	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 # 100380

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

Analyst Brandi BarnettDate 5/16/11

- 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 02811200A3 Exp 02/01/2013
 - vi. 0.300g/210L Mnf ILMO 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)

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100380

Date: 05/16/2011
Time: 10:04:19

VERSIONS

DMT: 1.02
PIC: 3.02
Modem: 2.0
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.1°C PASSED
Breath Tube = 46.6°C PASSED

PUMP INFO

Flow Rate = 3.605 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 EMB

Technician Screen

DATAMASTER dnt: 100380

Date: 05/16/2011
Time: 10:18 AM

Temperatures (°C)
Sample Cell: 48.7°C
Breath Tube: 46.1°C

Current Barometer: 29.4 in
Volume (Ltr): 1.47

Settings
Lamp: 1.61 V
Bias: 80 V
Cooler: 1.59 V
Chopper: 528 Hz

Voltages (V)
Flow: 1.03 V
Detector: 0.251 V

3/18 BMB

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dat: 100380

Date: 03/04/2011
Time: 10:42:19

Ca	=	0.1000		
CAL	=	0.981773	0.800	<= CAL < 1.200
b1	=	0.0000	0.0000	<= b1 < 0.0040
b2	=	0.0046	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xq	=	0.0849	0.0500	<= Xq < 0.2000
a21	=	1.212608	1.050	<= a21 < 1.300
a31	=	0.452285	0.300	<= a31 < 0.800

4/18/11 BMB

SUBJECT TEST

Alaska Department of Public Safety
 PALMMASTER dmc: 150380

Date: 05/16/2011
 Time: 10:32:16

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 MONTYAN VOLLM
 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 #: 33609082A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	10:33
INTERNAL STANDARD	VERIFIED	10:33
EXTERNAL STANDARD	0.079	10:33
BLANK TEST	0.000	10:34
SUBJECT SAMPLE	0.000	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.079	10:37
BLANK TEST	0.000	10:38

BMMB



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LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dnt: 100380

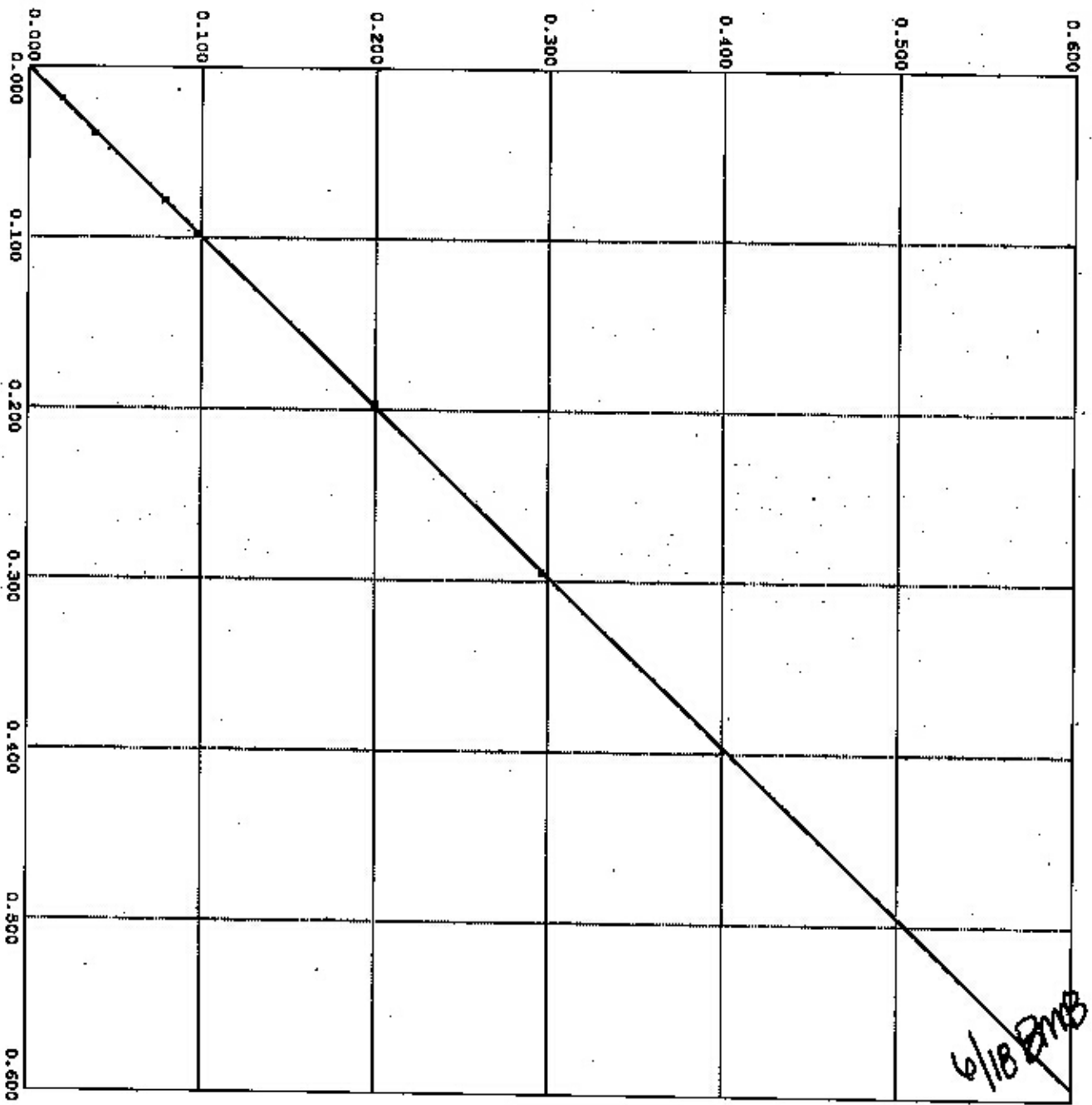
Date: 05/16/2011
 Time: 13:13:45

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.039	0.0390	0.0000
0.078	0.0792	0.0004
0.098	0.0982	0.0004
0.196	0.2000	0.0010
0.294	0.2970	0.0012

