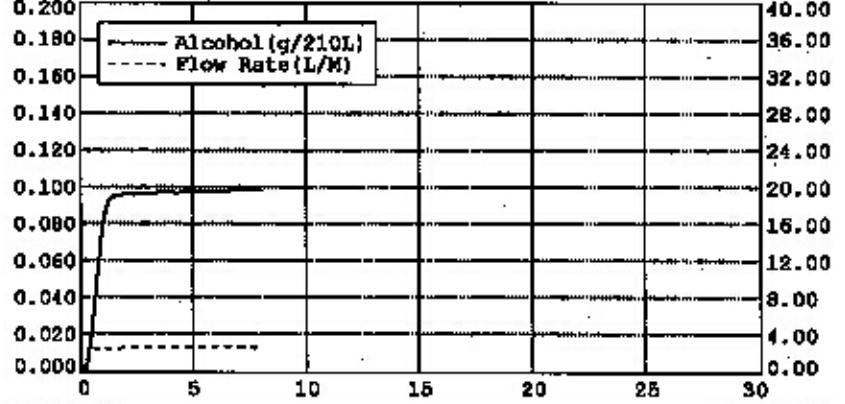
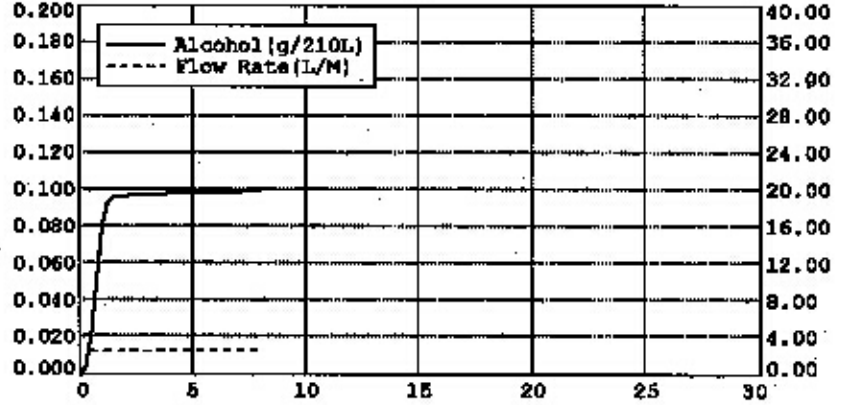
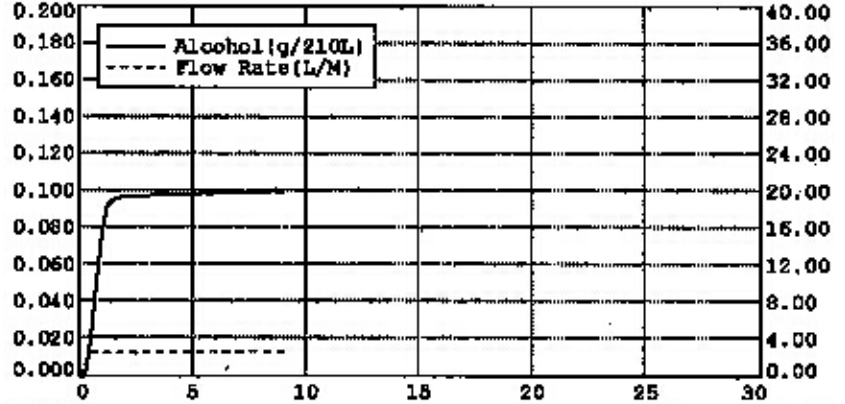
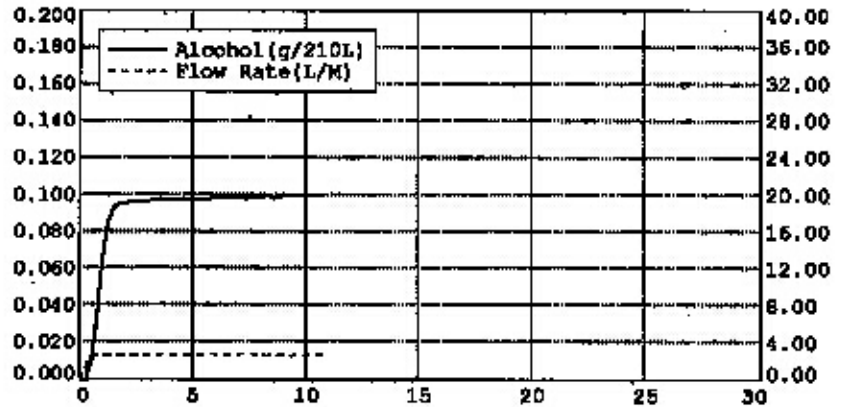
Alaska Department of Public Safety
 DATAMASTER dnt: 100389

Date: 04/14/2011
 Time: 12:56:29

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.84: 0.099
 LOF #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	12:57
INTERNAL STANDARD	VERIFIED	12:57
EXTERNAL STANDARD	0.100	12:57
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.101	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.100	13:00
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.099	13:01
BLANK TEST	0.000	13:02
EXTERNAL STANDARD	0.100	13:02
BLANK TEST	0.000	13:03

