

	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 # 100381Analyst 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 1000 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 06611100A2 Exp 03/01/2013
 - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 03/01/2013
 - 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 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 BMB

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dnt: 100381

Date: 05/02/2011
Time: 14:13:38

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C PASSED
Breath Tube = 46.8°C PASSED

PUMP INFO

Flow Rate = 4.195 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

2/10808

Technician Screen

DATAMASTER dmt: 100381

Date: 05/02/2011
Time: 2:25 PM

Temperatures (°C)

Sample Cell: 49.2°C
Breath Tube: 45.6°C

Current Barometer 29.6 in
Volume (Ltr) 1.50

Settings

Lamp: 1.67 V
Bias: 79 V
Cooler: 1.62 V
Chopper: 537 Hz

Voltages (V)

Flow: 1.07 V
Detector: 0.493 V

3/18/2011

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100381

Date: 04/26/2011
Time: 08:49:42

SUPERVISOR NAME:
COLLEEN S OBRYAN
CERTIFICATE #: 6237

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

Ca	=	0.1000		
CAL	=	0.974069	0.800	<= CAL < 1.200
b1	=	0.0000	0.0000	<= b1 < 0.0040
b2	=	0.0029	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xq	=	0.0904	0.0500	<= Xq < 0.2000
a21	=	1.090518	1.050	<= a21 < 1.300
a31	=	0.416583	0.300	<= a31 < 0.800

4/18/2011

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100381

Date: 05/02/2011
Time: 14:32:21

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

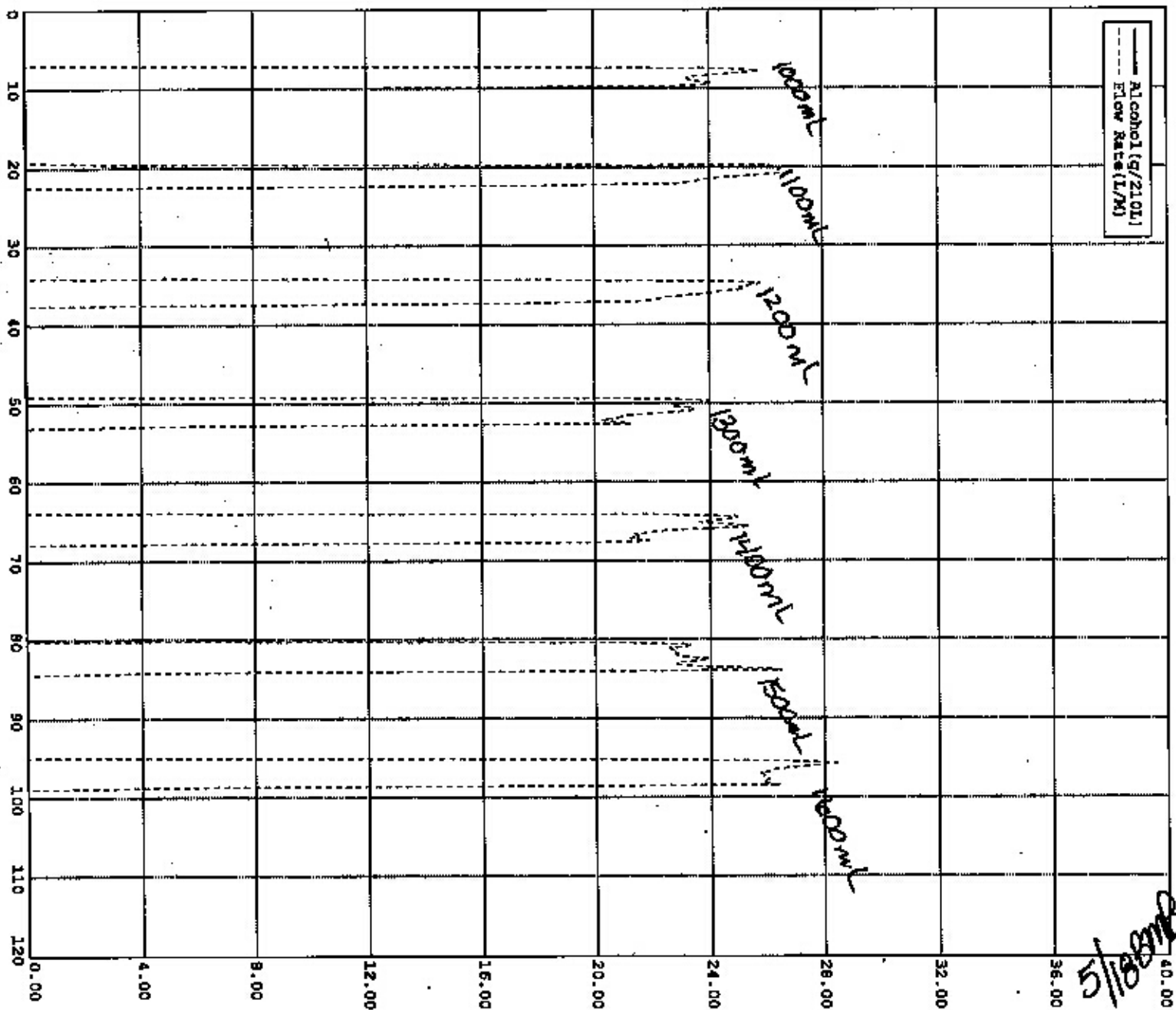
OPERATOR NAME:
MINIMUM VOLUME
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.59: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:33
BLANK TEST	0.000	14:33
INTERNAL STANDARD	0.079	14:33
EXTERNAL STANDARD	0.000	14:34
BLANK TEST	0.000	14:35
SUBJECT SAMPLE	0.000	14:37
EXTERNAL STANDARD	0.079	14:37
BLANK TEST	0.000	14:38

PMB



LINEARITY CHECK

Alaska Department of Public Safety
 INVERMETER dmtc: 100381

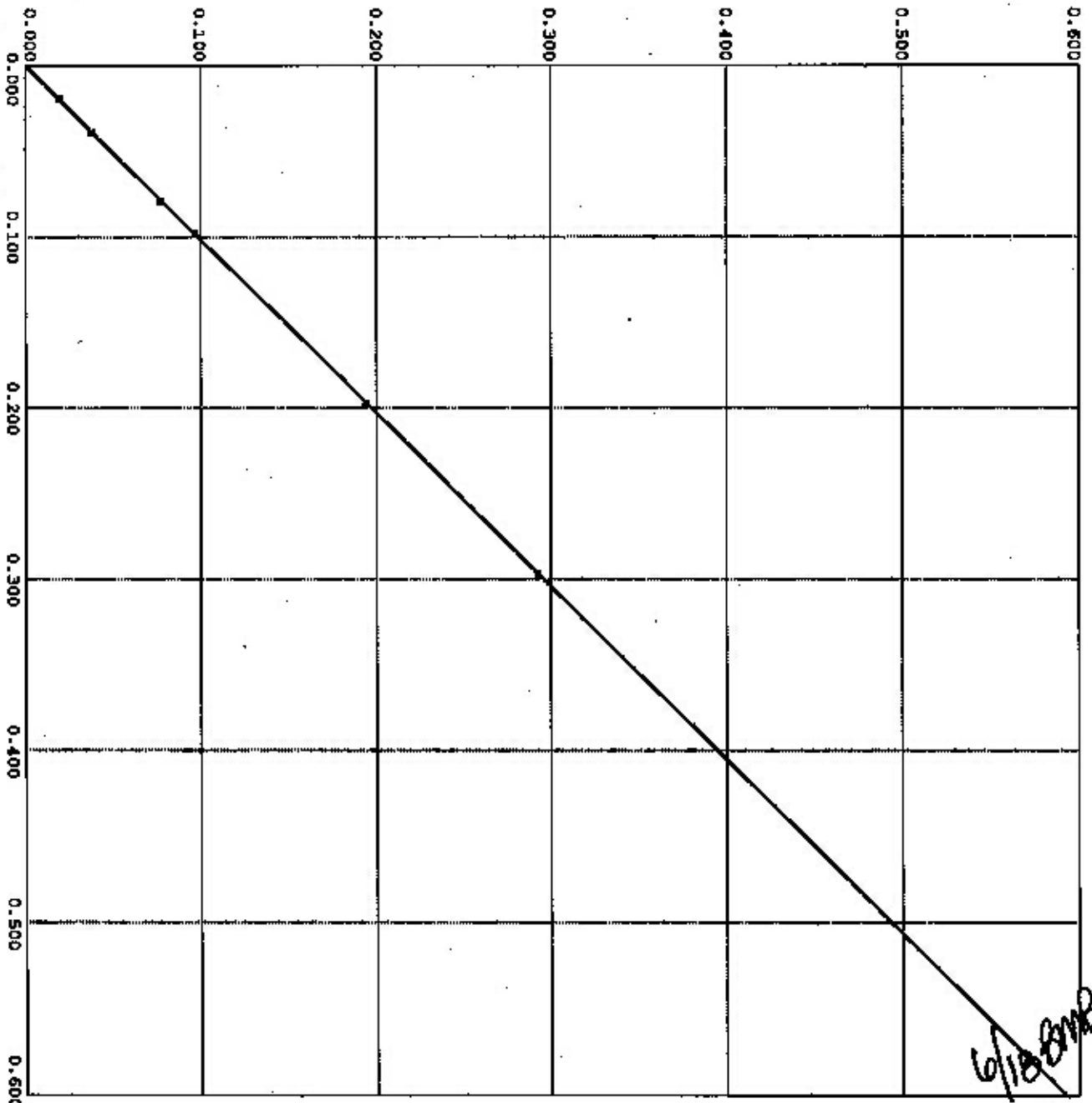
Date: 05/02/2011
 Time: 14:43:28

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.039	0.0386	0.0004
0.079	0.0780	0.0007
0.098	0.0974	0.0005
0.197	0.1948	0.0004
0.296	0.2934	0.0019