SLOPE = 1.012059
 R² = 0.999958

BMB



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dnt: 100380

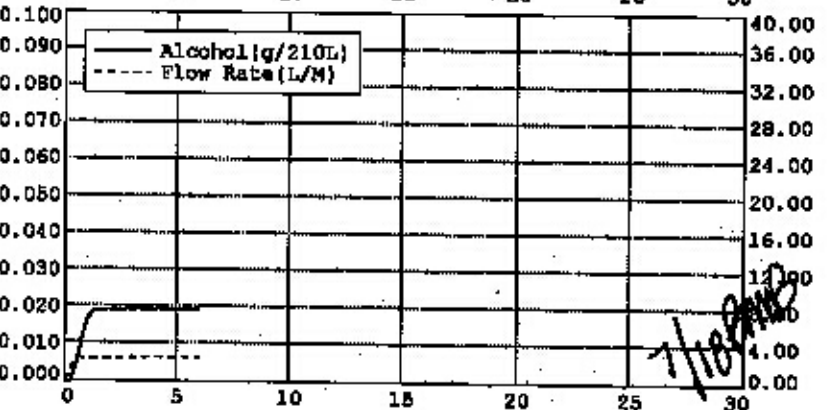
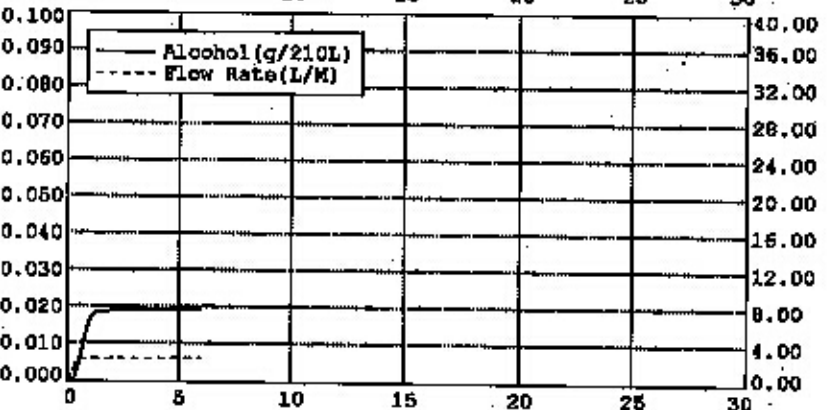
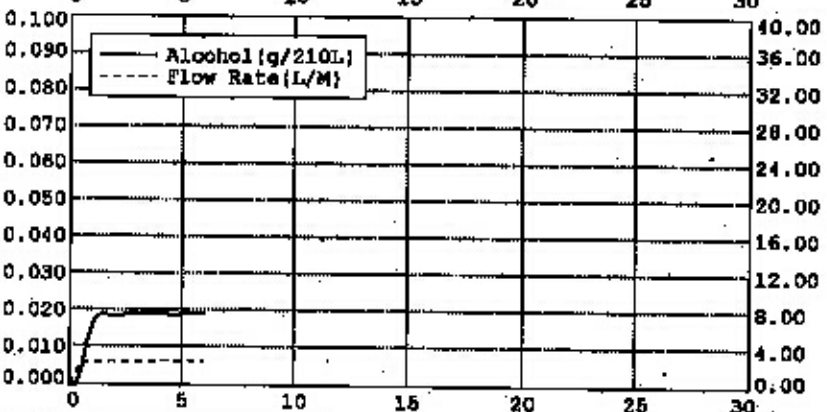
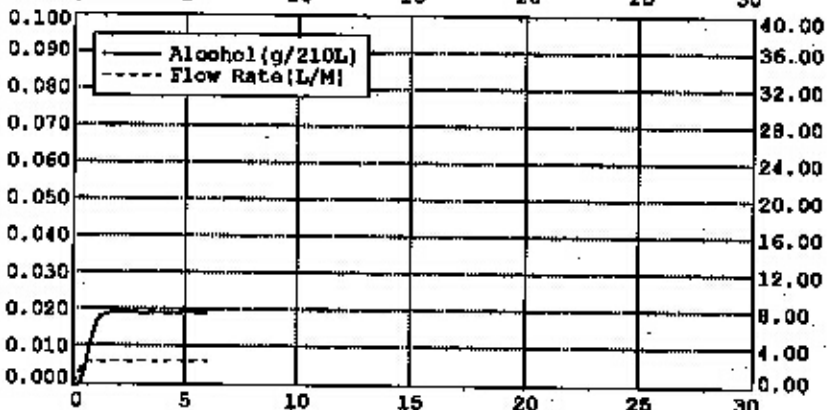
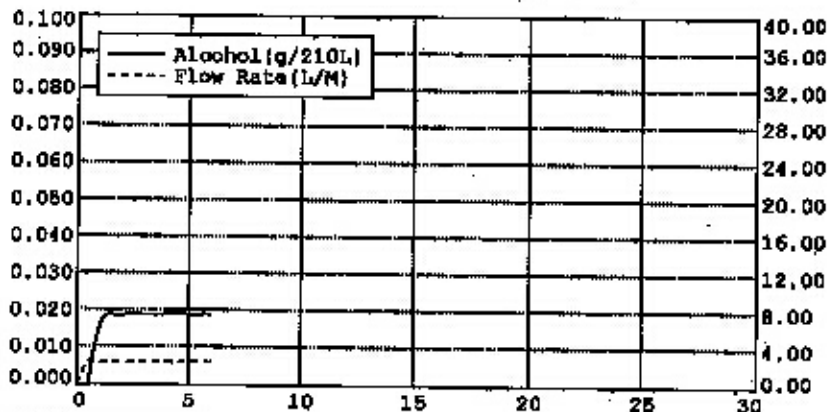
Date: 05/16/2011
 Time: 13:13:46

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.41: 0.019
 LOT #: 02811028A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:14
INTERNAL STANDARD	VERIFIED	13:14
EXTERNAL STANDARD	0.020	13:15
BLANK TEST	0.000	13:16
EXTERNAL STANDARD	0.020	13:16
BLANK TEST	0.000	13:17
EXTERNAL STANDARD	0.020	13:17
BLANK TEST	0.000	13:18
EXTERNAL STANDARD	0.020	13:18
BLANK TEST	0.000	13:19
EXTERNAL STANDARD	0.020	13:19
BLANK TEST	0.000	13:20

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

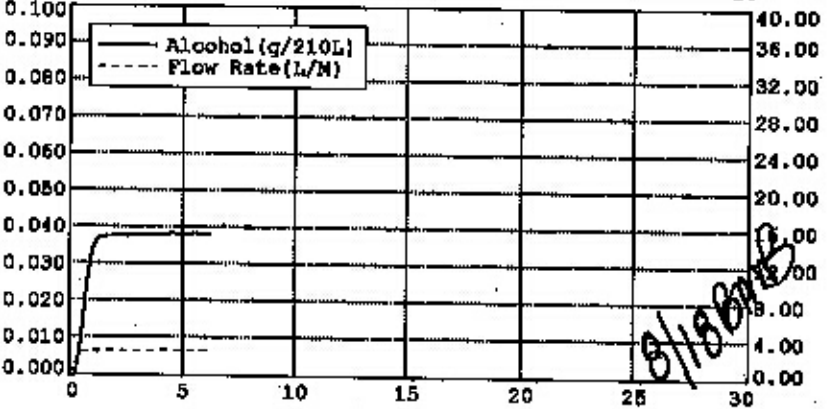
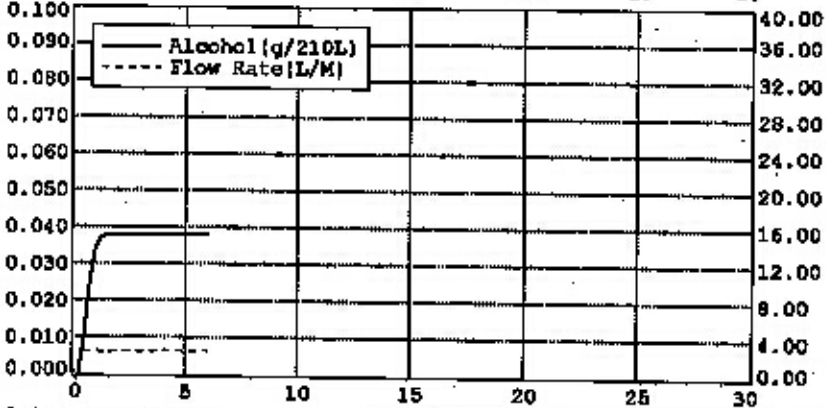
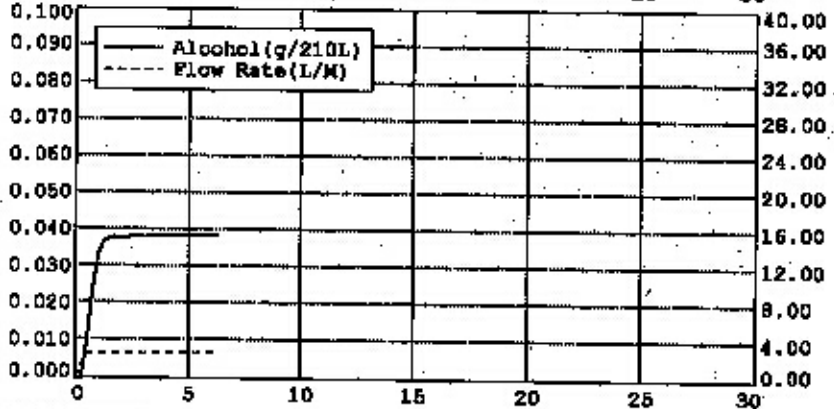
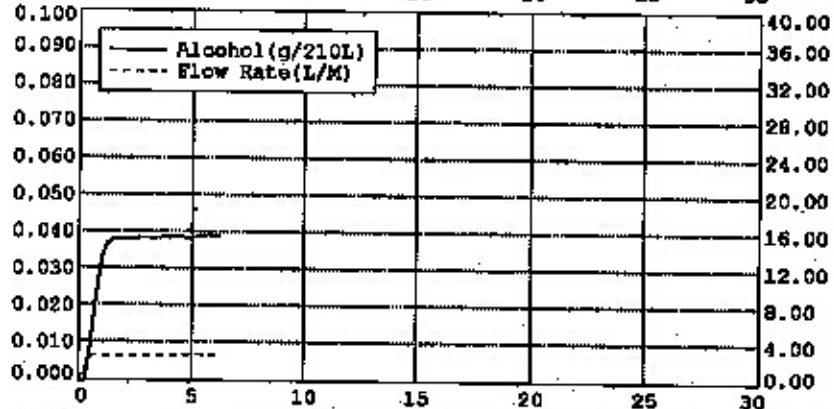
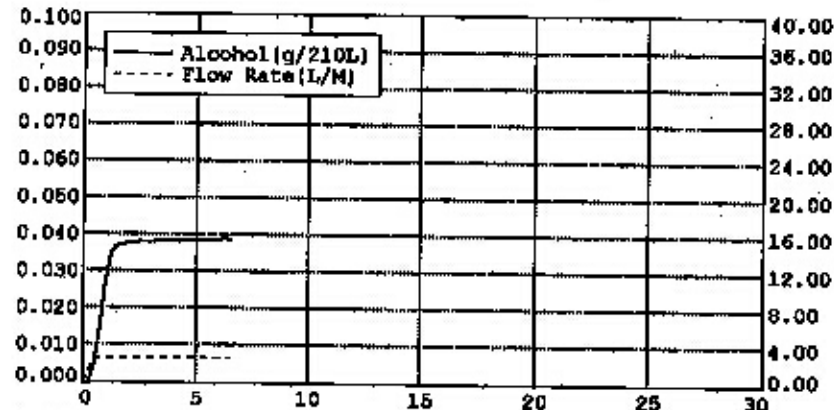
Alaska Department of Public Safety
 DATACASTER chm: 100380