Average = 0.1000
 Std Dev = 0.0007



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dmt: 100389

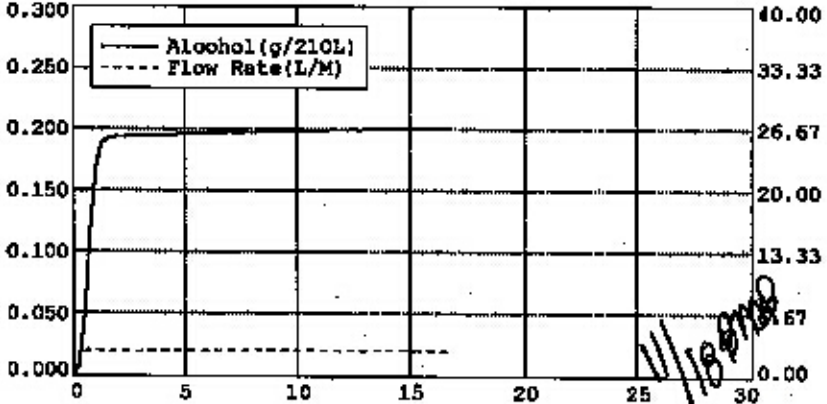
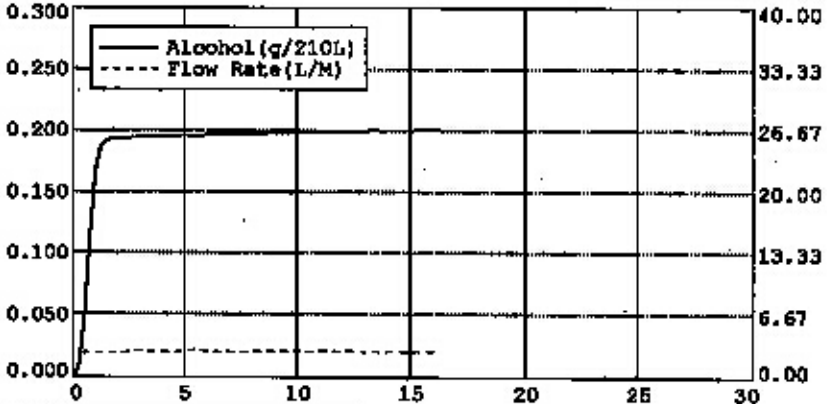
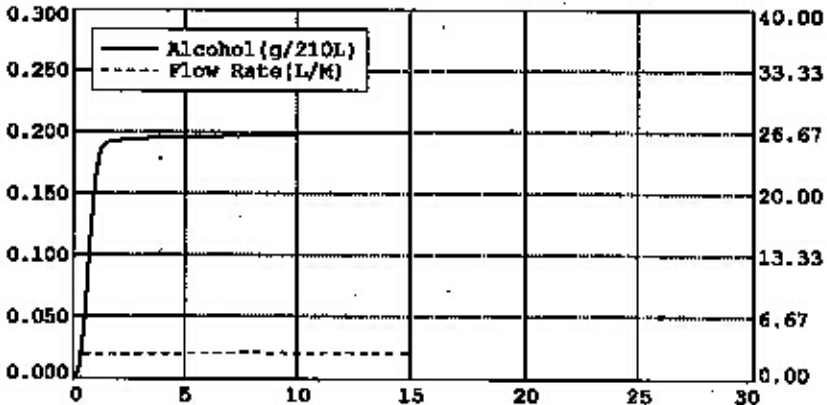
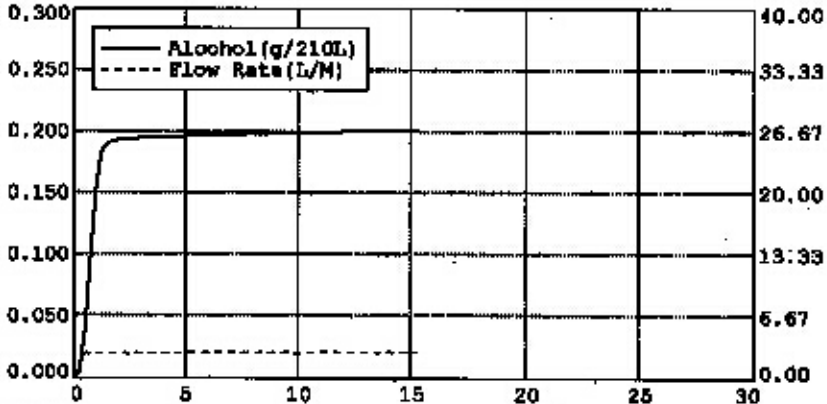
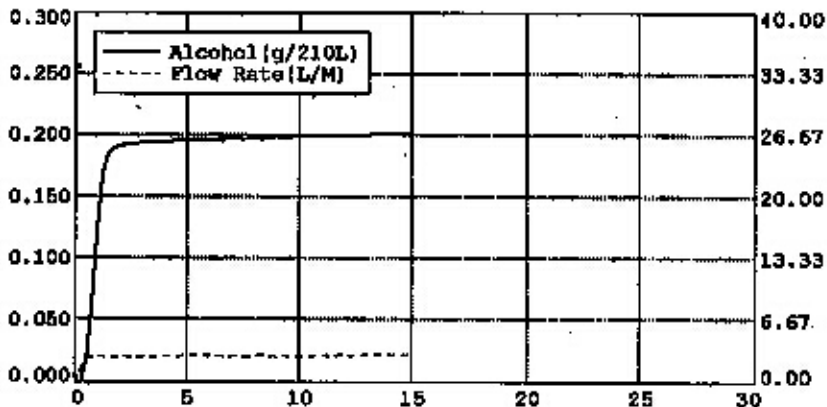
Date: 04/14/2011
 Time: 13:11:23