SLOPE = 0.988353
 R² = 0.999889

Brandl



LINEARITY CHECK: Control Test 1

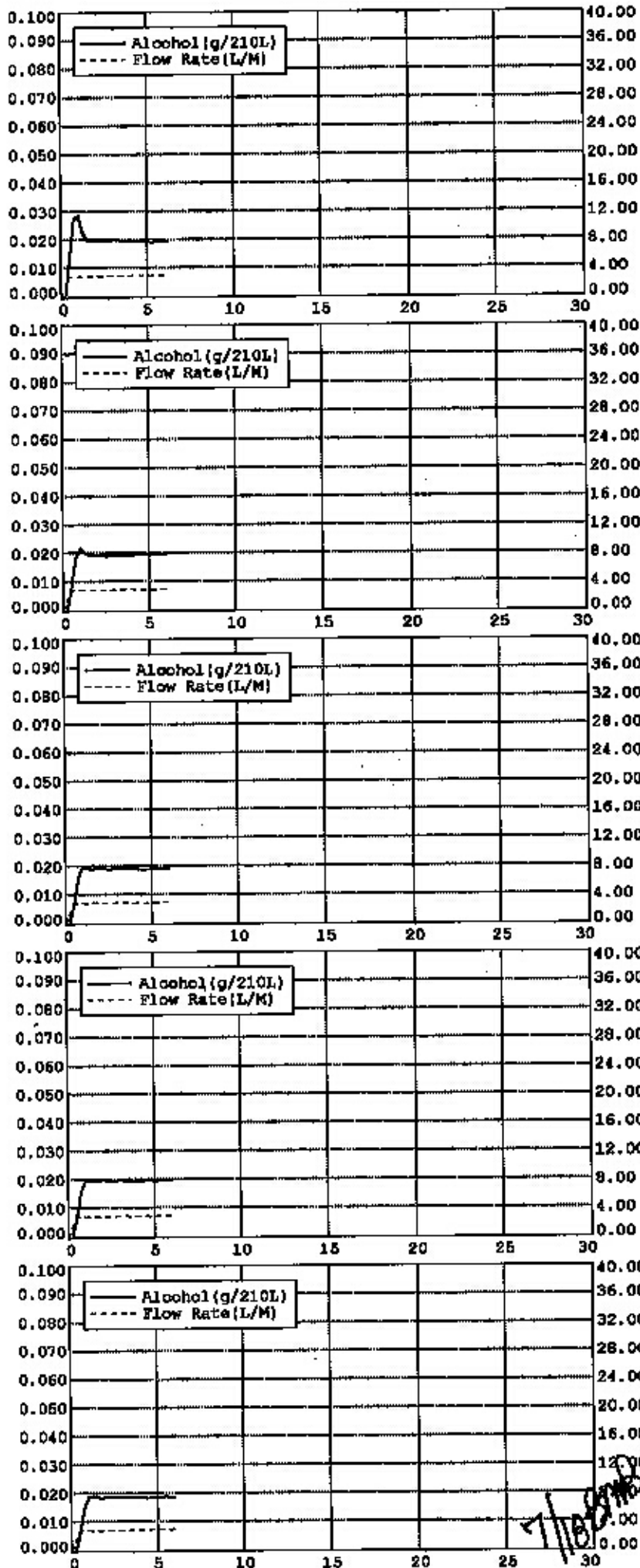
Alaska Department of Public Safety
 DATAMASTER dnt: 100381

Date: 05/02/2011
 Time: 14:43:29

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.58: 0.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:44
INTERNAL STANDARD	VERIFIED	14:44
EXTERNAL STANDARD	0.020	14:44
BLANK TEST	0.000	14:45
EXTERNAL STANDARD	0.020	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.020	14:47
BLANK TEST	0.000	14:47
EXTERNAL STANDARD	0.020	14:48
BLANK TEST	0.000	14:49
EXTERNAL STANDARD	0.020	14:49
BLANK TEST	0.000	14:50

Average = 0.0200
 Std Dev = 0.0000



7/18/2011

LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100381

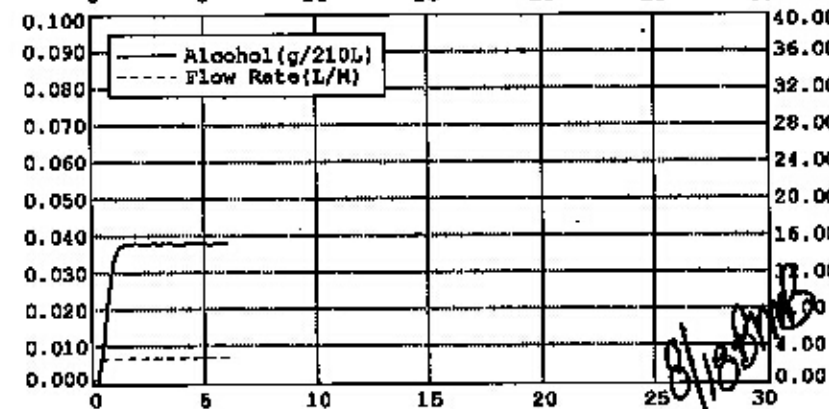
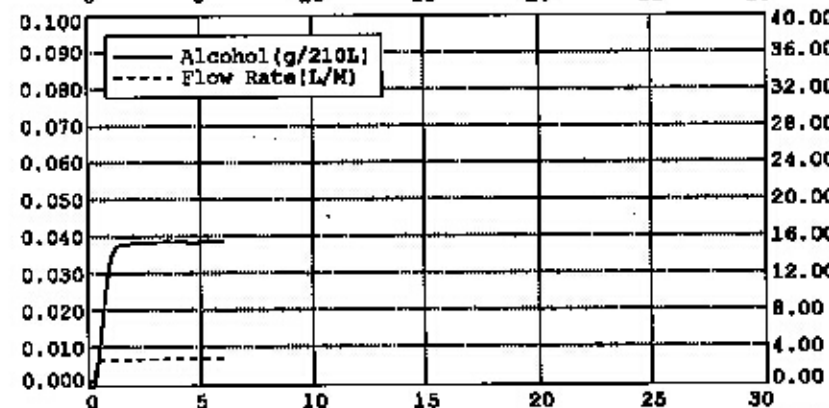
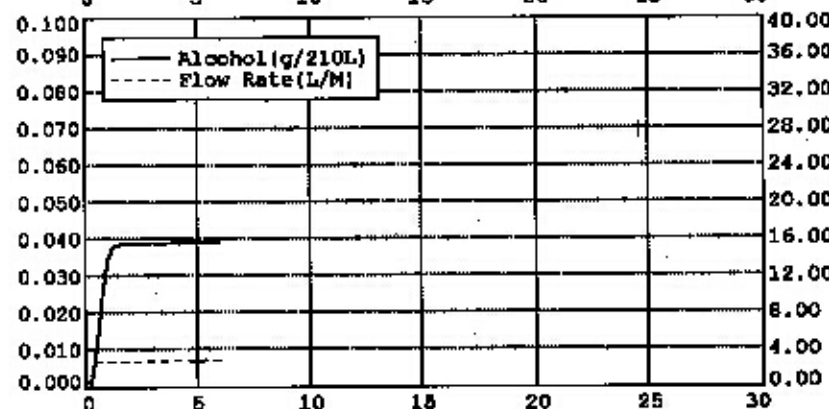
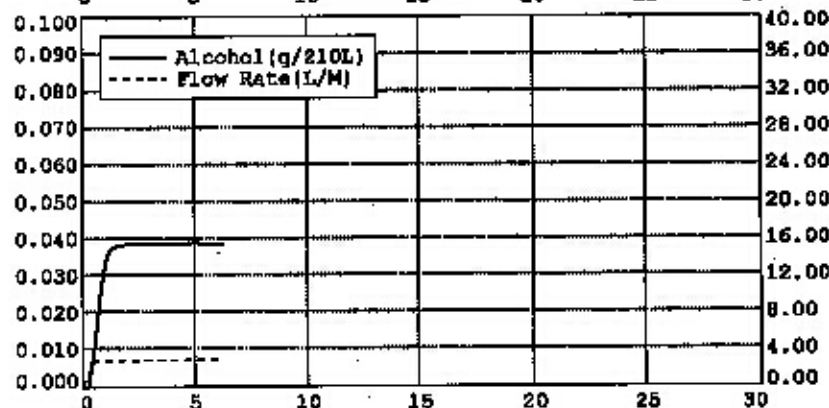
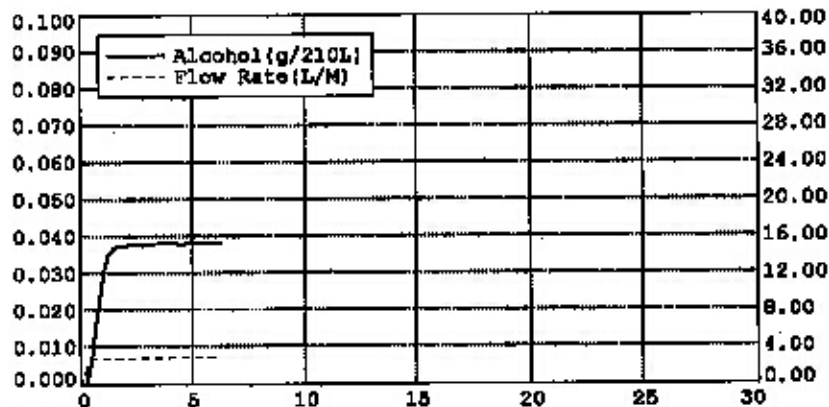
Date: 05/02/2011
Time: 14:51:46