Date: 05/16/2011
 Time: 13:25:08

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.41: 0.039
 LOT #: 02B11040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:26
INTERNAL STANDARD	VERIFIED	13:26
EXTERNAL STANDARD	0.039	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.039	13:27
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.039	13:28
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.039	13:29
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.039	13:31
BLANK TEST	0.000	13:31

Average = 0.0390
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

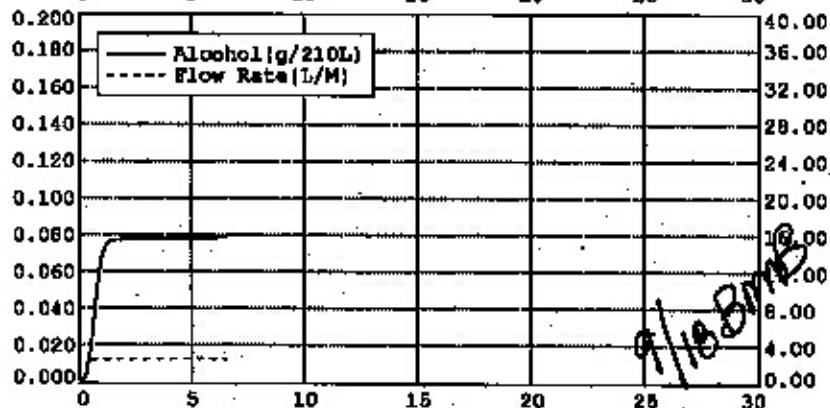
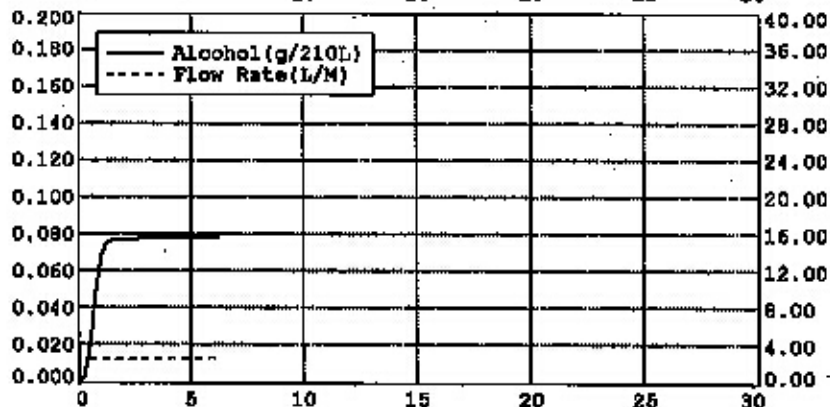
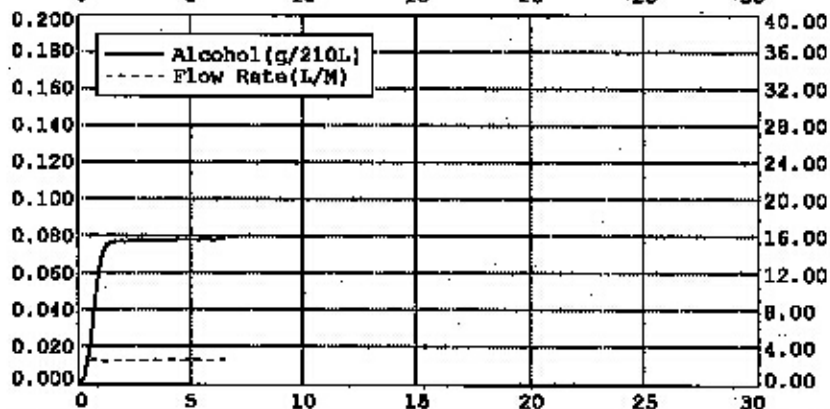
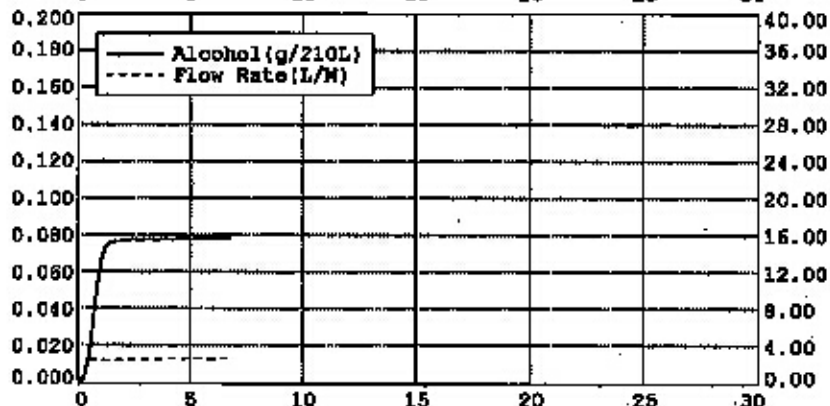
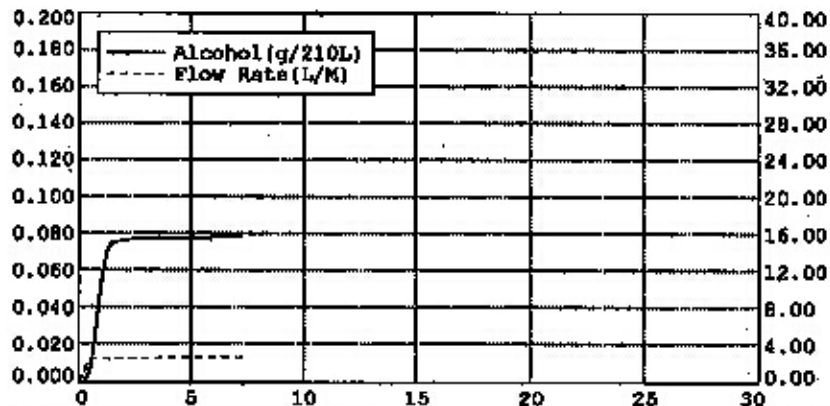
Alaska Department of Public Safety
 DATAMASTER dnt: 100380

Date: 05/16/2011
 Time: 13:45:56

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.40: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:47
INTERNAL STANDARD	VERIFIED	13:47
EXTERNAL STANDARD	0.079	13:48
BLANK TEST	0.000	13:48
EXTERNAL STANDARD	0.079	13:49
BLANK TEST	0.000	13:50
EXTERNAL STANDARD	0.079	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.079	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.080	13:52
BLANK TEST	0.000	13:53

Average = 0.0792
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dnt: 100380