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 TARGET AT 29.85: 0.199
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:12
INTERNAL STANDARD	VERIFIED	13:12
EXTERNAL STANDARD	0.201	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.202	13:14
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.201	13:15
BLANK TEST	0.000	13:16
EXTERNAL STANDARD	0.201	13:17
BLANK TEST	0.000	13:18
EXTERNAL STANDARD	0.202	13:18
BLANK TEST	0.000	13:19

Average = 0.2014
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dnt: 100389

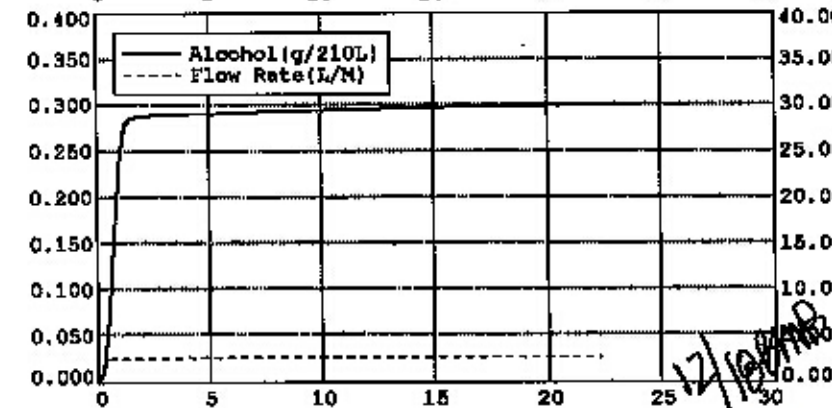
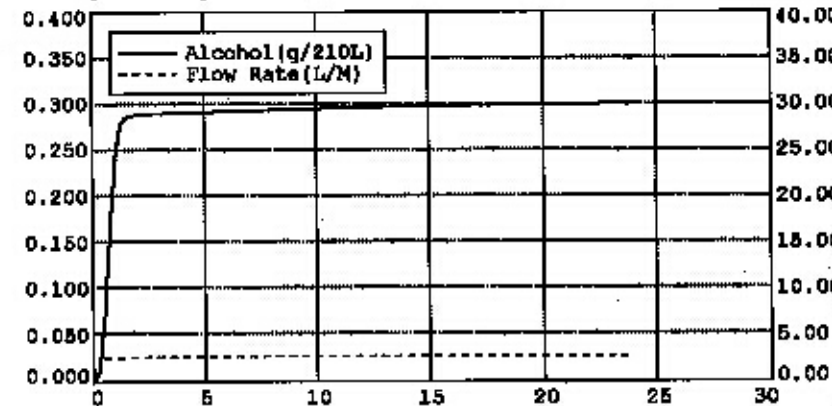
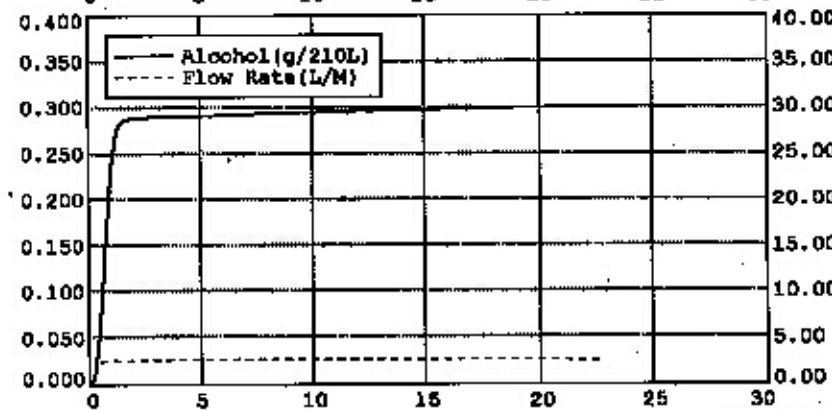
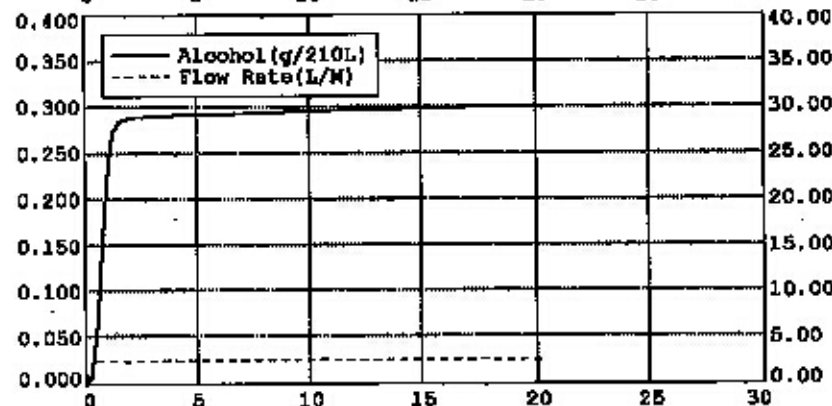
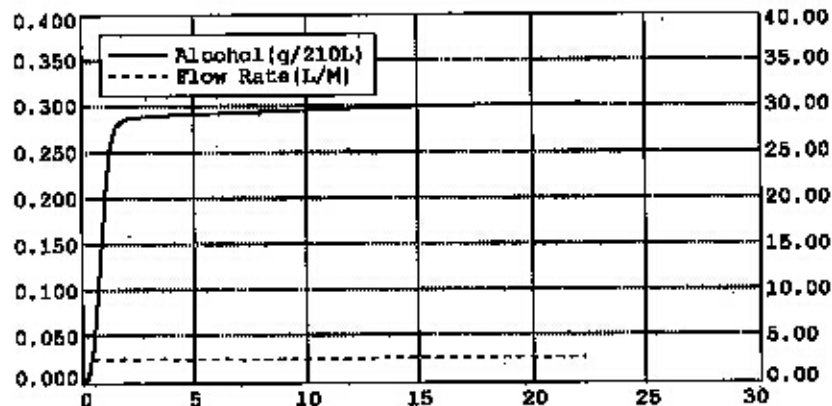
Date: 04/14/2011
Time: 13:20:31