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.58: 0.039
LOT #: 02811040A2
EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:52
INTERNAL STANDARD	VERIFIED	14:52
EXTERNAL STANDARD	0.039	14:53
BLANK TEST	0.000	14:54
EXTERNAL STANDARD	0.039	14:54
BLANK TEST	0.000	14:55
EXTERNAL STANDARD	0.039	14:55
BLANK TEST	0.000	14:56
EXTERNAL STANDARD	0.039	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.038	14:57
BLANK TEST	0.000	14:58

Average = 0.0388
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dnt: 100381

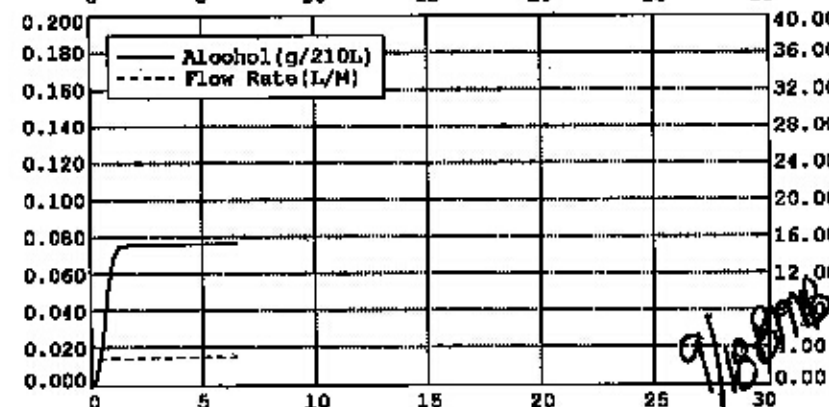
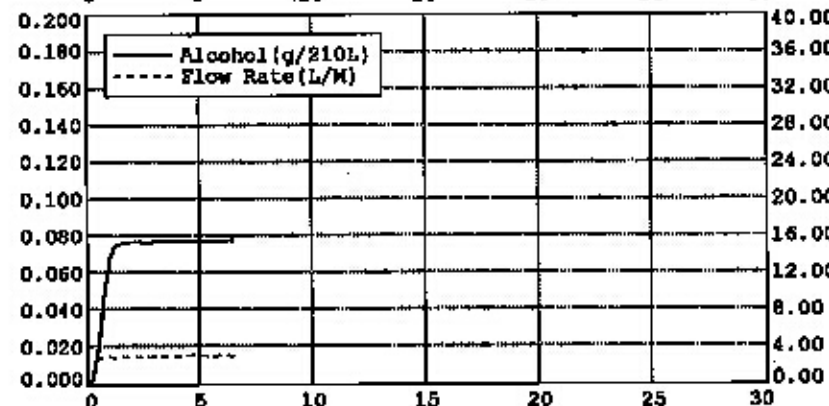
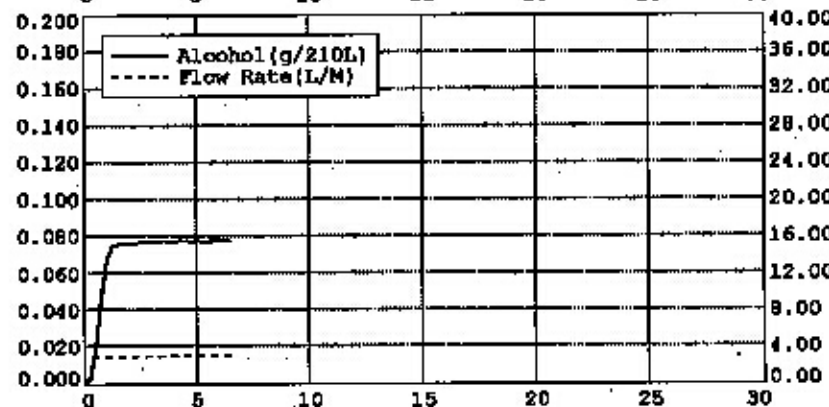
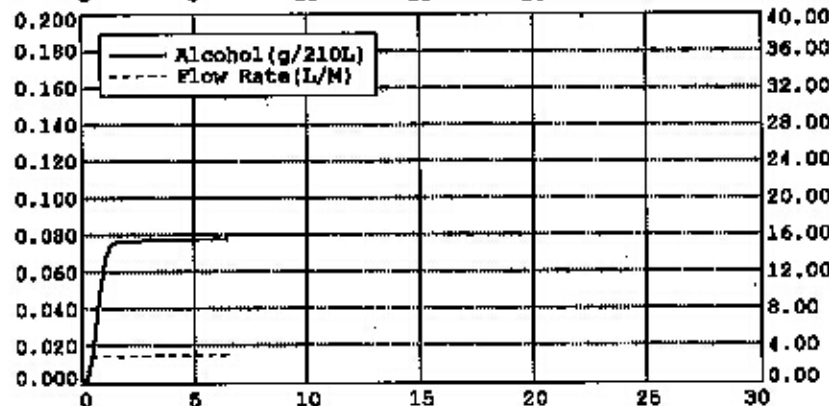
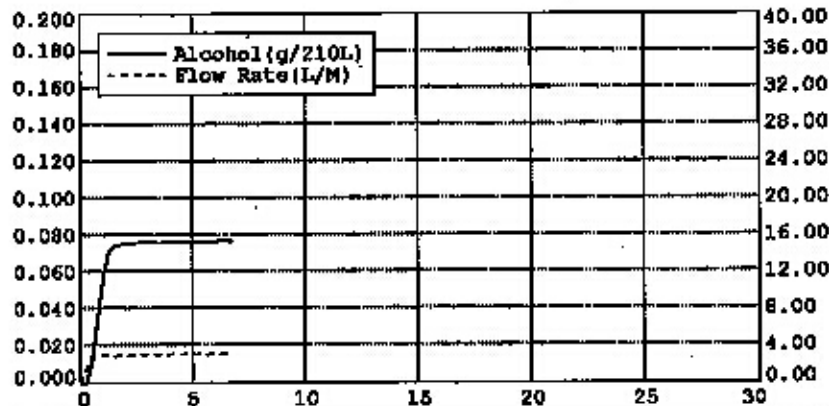
Date: 05/02/2011
Time: 15:00:01

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.58: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

BLANK TEST	0.000	15:02
INTERNAL STANDARD	VERIFIED	15:02
EXTERNAL STANDARD	0.077	15:03
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.079	15:04
BLANK TEST	0.000	15:05
EXTERNAL STANDARD	0.078	15:05
BLANK TEST	0.000	15:06
EXTERNAL STANDARD	0.078	15:06
BLANK TEST	0.000	15:07
EXTERNAL STANDARD	0.078	15:07
BLANK TEST	0.000	15:08