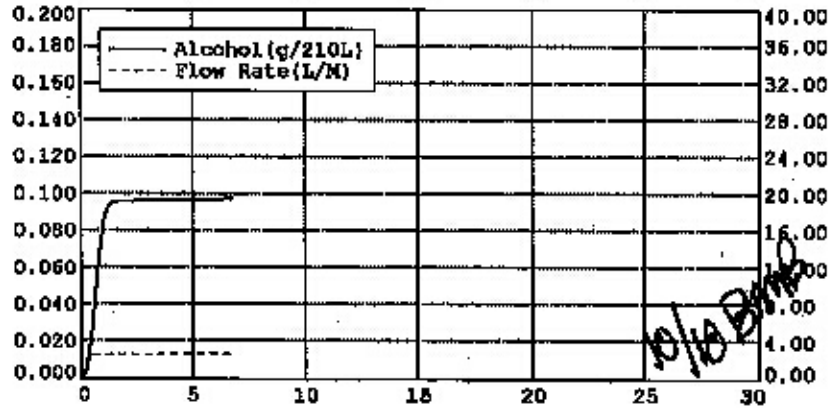
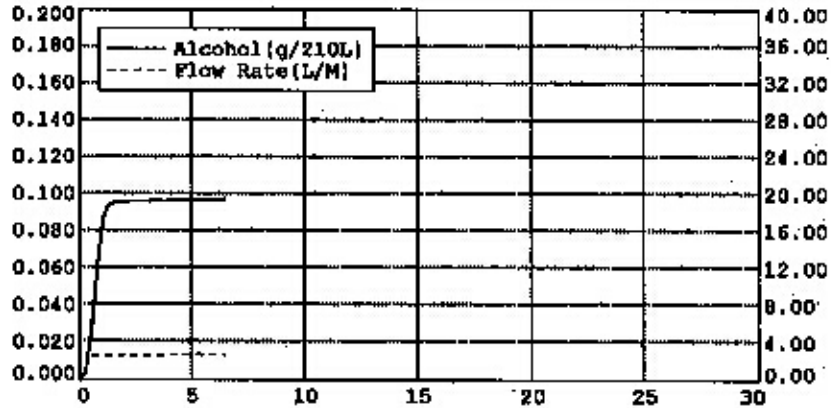
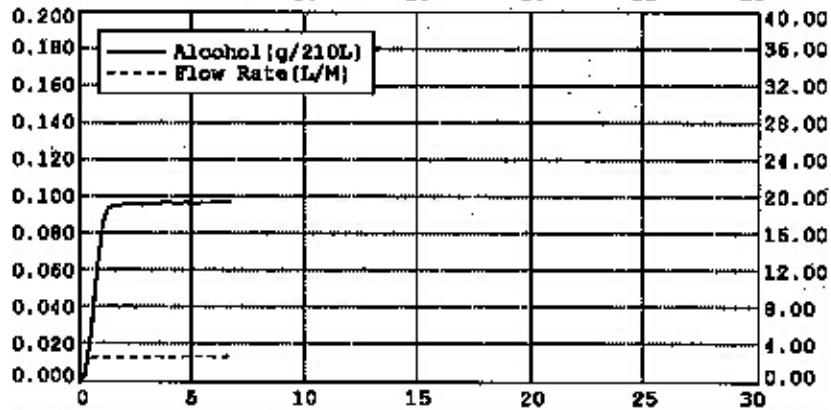
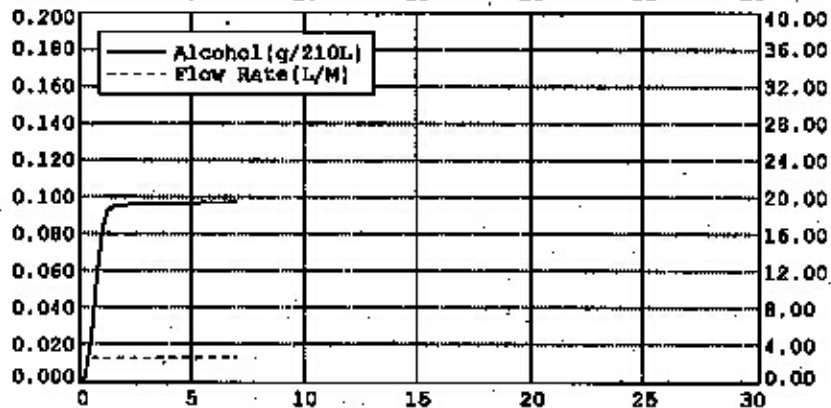
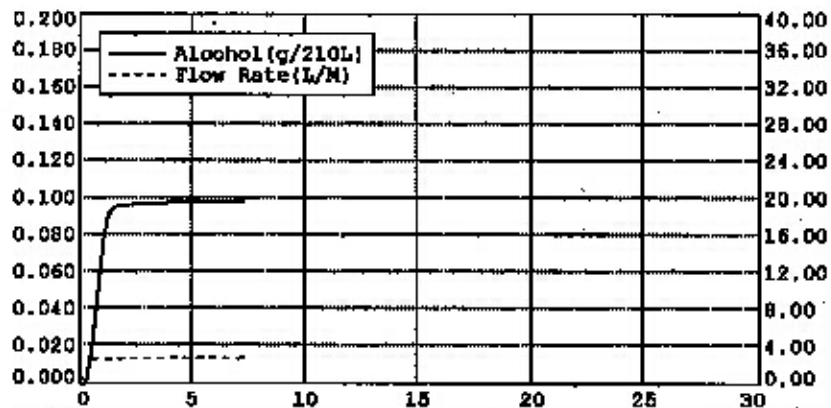
Date: 05/16/2011
 Time: 13:56:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.41: 0.098
 LOT #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:57
INTERNAL STANDARD	VERIFIED	13:57
EXTERNAL STANDARD	0.099	13:58
BLANK TEST	0.000	13:59
EXTERNAL STANDARD	0.098	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.098	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.098	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.098	14:02
BLANK TEST	0.000	14:03

Average = 0.0982
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

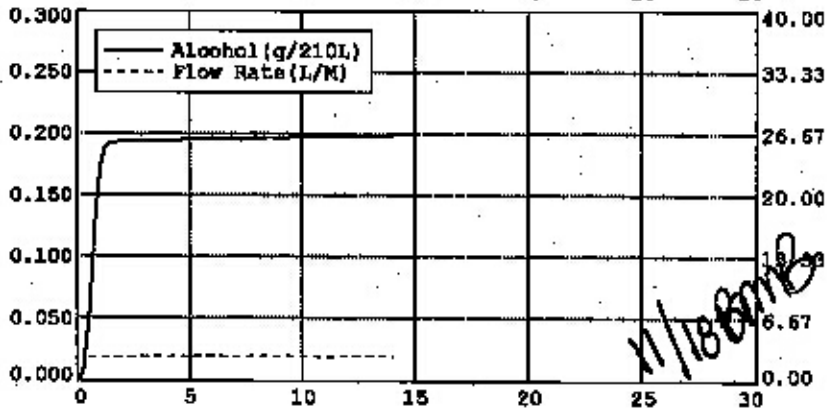
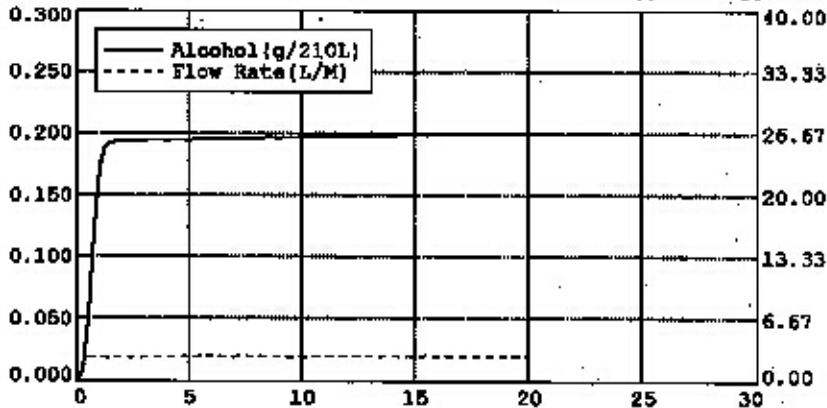
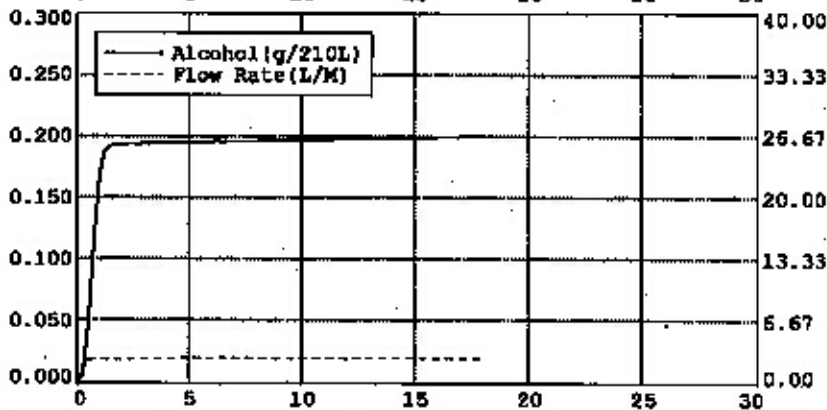
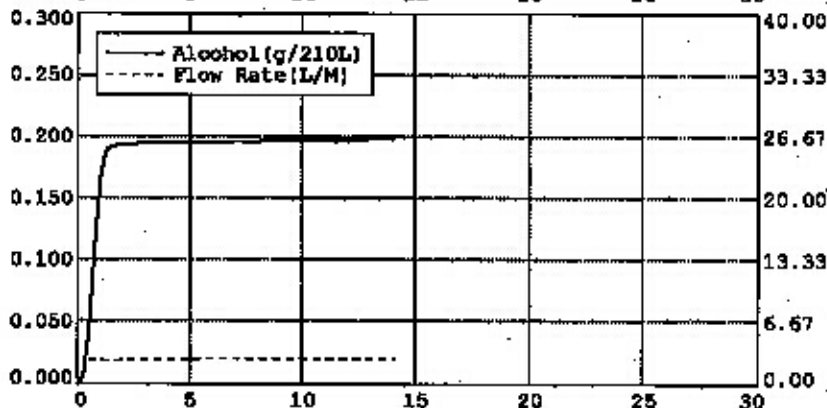
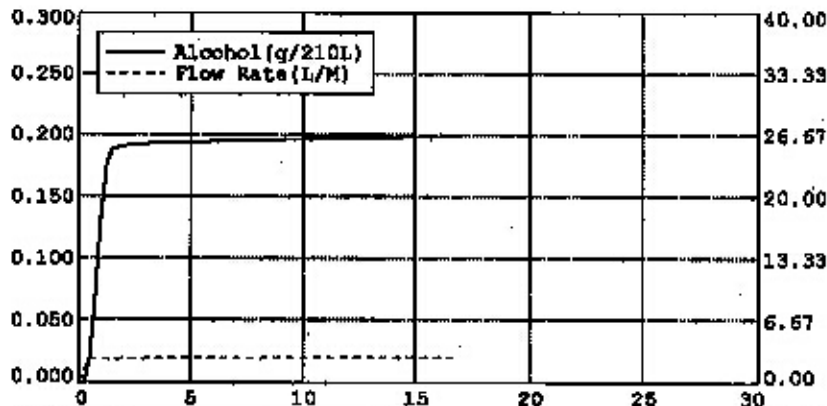
Alaska Department of Public Safety
 DATAMASTER dmt, 100380