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.85: 0.299
LOT #: 07611300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:21
INTERNAL STANDARD	VERIFIED	13:21
EXTERNAL STANDARD	0.301	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.300	13:23
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.301	13:25
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.300	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.300	13:28
BLANK TEST	0.000	13:29

Average = 0.3004
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dnt: 100389

Date: 04/14/2011
Time: 13:37:43

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

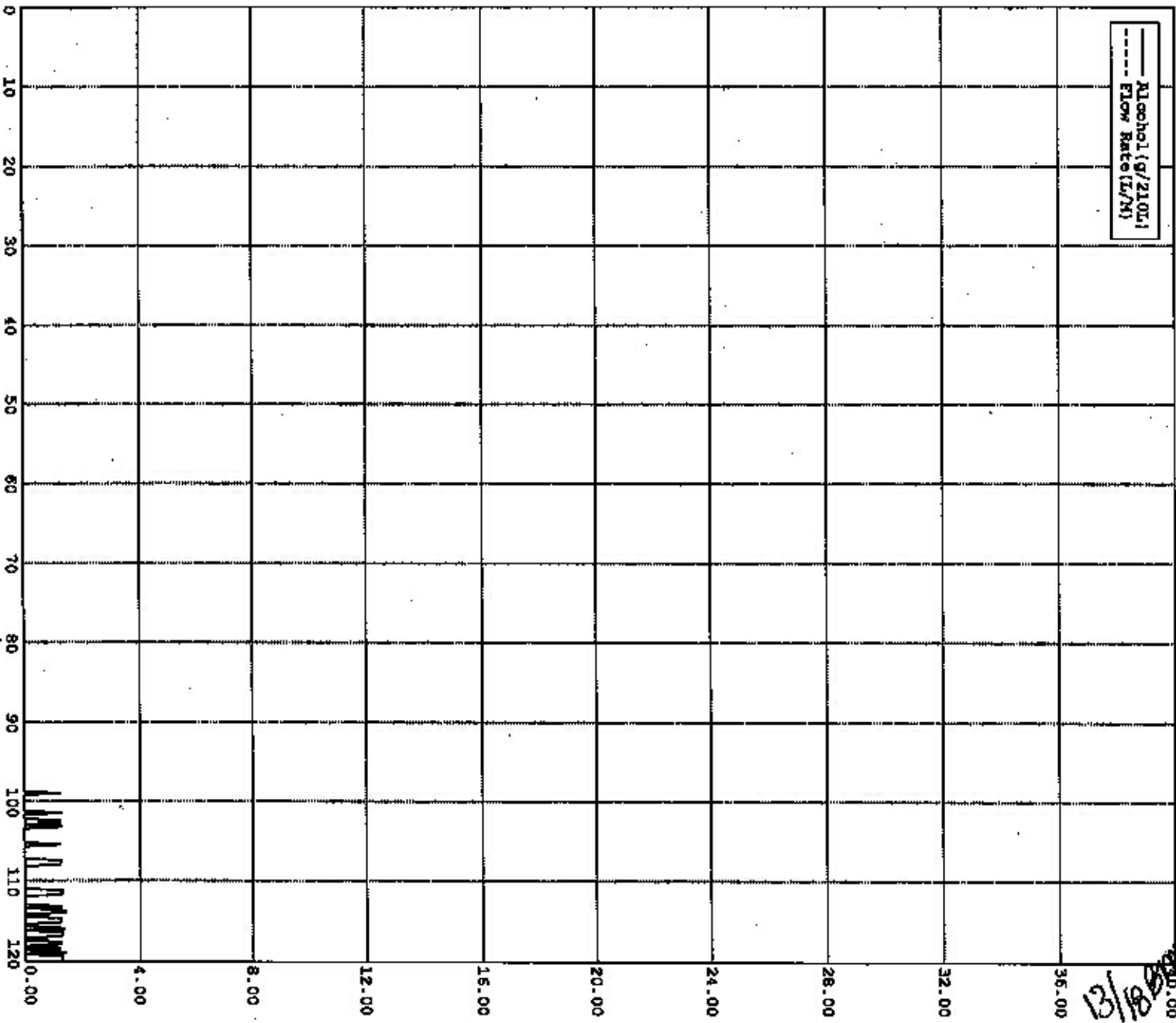
OPERATOR NAME:
INCOMPLETE XXXX
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.85: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:41
BLANK TEST	0.000	13:41
INTERNAL STANDARD	VERIFIED	13:41
EXTERNAL STANDARD	0.081	13:41
BLANK TEST	0.000	13:42
SUBJECT SAMPLE	INCOMPLETE	13:44