Average = 0.0780
Std Dev = 0.0007



LINEARITY CHECK: Control Test 4

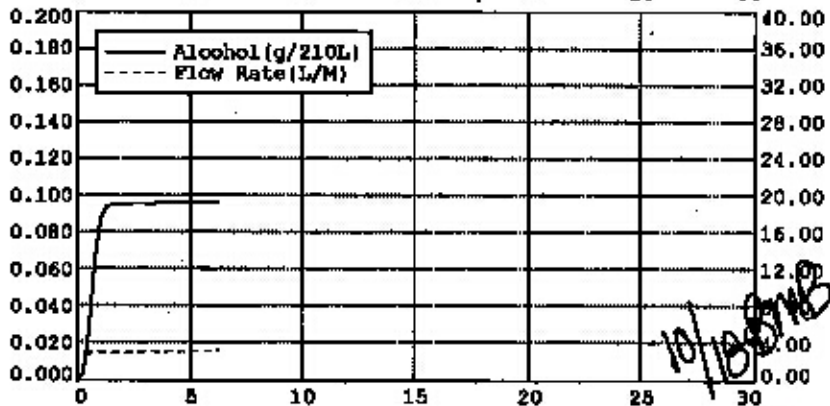
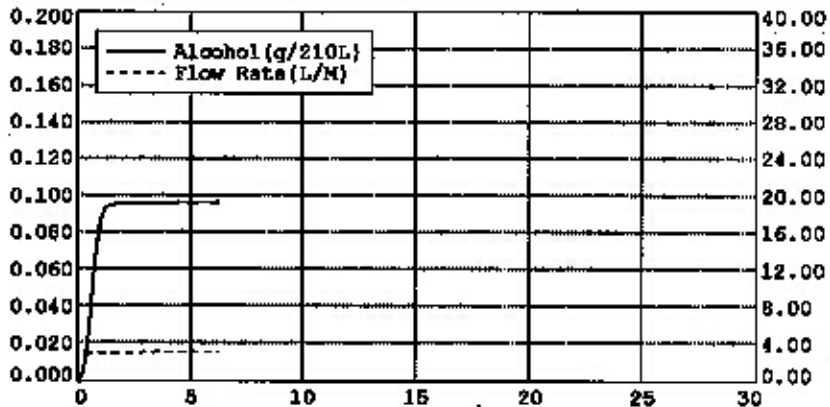
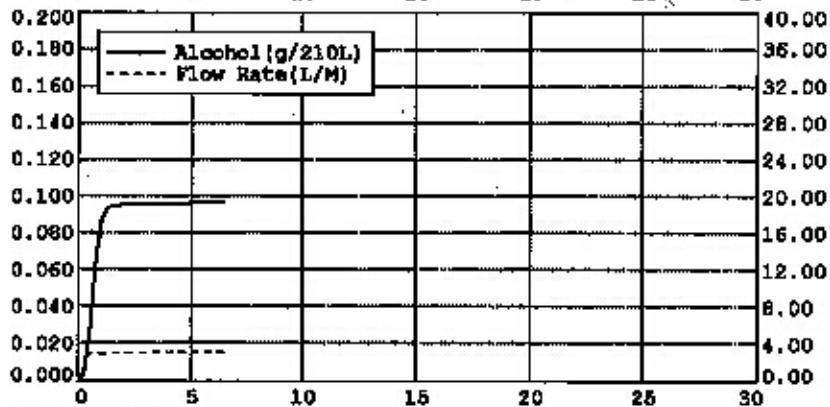
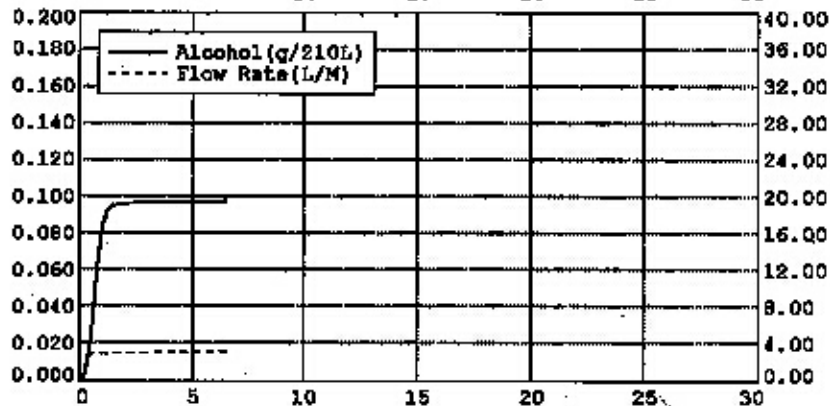
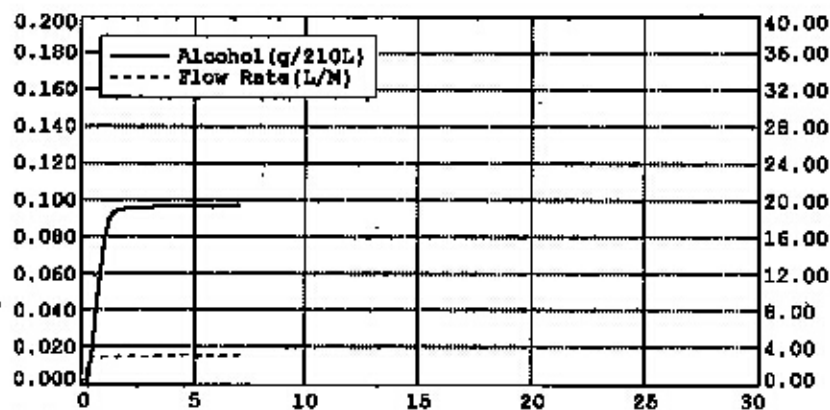
Alaska Department of Public Safety
DATAMASTER dnt: 100361

Date: 05/02/2011
Time: 15:10:31

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100
TARGET AT 29.58: 0.098
LOT #: 05611100A2
EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:11
INTERNAL STANDARD	VERIFIED	15:11
EXTERNAL STANDARD	0.098	15:11
BLANK TEST	0.000	15:13
EXTERNAL STANDARD	0.098	15:13
BLANK TEST	0.000	15:14
EXTERNAL STANDARD	0.097	15:14
BLANK TEST	0.000	15:15
EXTERNAL STANDARD	0.097	15:15
BLANK TEST	0.000	15:16
EXTERNAL STANDARD	0.097	15:16
BLANK TEST	0.000	15:17

Average = 0.0974
Std Dev = 0.0005



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dmt: 100381

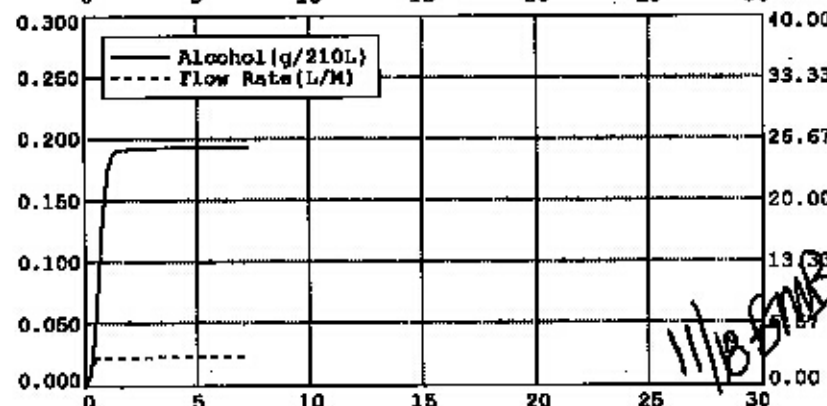
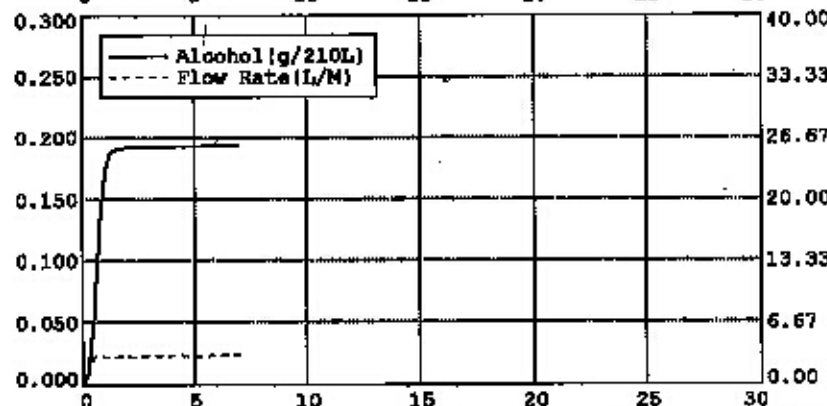
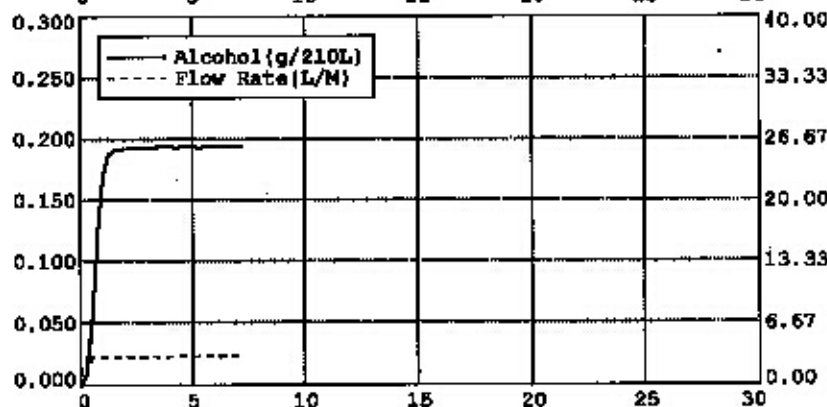
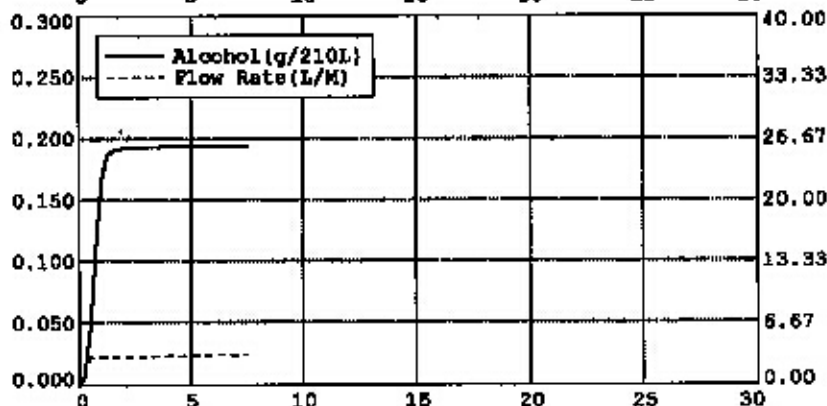
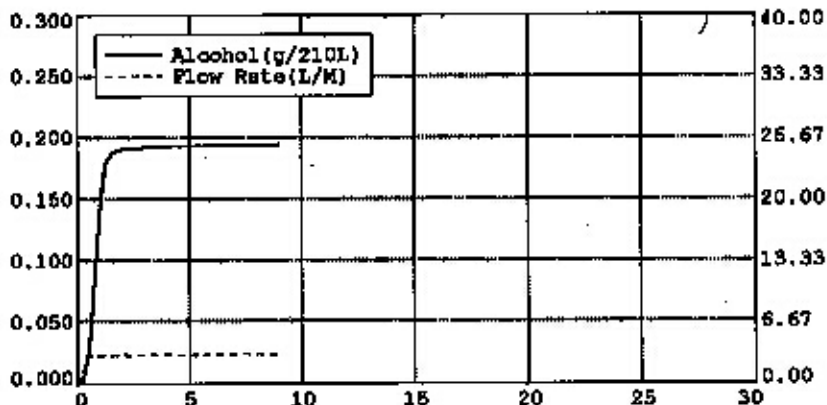
Date: 05/02/2011
 Time: 15:20:07