Date: 05/16/2011
 Time: 14:09:20

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.41: 0.196
 LOT #: 02811200A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:10
INTERNAL STANDARD	VERIFIED	14:10
EXTERNAL STANDARD	0.200	14:10
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.199	14:12
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.201	14:13
BLANK TEST	0.000	14:15
EXTERNAL STANDARD	0.201	14:15
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.199	14:17
BLANK TEST	0.000	14:18

Average = 0.2000
 Std Dev = 0.0010



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dot: 100380

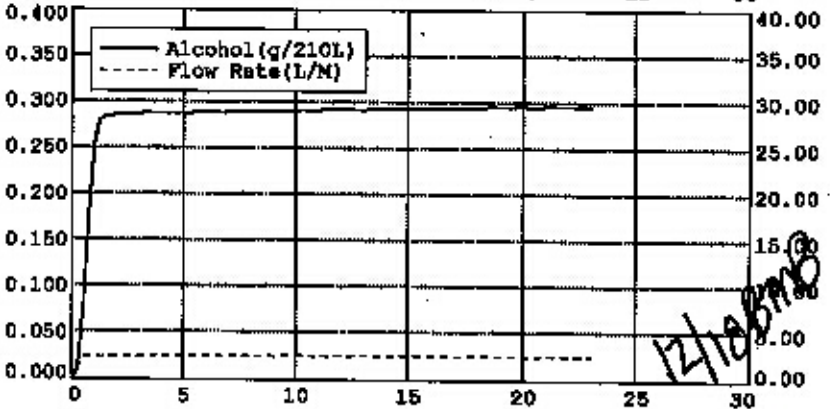
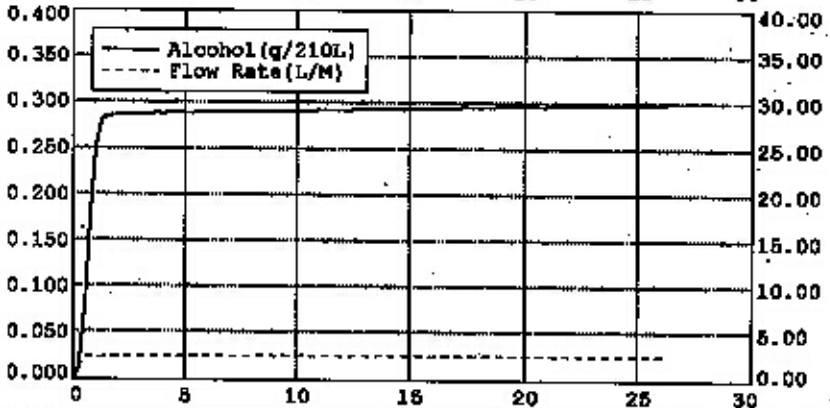
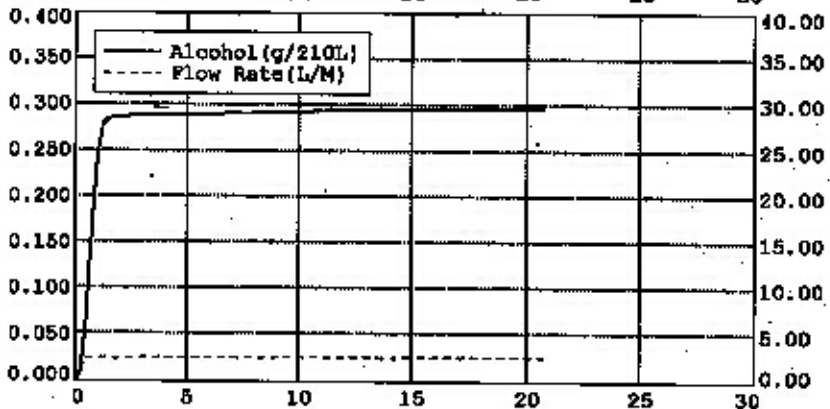
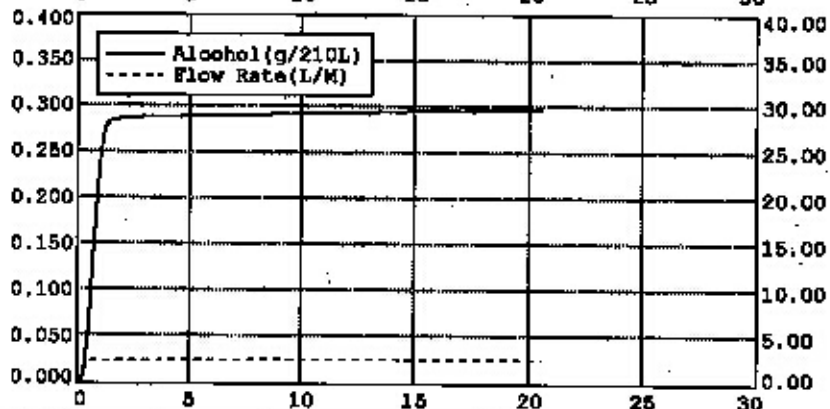
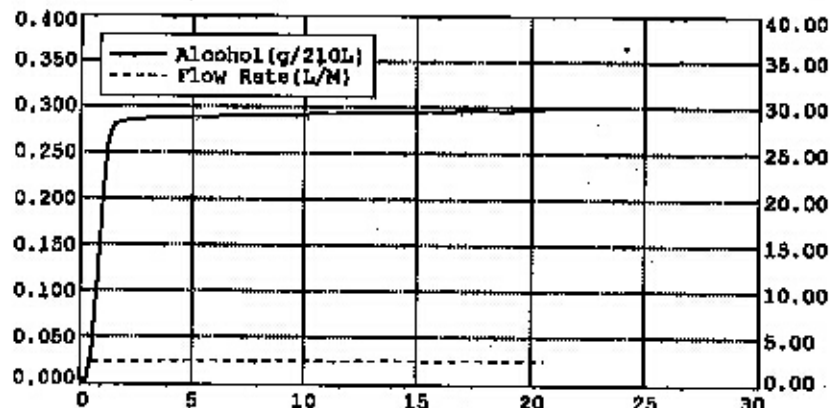
Date: 05/16/2011
Time: 14:26:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.40: 0.294
LOT #: 07611300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:28
INTERNAL STANDARD	VERIFIED	14:28
EXTERNAL STANDARD	0.297	14:28
BLANK TEST	0.000	14:29
EXTERNAL STANDARD	0.296	14:30
BLANK TEST	0.000	14:31
EXTERNAL STANDARD	0.297	14:32
BLANK TEST	0.000	14:33
EXTERNAL STANDARD	0.299	14:33
BLANK TEST	0.000	14:35
EXTERNAL STANDARD	0.296	14:35
BLANK TEST	0.000	14:36