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



Handwritten signature/initials

13/18/2011

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100389

Date: 04/14/2011
 Time: 13:47:07

SUBJECT NAME:
 TEST TEST
 LICENSE #: INVALID

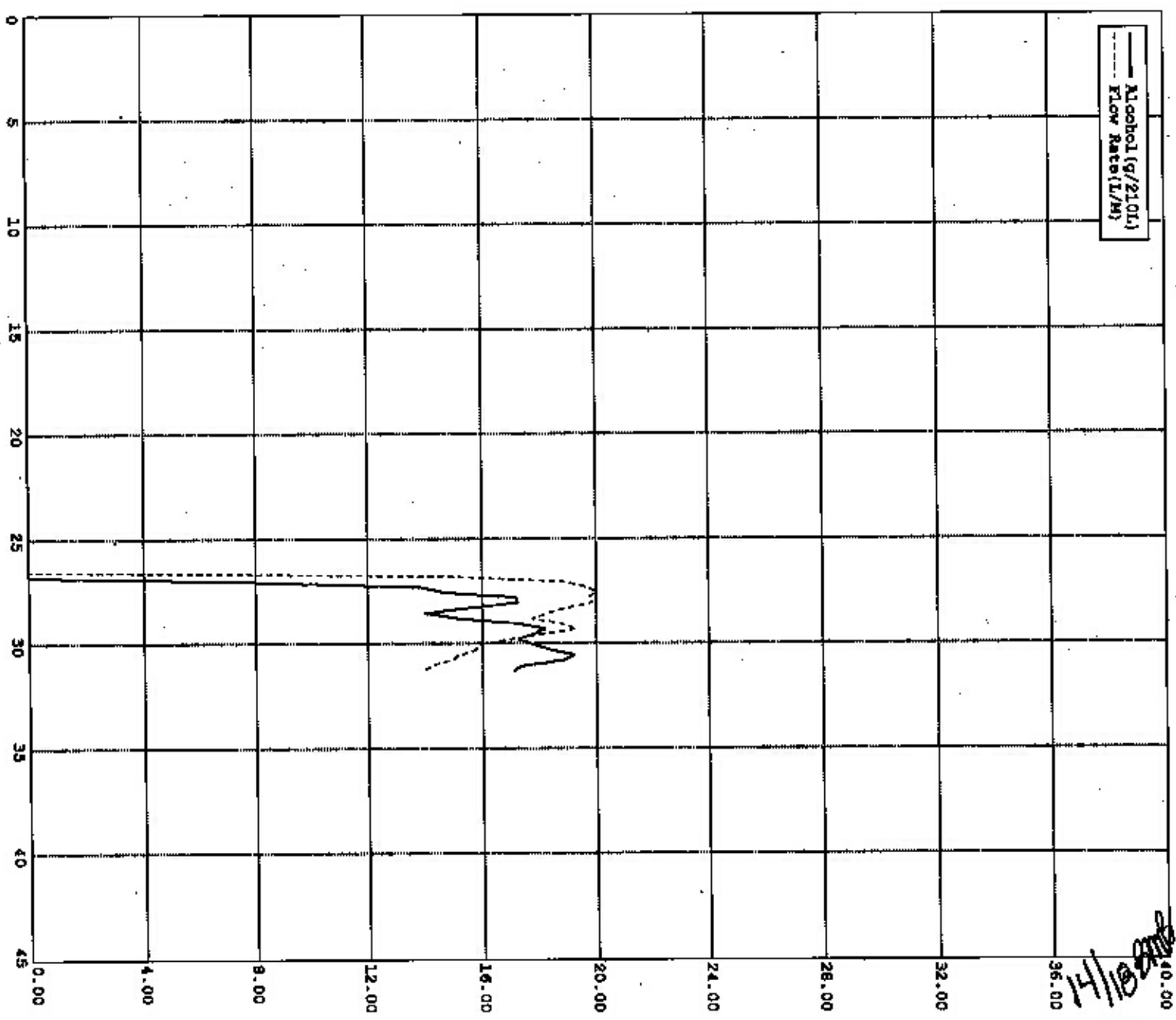
OPERATOR NAME:
 XXXX X XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.85: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:48
BLANK TEST	0.000	13:48
INTERNAL STANDARD	VERIFIED	13:48
EXTERNAL STANDARD	0.081	13:48
BLANK TEST	0.000	13:49
SUBJECT SAMPLE	Invalid	13:50