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 TARGET AT 29.58: 0.197
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:21
INTERNAL STANDARD	VERIFIED	15:21
EXTERNAL STANDARD	0.195	15:21
BLANK TEST	0.000	15:22
EXTERNAL STANDARD	0.195	15:22
BLANK TEST	0.000	15:24
EXTERNAL STANDARD	0.195	15:24
BLANK TEST	0.000	15:25
EXTERNAL STANDARD	0.194	15:25
BLANK TEST	0.000	15:26
EXTERNAL STANDARD	0.195	15:26
BLANK TEST	0.000	15:27

Average = 0.1948
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
 DATAMASTER dnt: 100381

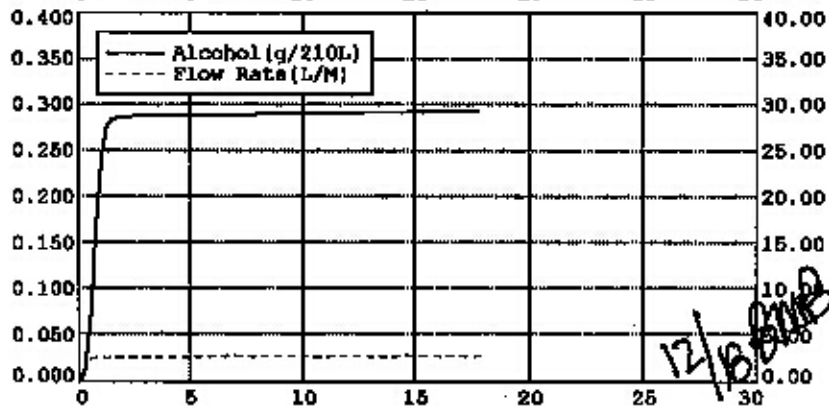
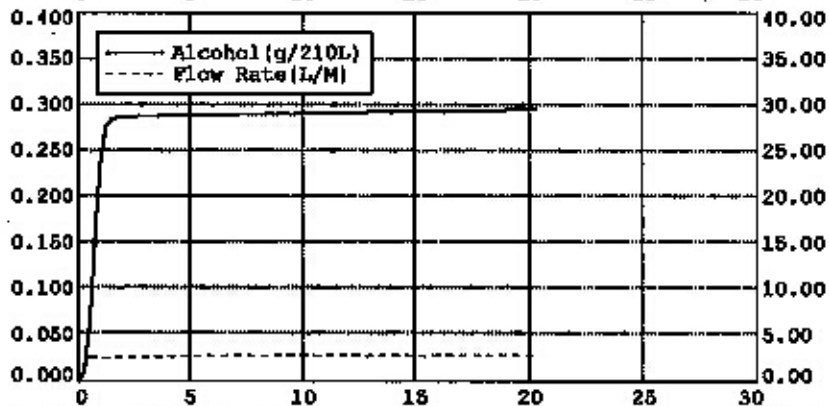
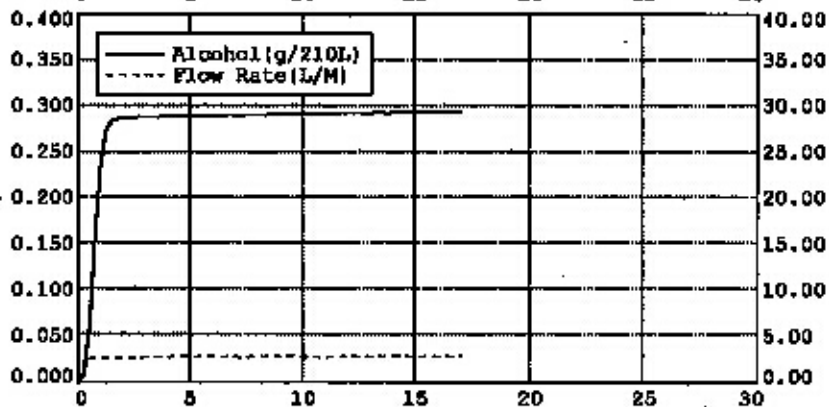
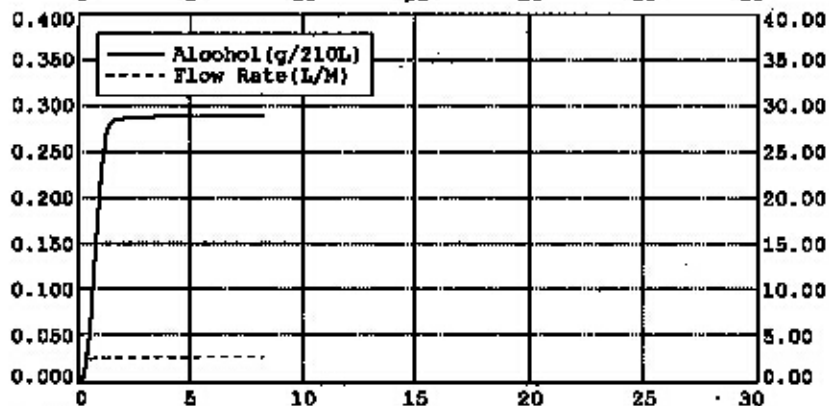
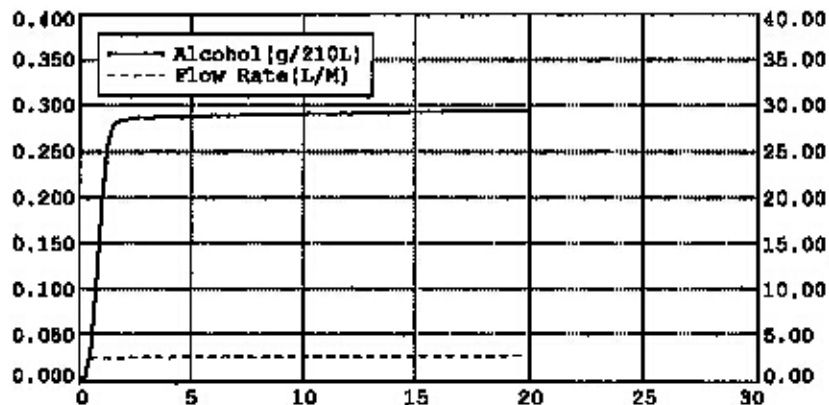
Date: 05/02/2011
 Time: 15:30:15