Average = 0.2970
Std Dev = 0.0012



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100380

Date: 05/16/2011
 Time: 14:41:24

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

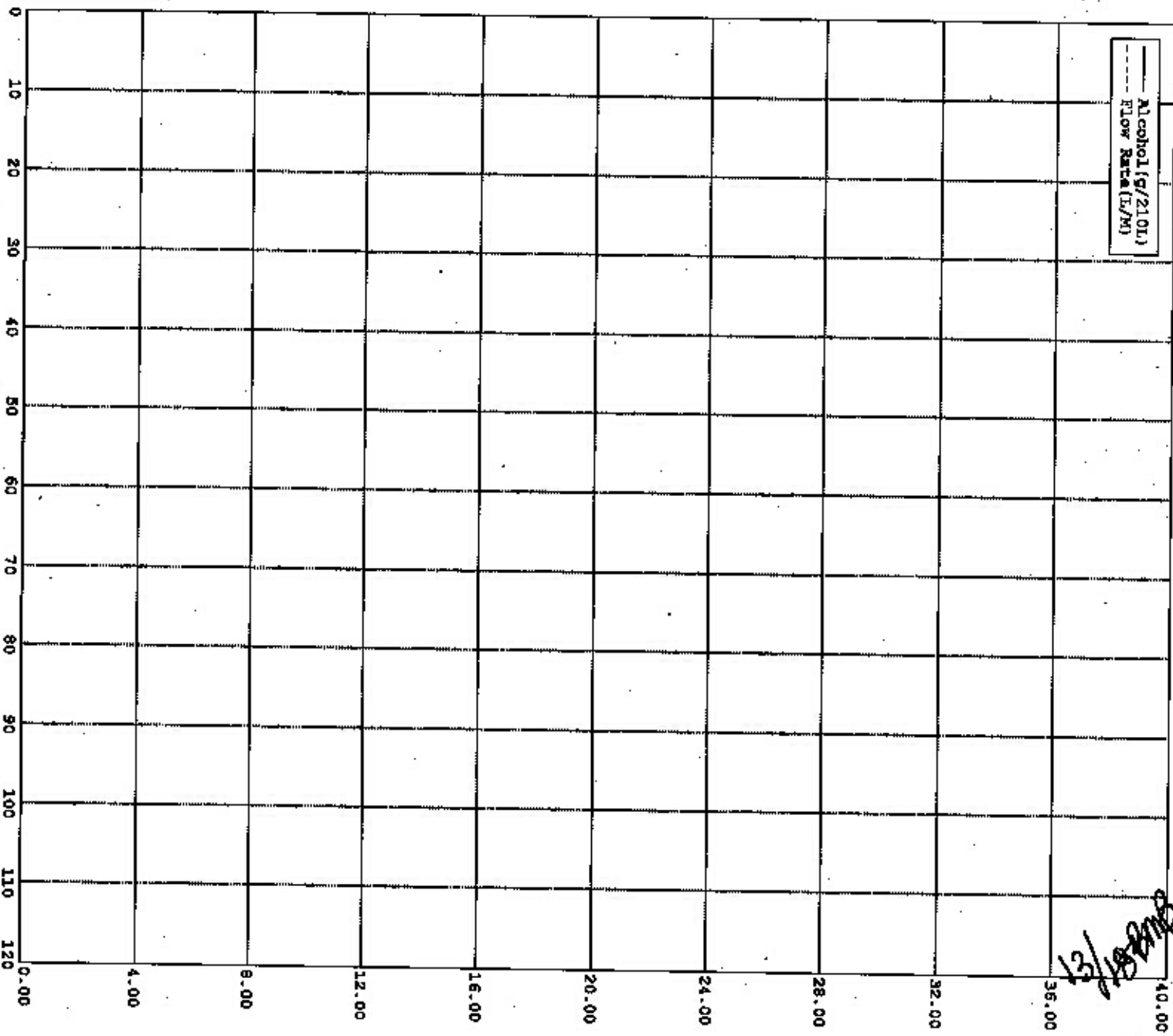
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT: 29.41: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIMENSIONAL CHECK	PASSED	14:42
BLANK TEST	0.000	14:42
INTERNAL STANDARD	VERIFIED	14:42
EXTERNAL STANDARD	0.079	14:43
BLANK TEST	0.000	14:44
SUBJECT SAMPLE	INCOMPLETE	14:46

BSMB



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dmt: 100380

Date: 05/16/2011
 Time: 14:48:12

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

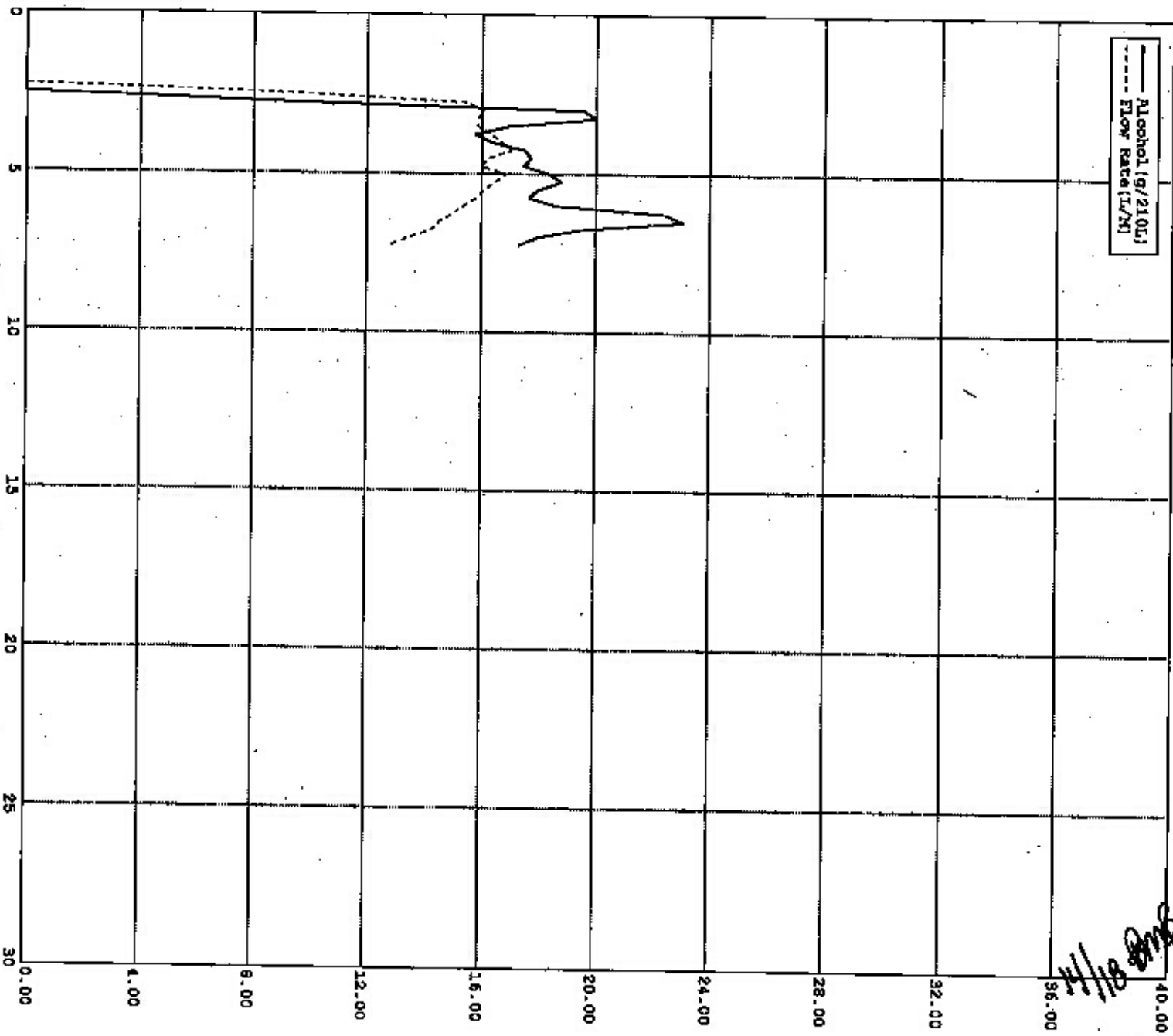
OPERATOR NAME:
 INVALID XXX
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 KNOWN MONTH ALCOHOL
 CASE/REPORT: XXXX
 TEST TYPE: TEST

INTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.41: 0.078
 LOT #: 3360908001
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:49
BLANK TEST	0.000	14:49
INTERNAL STANDARD	VERIFIED	14:49
EXTERNAL STANDARD	0.079	14:49
BLANK TEST	0.000	14:50
SUBJECT SAMPLES	INVALID	14:50