BMB



SUBJECT TEST

Alaska Department of Public Safety
 DATUMMASTER dmt: 100389

Date: 04/14/2011
 Time: 14:05:38

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTERFERE

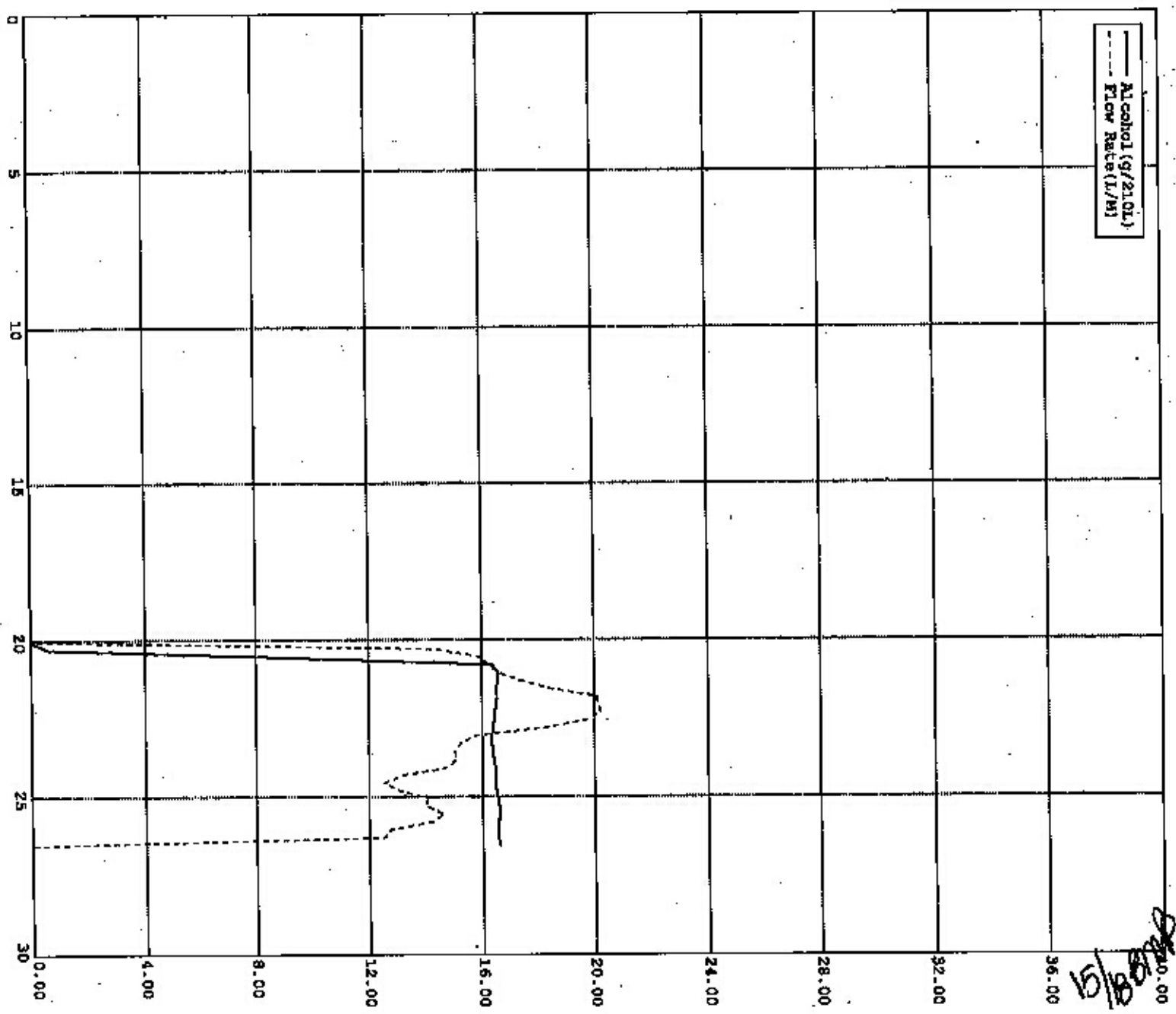
OPERATOR NAME:
 OPERATOR AND AGENTS
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.84: 0.079
 ICF #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:06
BLANK TEST	0.000	14:06
INTERNAL STANDARD	VERIFIED	14:06
EXTERNAL STANDARD	0.081	14:07
BLANK TEST	0.000	14:08
SUBJECT SAMPLE	INTERFERENCE	14:08