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.58: 0.296
 LOT #: 07411300A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:31
INTERNAL STANDARD	VERIFIED	15:31
EXTERNAL STANDARD	0.295	15:32
BLANK TEST	0.000	15:33
EXTERNAL STANDARD	0.290	15:33
BLANK TEST	0.000	15:34
EXTERNAL STANDARD	0.294	15:34
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.294	15:36
BLANK TEST	0.000	15:37
EXTERNAL STANDARD	0.294	15:37
BLANK TEST	0.000	15:39

Average = 0.2934
 Std Dev = 0.0019



SUBJECT TEST

Alaska Department of Public Safety
LABORATORY dmt: 100381

Date: 05/03/2011
Time: 10:22:21

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

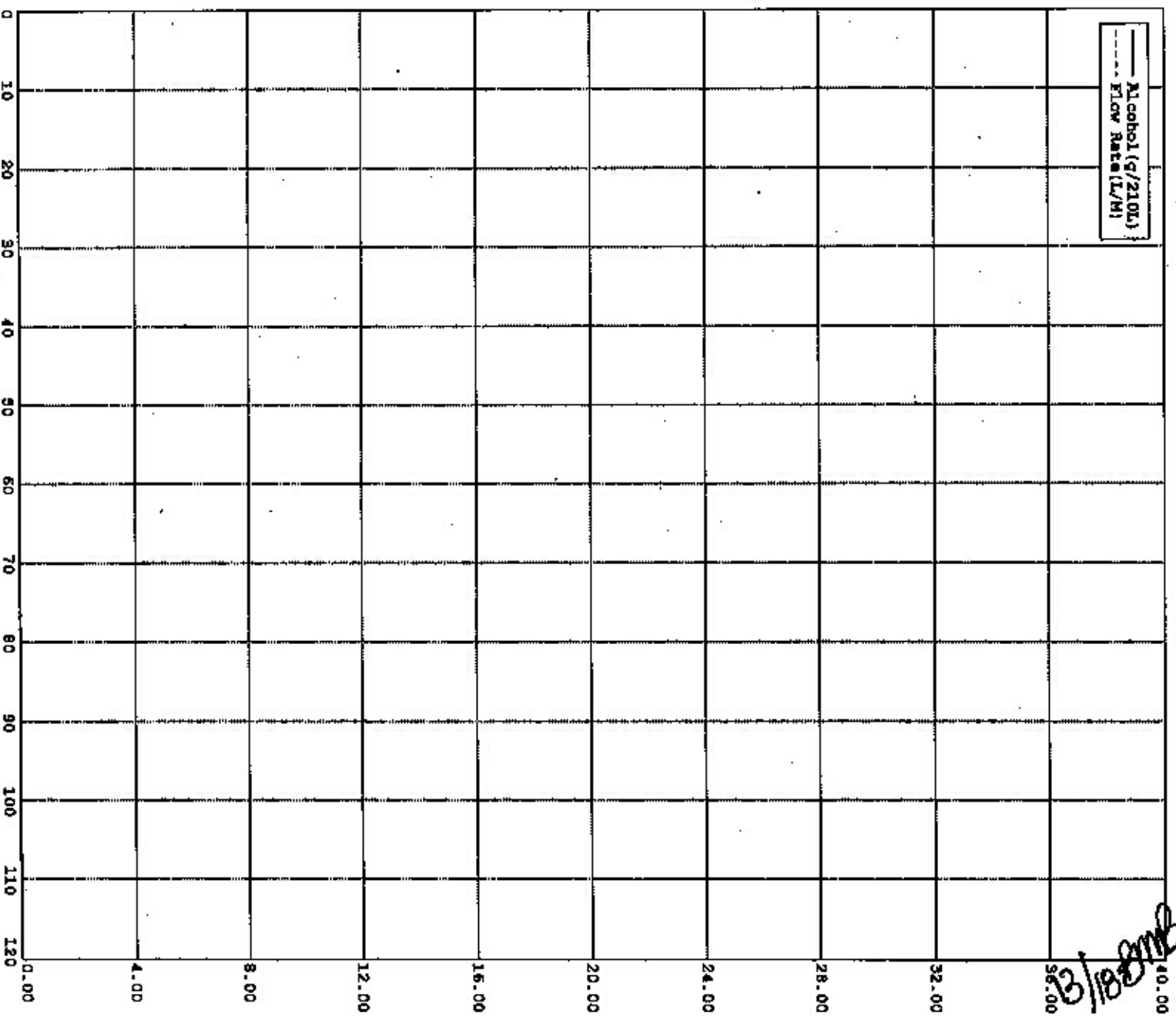
OPERATOR NAME:
INCOMPLETE XXXX
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:24
BLANK TEST	0.000	10:24
INTERNAL STANDARD	VERIFIED	10:24
EXTERNAL STANDARD	0.079	10:24
BLANK TEST	0.000	10:25
SUBJECT SAMPLE	INCOMPLETE	10:27

ESMB



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmc: 100381

Date: 05/03/2011
 Time: 10:30:44

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

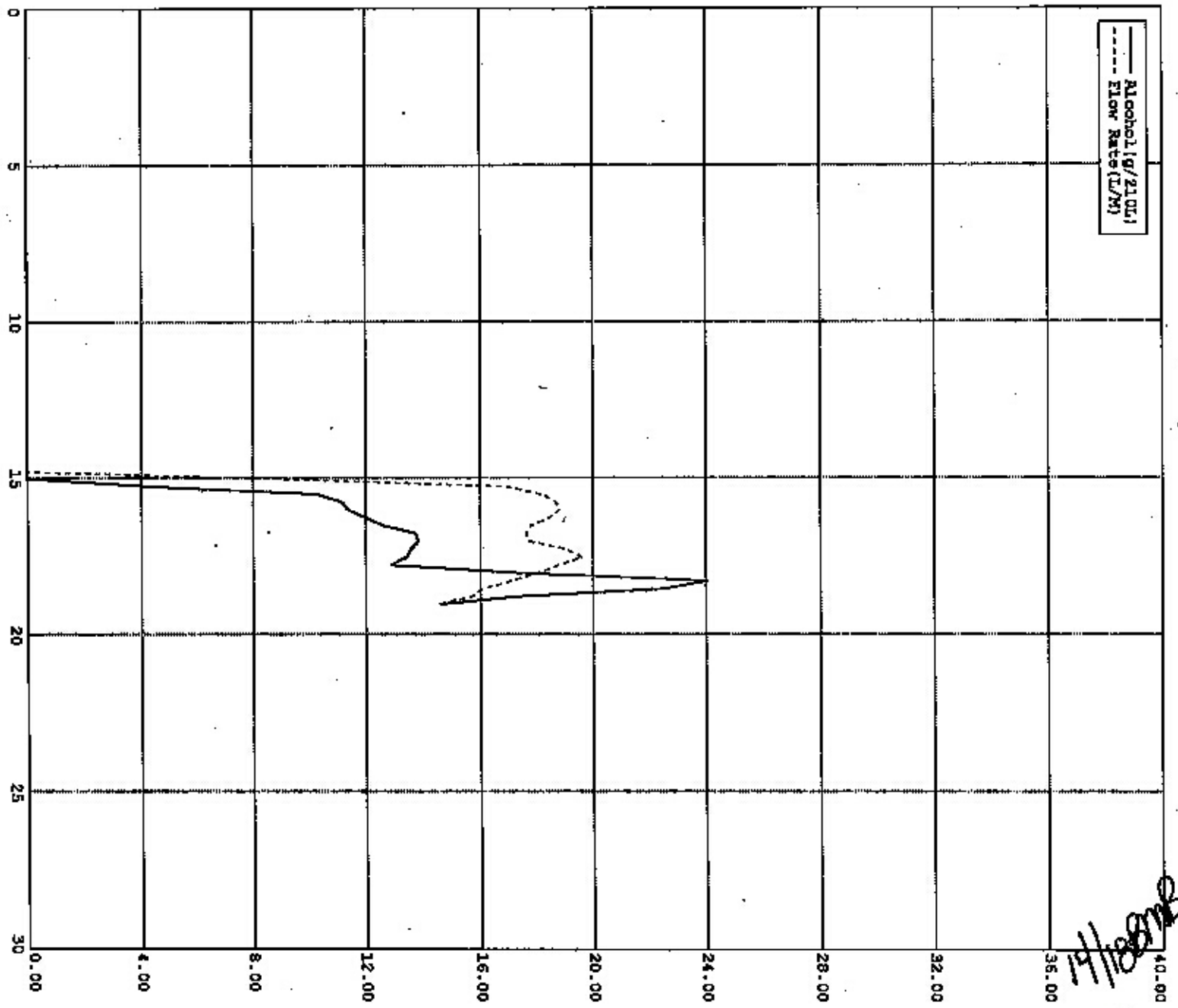
OPERATOR NAME:
 INVALID X XXXX
 OPERATOR'S #: XXXX

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

REFERENCE STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.72: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:31
BLANK TEST	0.000	10:31
INTERNAL STANDARD	VERIFIED	10:32
EXTERNAL STANDARD	0.079	10:32
BLANK TEST	0.000	10:33
SUBJECT SAMPLE	INVALID	10:33