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5/18/11 BMB

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100380

Date: 05/16/2011
 Time: 15:04:25

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTERFERE

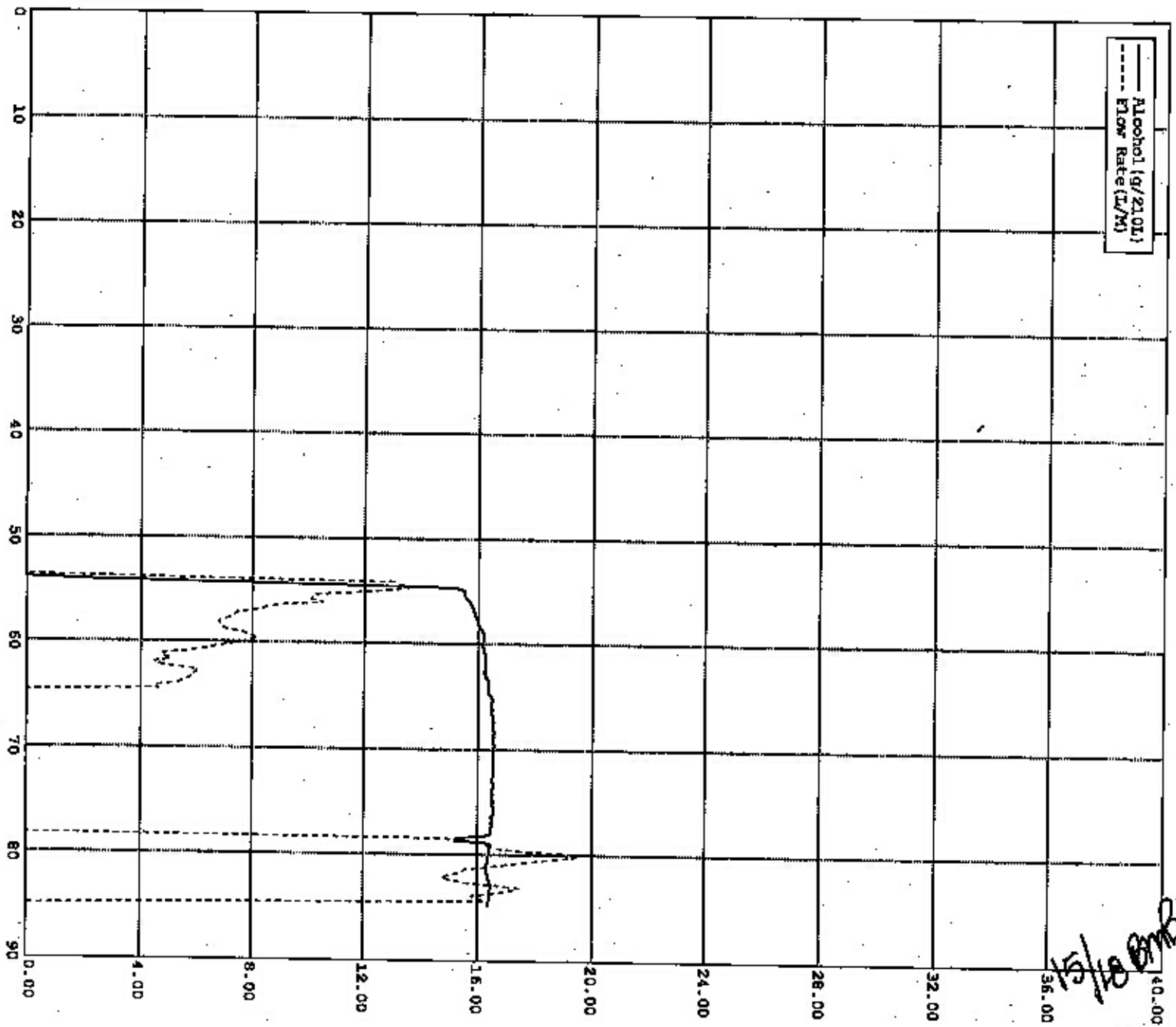
OPERATOR NAME:
 HERVOL AND ACHTONE
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.41: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	15:05
BLANK TEST	0.000	15:05
INTERNAL STANDARD	VERIFIED	15:05
EXTERNAL STANDARD	0.078	15:05
BLANK TEST	0.000	15:06
SUBJECT SAMPLE	INTERFERENCE	15:08

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Handwritten signature and date: BMB 5/16/11

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100380

Date: 05/16/2011
Time: 15:10:42

SUBJECT NAME:
TEST TEST
LICENSE #: INTERFERE

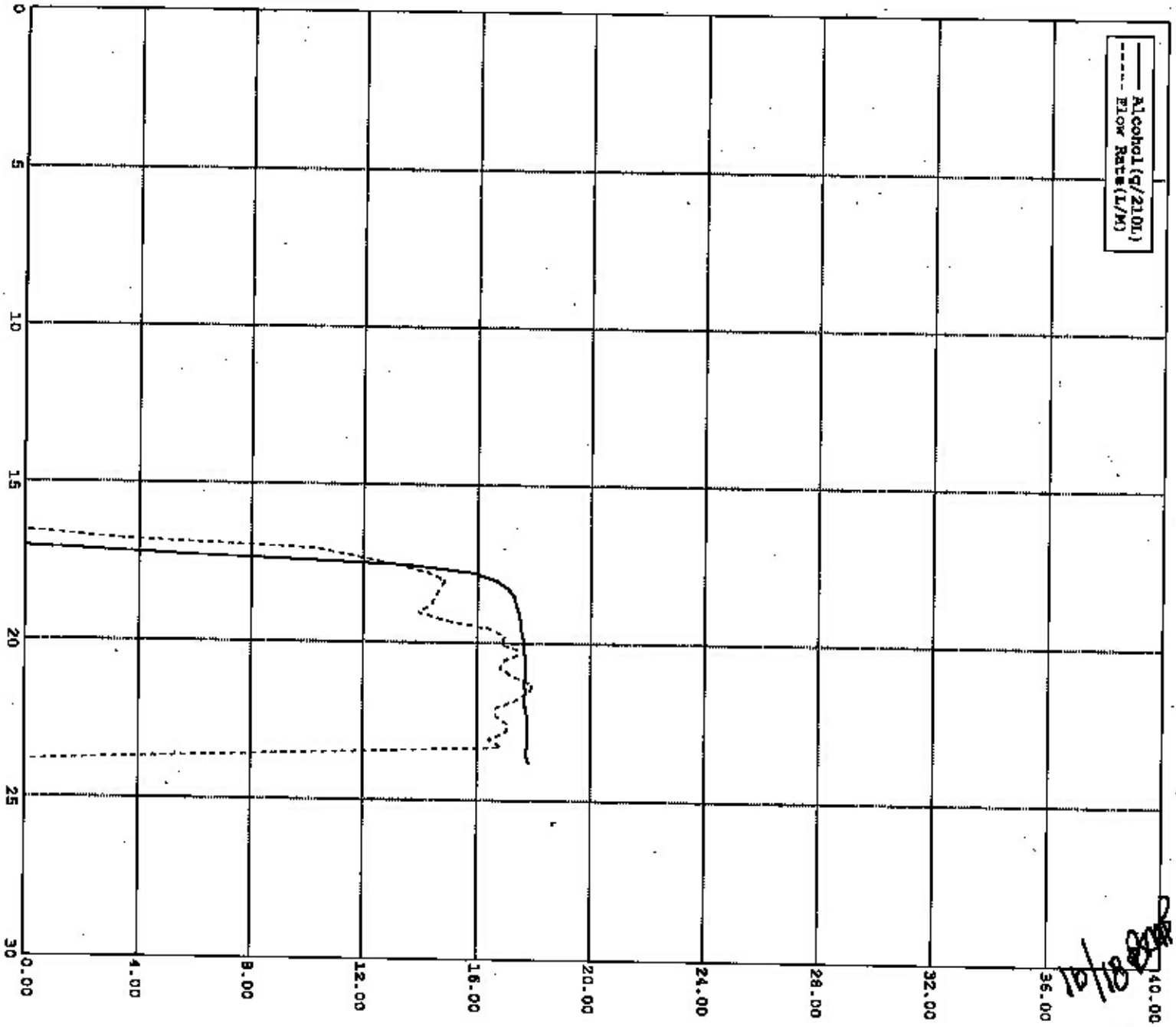
OPERATOR NAME:
EHEANOL AND ISOPROPANOL
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.41: 0.079
LOT #: 33609080A1
EXPIRATION: 01/01/2012