BMB



15/10/2011

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100389

Date: 04/14/2011
 Time: 13:57:06

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTERFERE

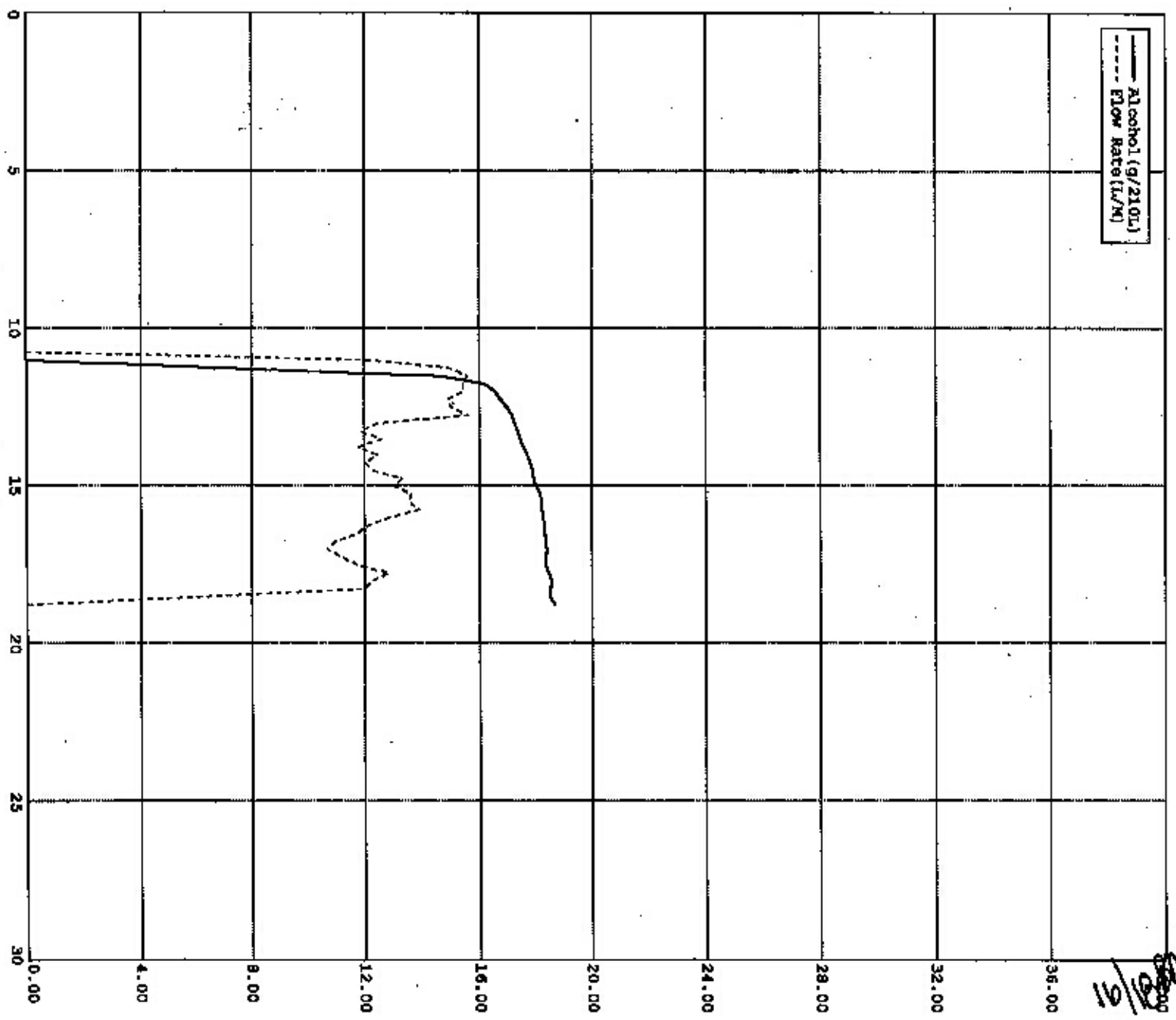
OPERATOR NAME:
 ETHANOL AND ISOPROPANOL
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.85: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:58
BLANK TEST	0.000	13:58
INTERNAL STANDARD	VERIFIED	13:58
EXTERNAL STANDARD	0.080	13:58
BLANK TEST	0.000	13:58
SUBJECT SAMPLE	INTERFERENCE	13:59

BMB



16/10/2011
BMB

SUBJECT TEST

Alaska Department of Public Safety
 DATUMSYSTEM dmt: 100389

Date: 04/14/2011
 Time: 13:52:49

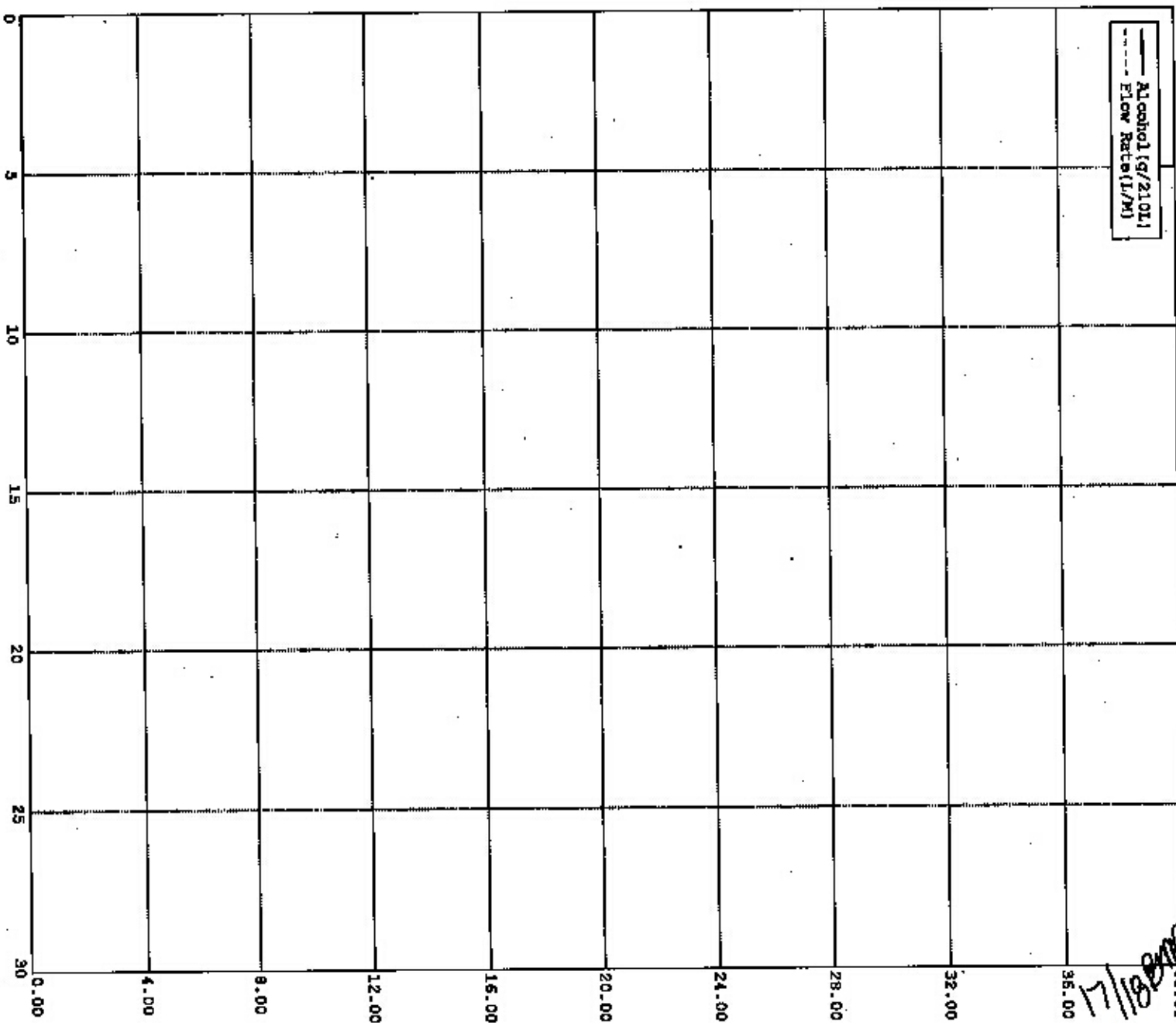
SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 RADIO INTERFERE
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.85: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
 BLANK TEST PASSED 13:53
 INTERNAL STANDARD VERIFIED 13:54
 EXTERNAL STANDARD 0.080 13:54
 BLANK TEST 0.000 13:55
 RFL Detected