DMB



DMB
 5/3/2011

SUBJECT TEST

Alaska Department of Public Safety
DATEREGISTER ddt: 100381

Date: 05/03/2011
Time: 10:41:16

SUBJECT NAME:
TEST TEST
LICENSE #: INTERFERS

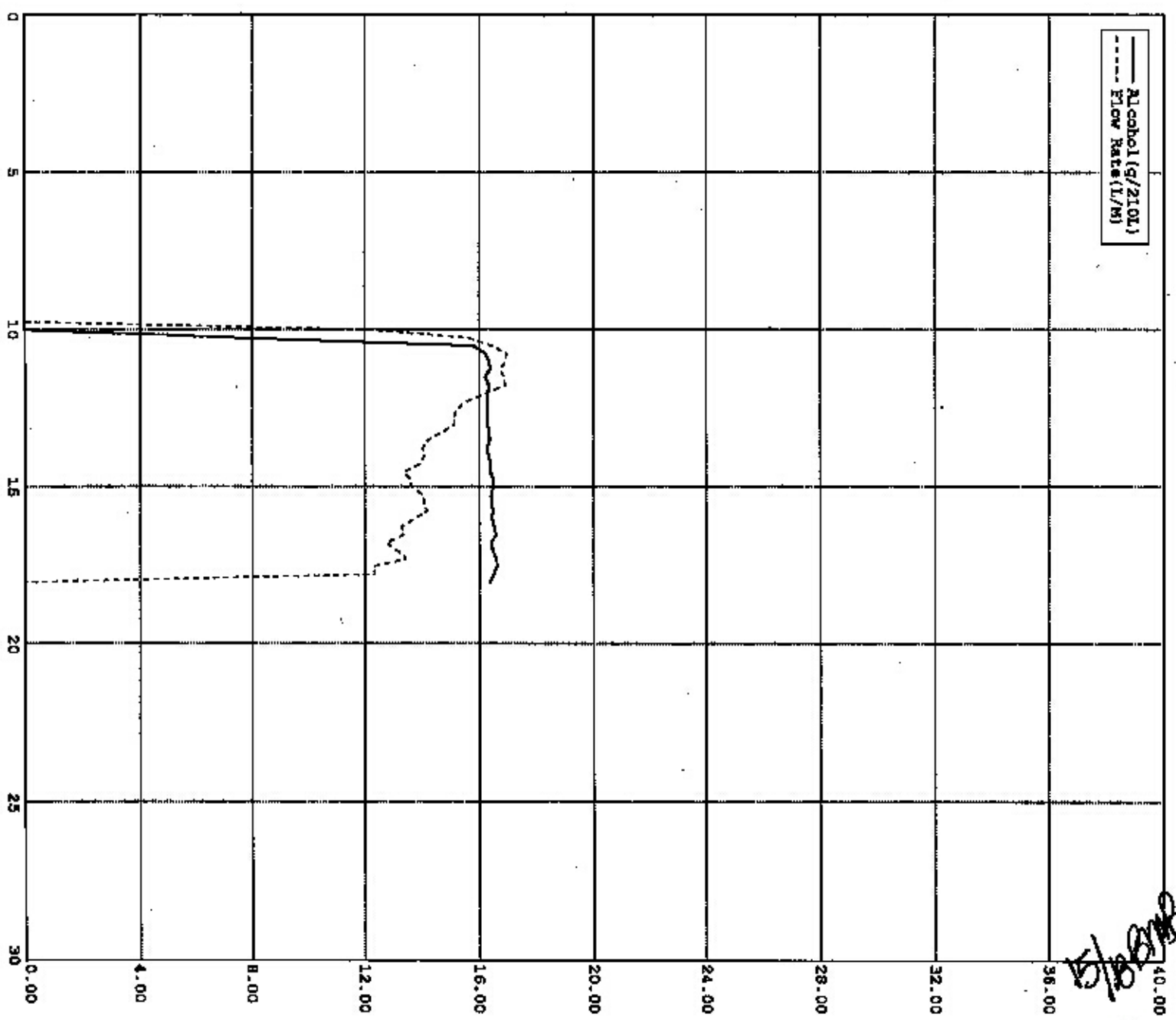
OPERATOR NAME:
ETANOL AND ACETONE
OPERATOR'S #: XXXX

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

INTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.72: 0.079
IOP #: 0251180A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:42
BIANK TEST	0.000	10:42
INTERNAL STANDARD	VERIFIED	10:42
EXTERNAL STANDARD	0.078	10:42
BIANK TEST	0.000	10:43
SUBJECT SAMPLE	INTERFERENCE	10:44

BMP



15/10/2011

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100381

Date: 05/03/2011
 Time: 10:46:01

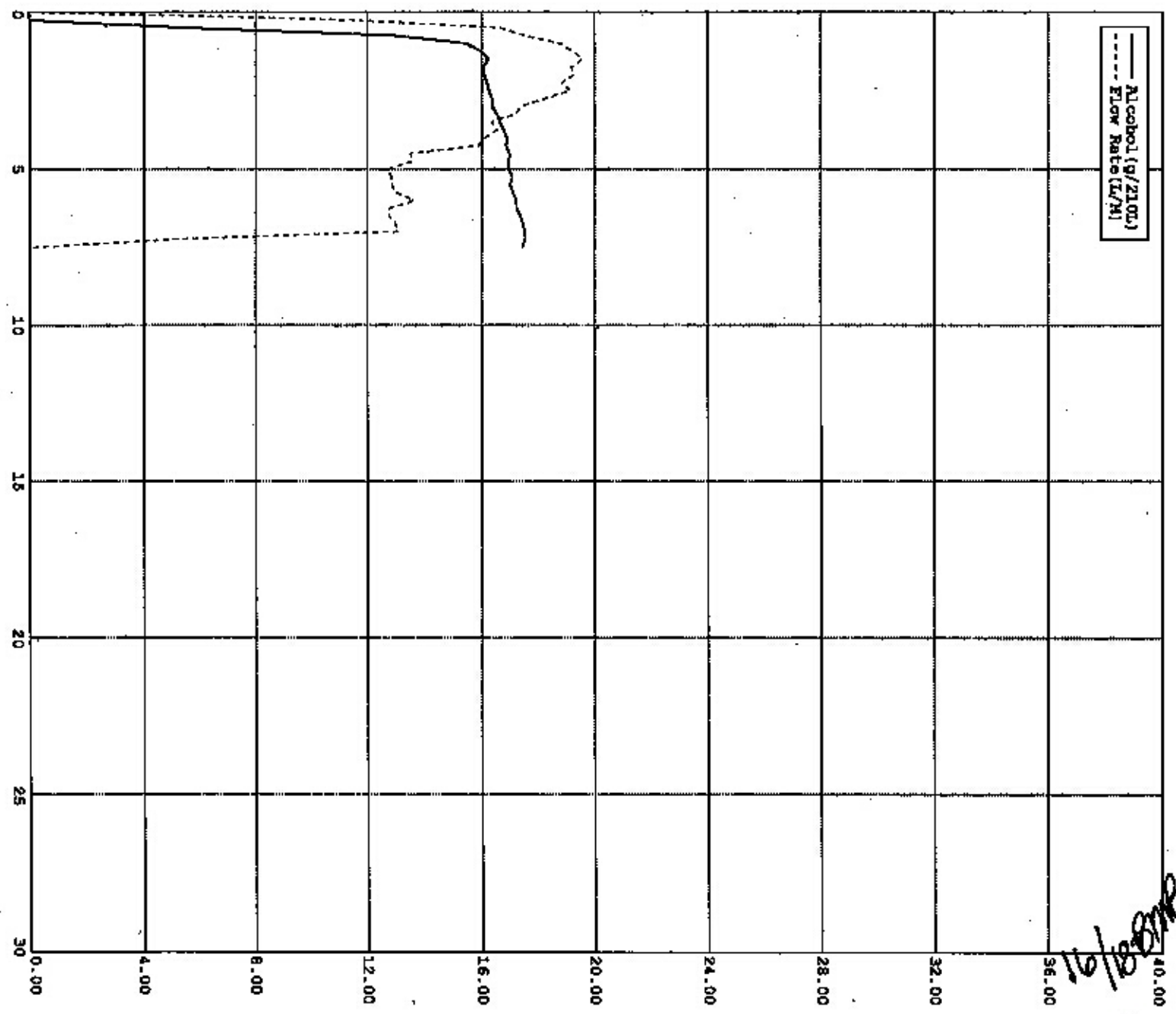
SUBJECT NAME:
 TEST TEST
 LICENSE #: INTERFERE

OPERATOR NAME:
 ETHANOL AND ISOPROPNOL
 OPERATOR'S #: KXKX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.72: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:47
BLANK TEST	0.000	10:47
INTERNAL STANDARD	VERIFIED	10:47
EXTERNAL STANDARD	0.079	10:47
BLANK TEST	0.000	10:48
SUBJECT SAMPLE	INTERFERE	10:48