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

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05/17/11

SUBJECT TEST

Alaska Department of Public Safety
 DATAWASTER dmt: 100380

Date: 05/16/2011
 Time: 14:59:38

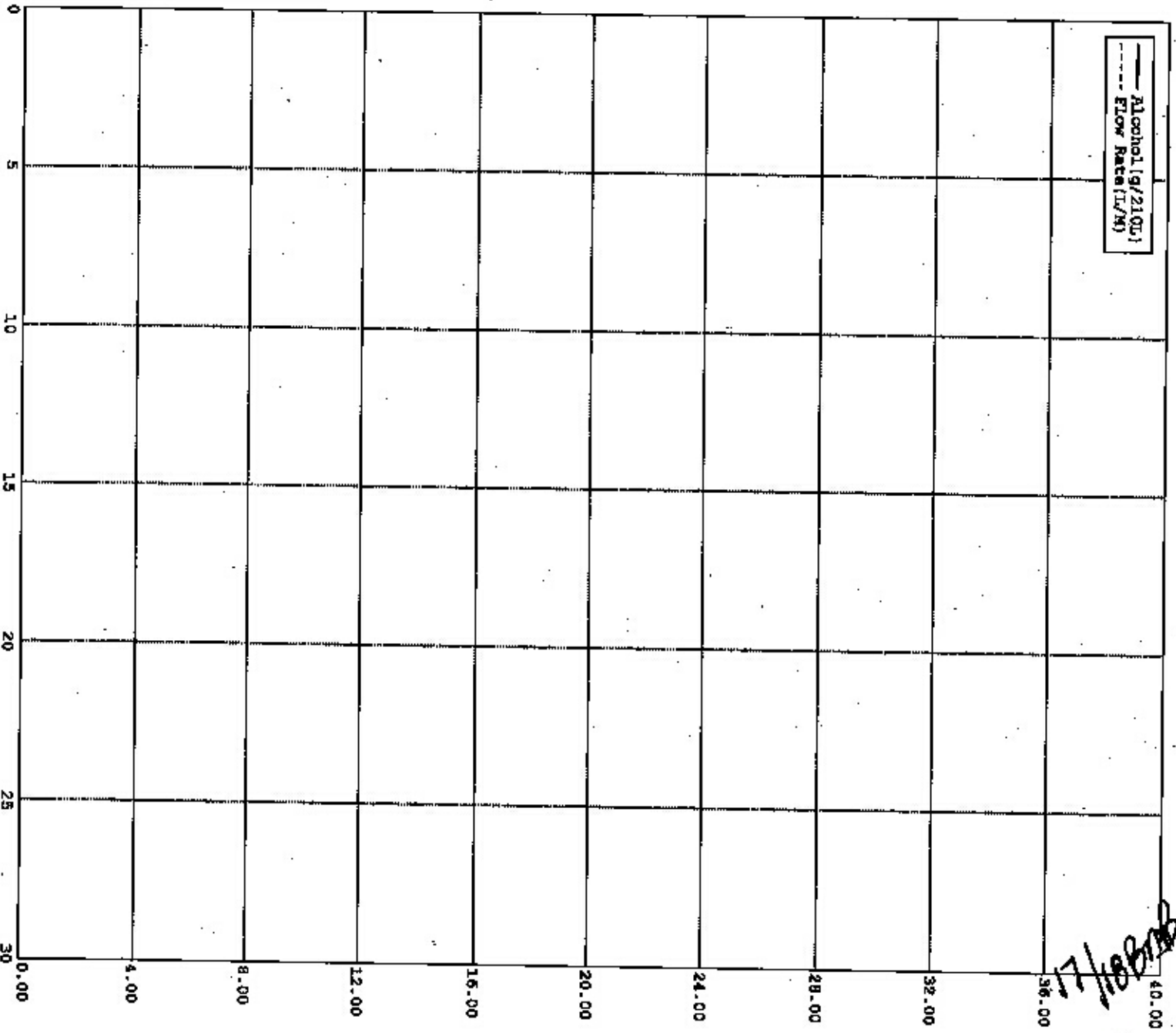
SUBJECT NAME:
 TEST TEST
 LICENSE #: REI

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

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

EXTERNAL STANDARD INFORMATION
 MORTAL: 0.080
 TARGET AT 29.41: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK
 BLANK TEST PASSED 15:00
 INTERNAL STANDARD 0.000 15:00
 EXTERNAL STANDARD VERIFIED 0.078 15:01
 BLANK TEST 0.000 15:02
 RET Detected



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dnt: 100380

Date: 05/16/2011
 Time: 15:26:35

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

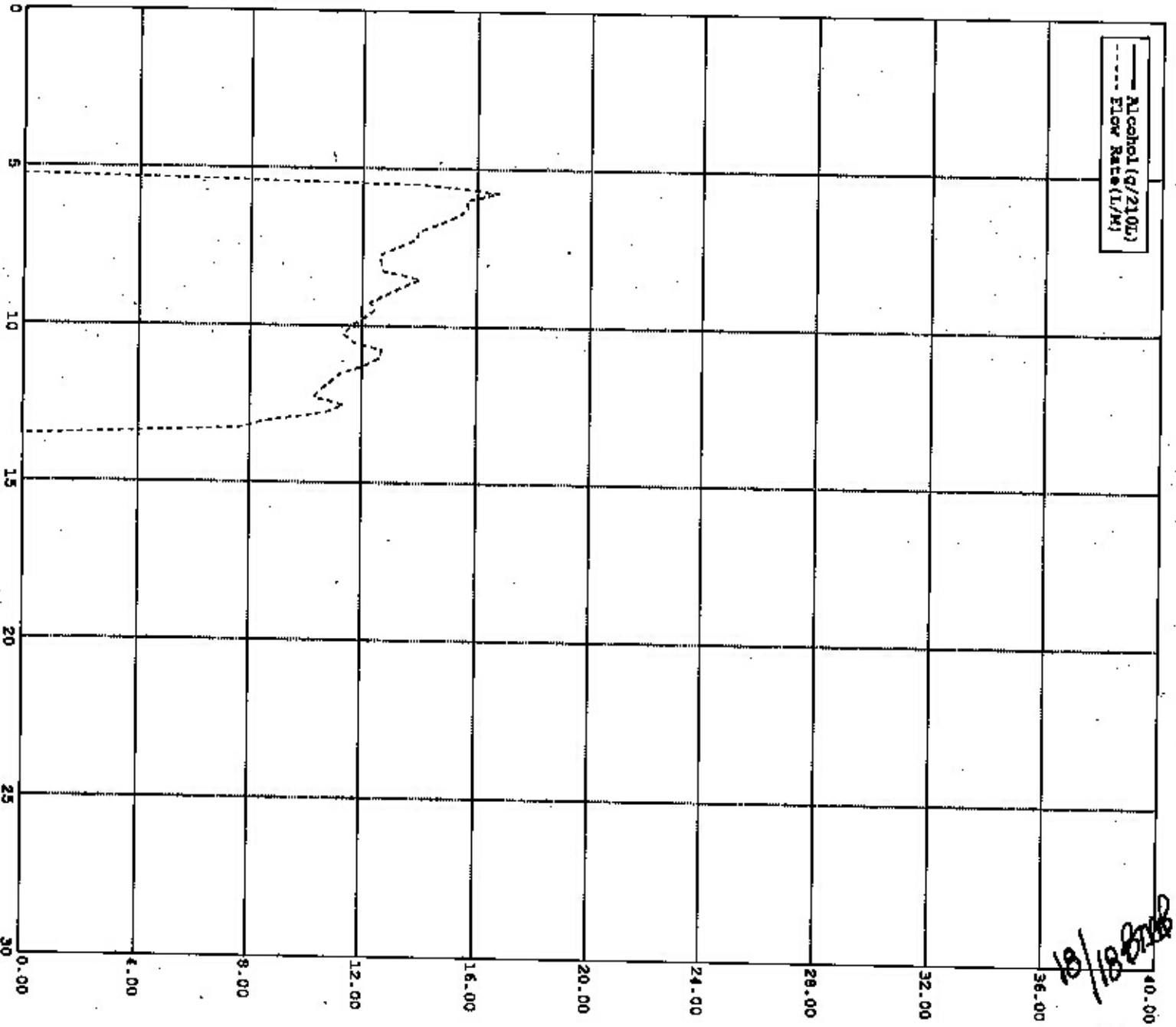
OPERATOR NAME:
 BRANDI M BARNETT
 OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.40: 0.078
 LOT #: 33608080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	15:28
BLANK TEST	0.000	15:28
INTERNAL STANDARD	VERIFIED	15:28
EXTERNAL STANDARD	0.078	15:28
BLANK TEST	0.000	15:28
SUBJECT SAMPLE	0.000	15:29
BLANK TEST	0.000	15:29
EXTERNAL STANDARD	0.000	15:30
BLANK TEST	0.079	15:30
BLANK TEST	0.000	15:31

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05/18/2011

Final page for report

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