

	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 # 100392Analyst Brandi BarnettDate 4/5/11

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 152 10020A1 Exp 07/01/2012
 - ii. 0.040g/210L Mnf ILMO Lot 152 10040A2 Exp 07/01/2012
 - iii. 0.080g/210L Mnf ILMO Lot 33609080A1 Exp 01/01/2012
 - iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 03/01/2013
 - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/1/2013
 - vi. 0.300g/210L Mnf ILMO Lot 07411300A1 Exp 3/1/2013
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 8/4/2010 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: 100392

Date: 04/05/2011
Time: 15:43:52

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 46.9°C	PASSED

PUMP INFO

Flow Rate = 5.029 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
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Technician Screen

DATAMASTER dnt: 100392

Date: 04/05/2011

Time: 1:47 PM

Temperatures (°C)

Sample Cell: 49.4°C

Breath Tube: 47.2°C

Current Barometer 29.3 in

Volume (Ltr) 1.52

Settings

Lamp: 1.65 V

Bias: 79 V

Cooler: 1.60 V

Chopper: 526 Hz

Voltages (V)

Flow: 1.05 V

Detector: 0.492 V

3/10/11 MB

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100392

Date: 03/15/2011
Time: 07:58:03

Ca = 0.1000
CAL = 0.990755 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0037 0.0010 <= b2 < 0.0100
b3 = 0.0002 0.0000 <= b3 < 0.0040
Xg = 0.0967 0.0500 <= Xg < 0.2000
a21 = 1.157321 1.050 <= a21 < 1.300
a31 = 0.392902 0.300 <= a31 < 0.800

4 gms
3/15/2011

SUBJECT TEST

Alaska Department of Public Safety
 DATAWASTER dmc: 100392

Date: 04/05/2011
 Time: 13:50:55

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

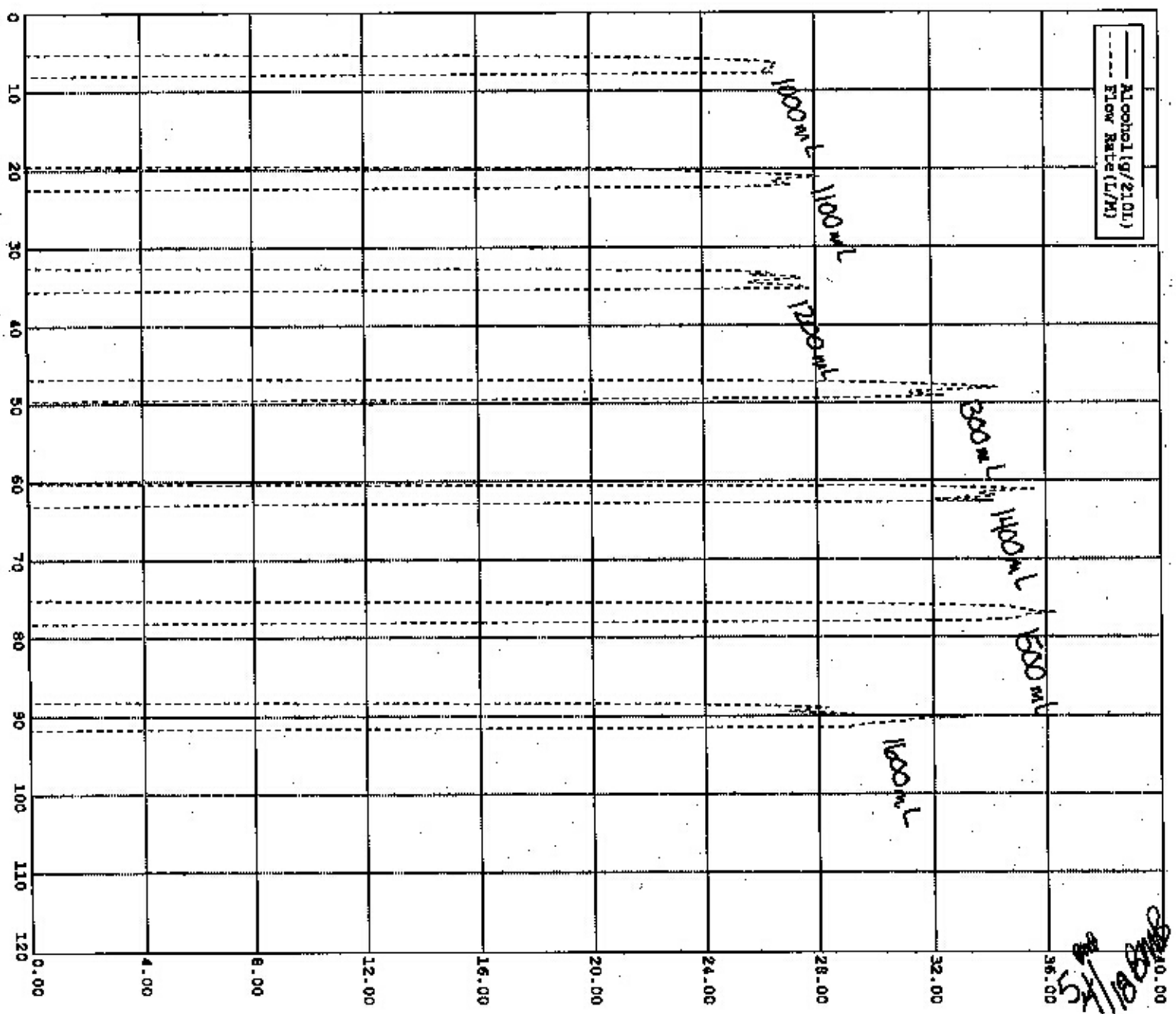
OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