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmc: 100389

Date: 04/14/2011
Time: 14:34:18

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

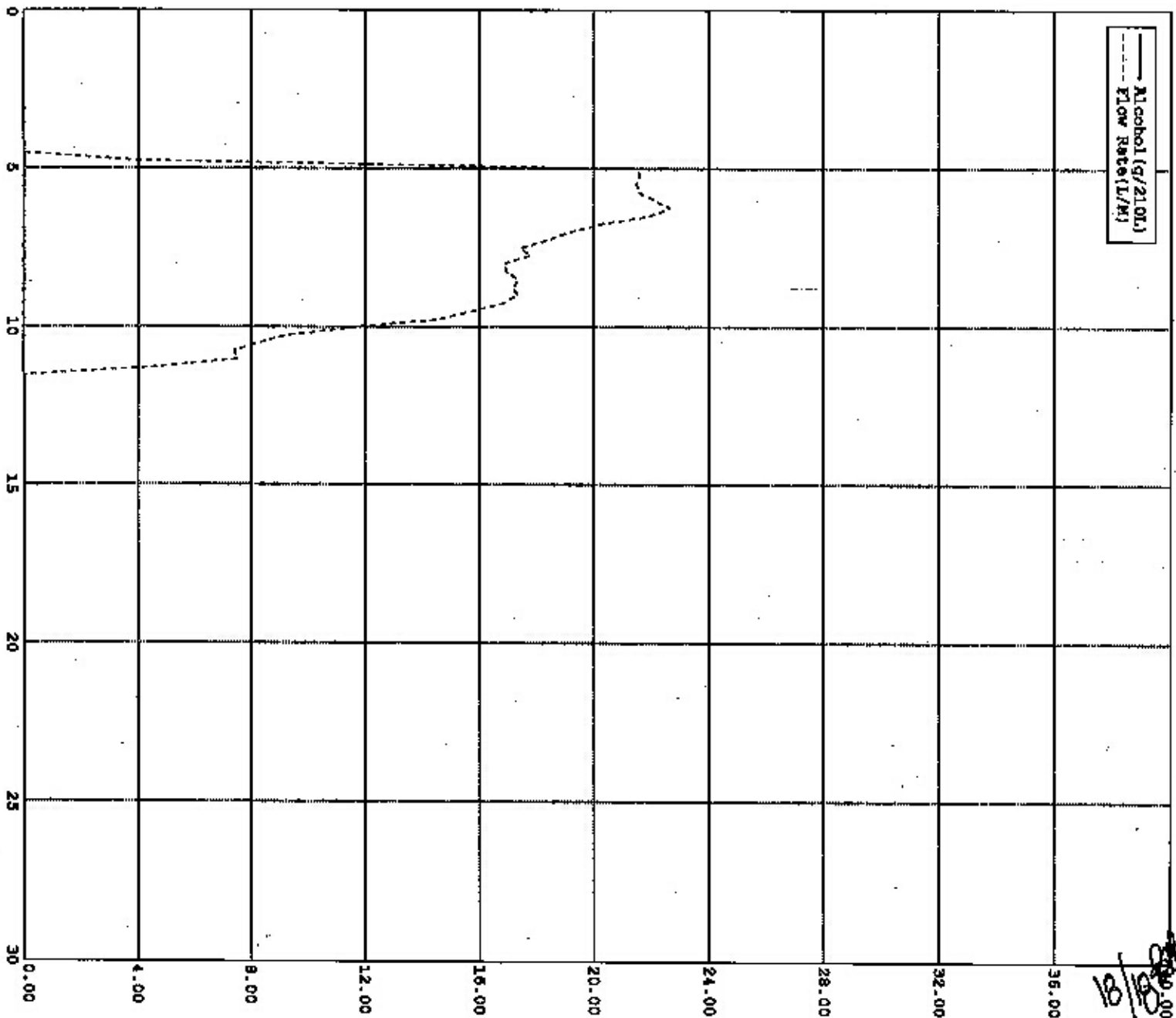
OPERATOR NAME:
BRANDI M BARNETT
OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.85: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:35
BLANK TEST	0.000	14:35
INTERNAL STANDARD	VERIFIED	14:35
EXTERNAL STANDARD	0.081	14:35
BLANK TEST	0.000	14:36
SUBJECT SAMPLE	0.000	14:37
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.081	14:38
BLANK TEST	0.000	14:39

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Final page for report

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