16/08/11
 BMB

SUBJECT TEST

Alaska Department of Public Safety
 DATABASE dmc: 100381

Date: 05/03/2011
 Time: 10:53:25

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

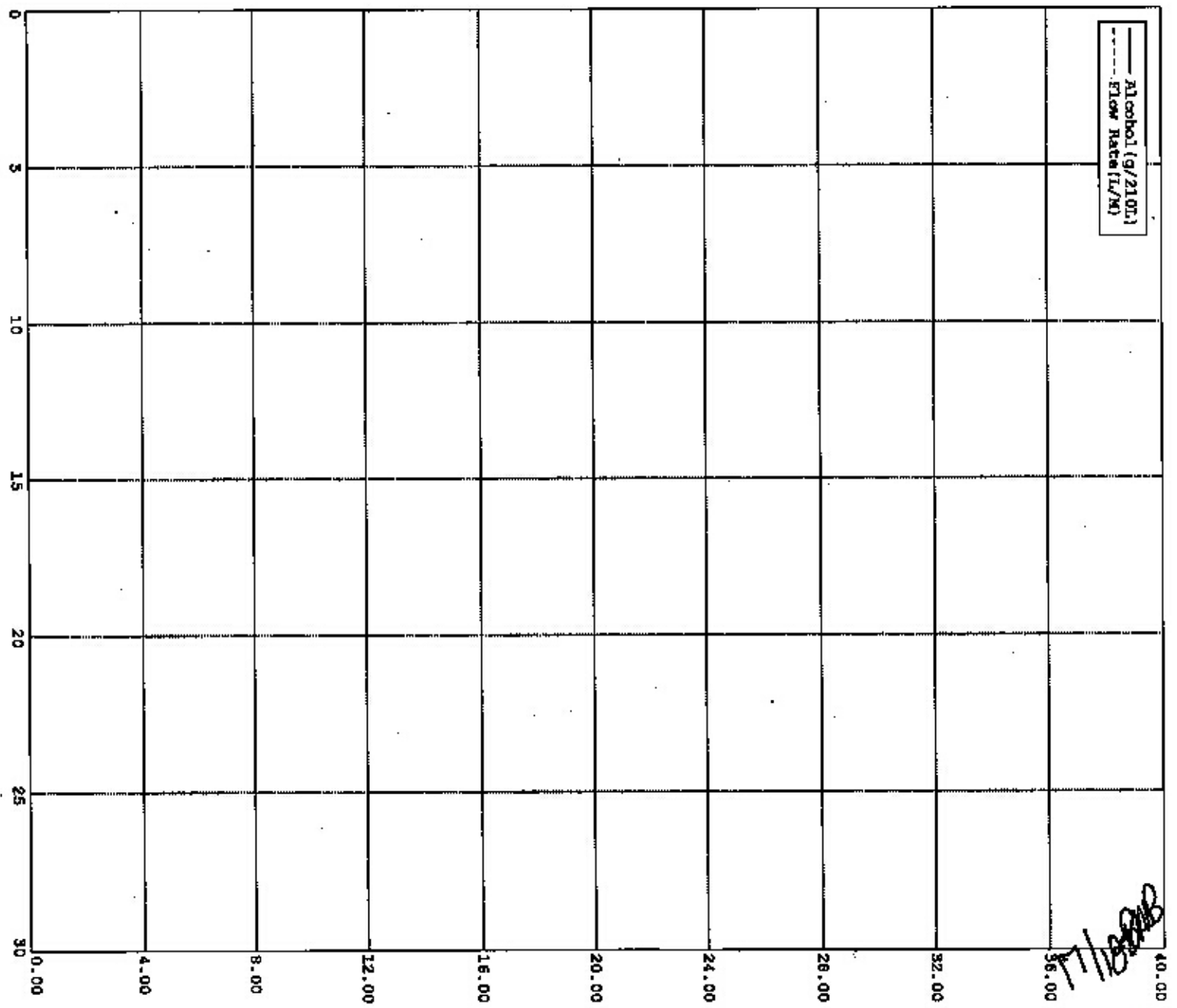
OPERATOR NAME:
 XXX XXX
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 RADIO FREQUENCY INTERFERENCE
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.72: 0.079
 LOT #: 02511080A9
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
 BLANK TEST PASSED 10:54
 INTERNAL STANDARD 0.000 10:54
 EXTERNAL STANDARD VERIFIED 10:54
 0.079 10:55
 BLANK TEST 0.000 10:56

RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmr: 100381

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

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

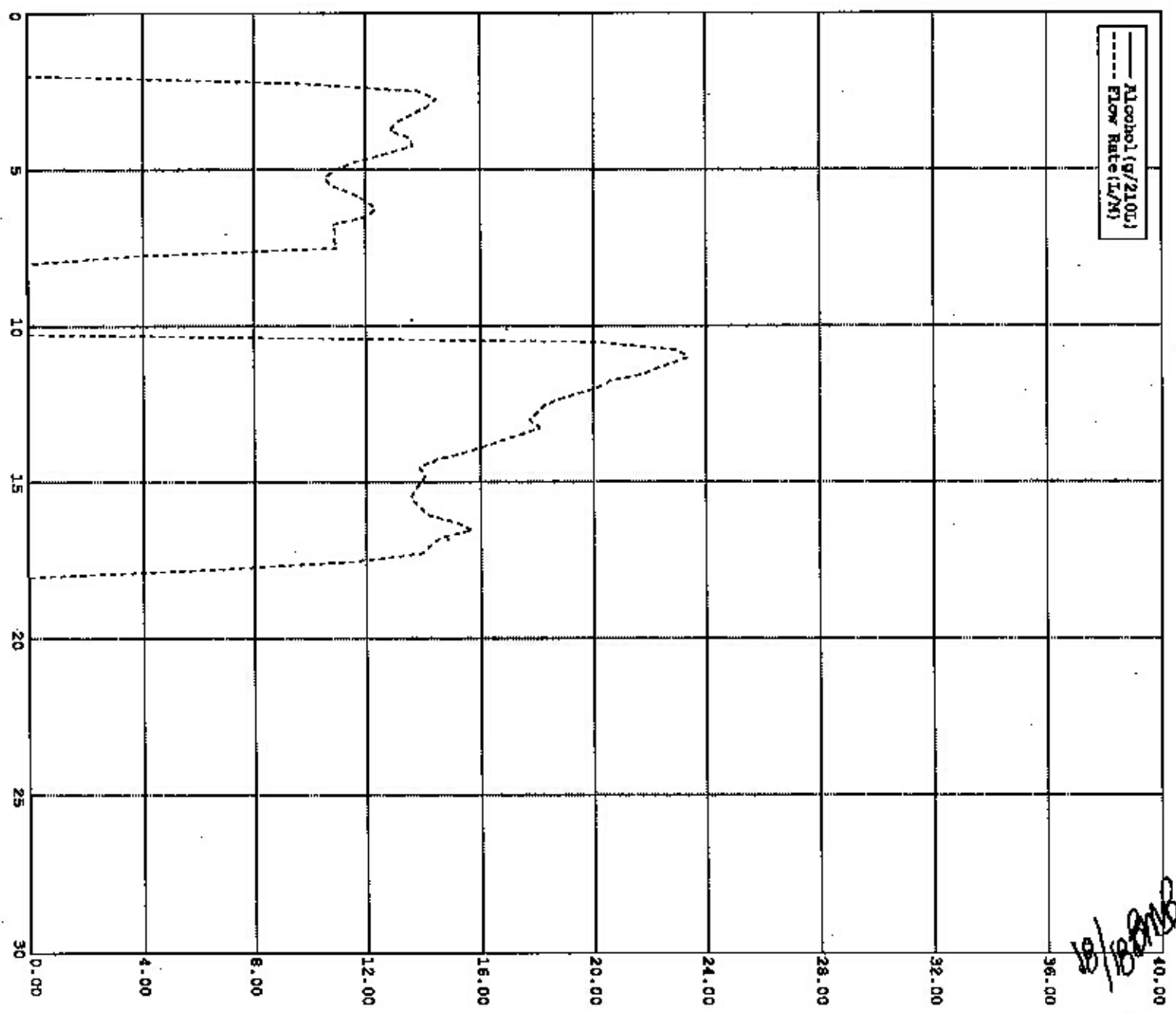
OPERATOR NAME:
 BRANDT M BARRETT
 OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.72: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:12
BLANK TEST	0.000	11:12
INTERNAL STANDARD	VERIFIED	11:12
EXTERNAL STANDARD	0.079	11:12
BLANK TEST	0.000	11:13
SUBJECT SAMPLE	0.000	11:14
BLANK TEST	0.000	11:15
EXTERNAL STANDARD	0.079	11:15
BLANK TEST	0.000	11:16

BMB



10/10/11 BMB

Final page for report

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VANCCLSAN01\JTRAX\CASEDOCS\B-100381\B-100381_ECF-20140

7/3/2014