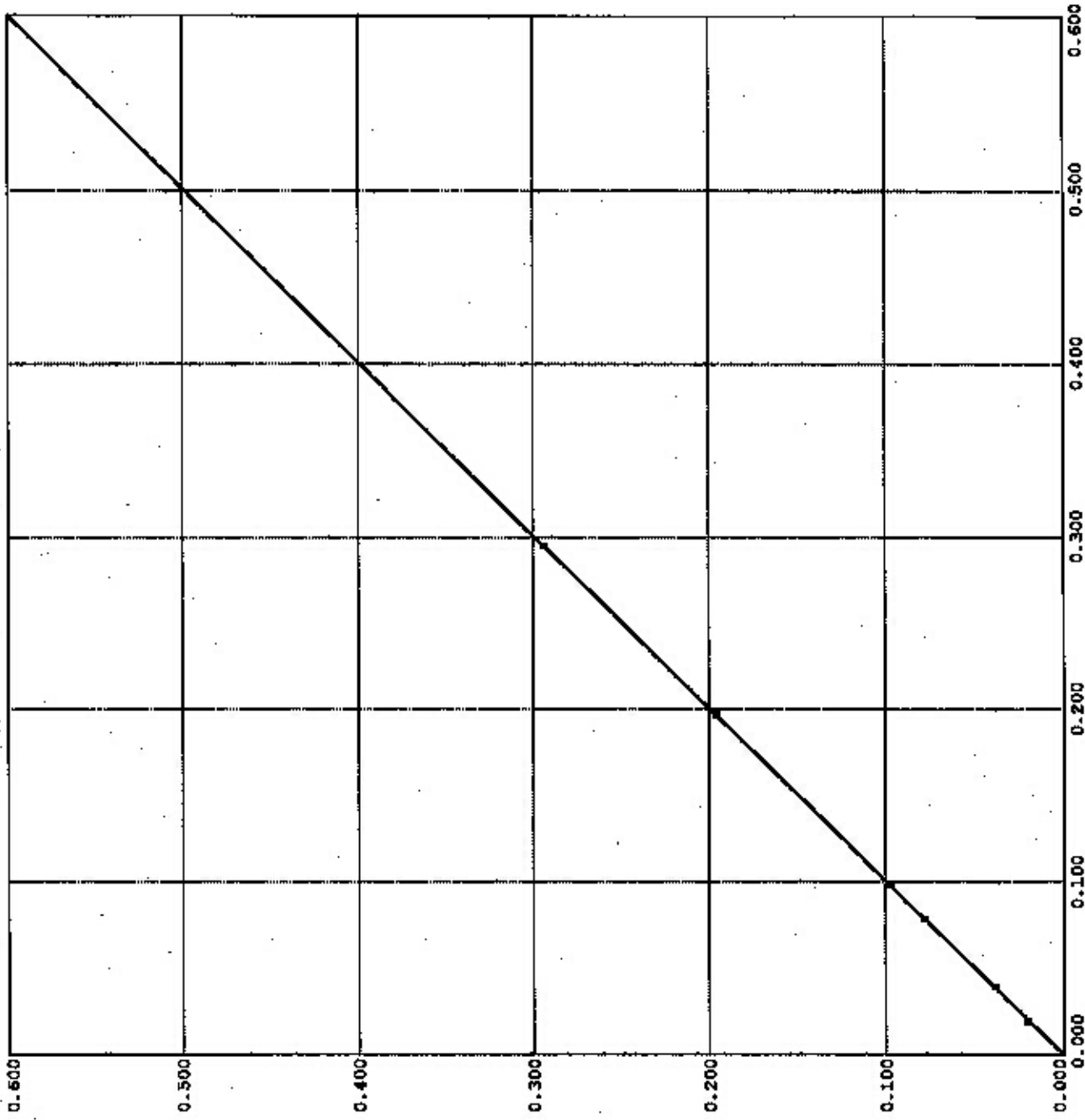
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET A/E 29.33: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	13:51
BLANK TEST	0.000	13:52
INTERNAL STANDARD	VERIFIED	13:52
EXTERNAL STANDARD	0.079	13:52
BLANK TEST	0.000	13:53
SUBJECT SAMPLE	0.000	13:54
BLANK TEST	0.000	13:55
EXTERNAL STANDARD	0.079	13:56
BLANK TEST	0.000	13:56

BMB



5/1/10 BMB



LINEARITY CHECK

Alaska Department of Public Safety
 DATEMASTER cmt: 100392

Date: 04/05/2011
 Time: 13:58:44

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0208	0.0004
0.039	0.0394	0.0005
0.078	0.0788	0.0004
0.098	0.0982	0.0004
0.196	0.1966	0.0005
0.294	0.2948	0.0004

SLOPE = 0.998720
 R² = 0.999987

698
4/18/11
BMB

LINEARITY CHECK: Control Test 1

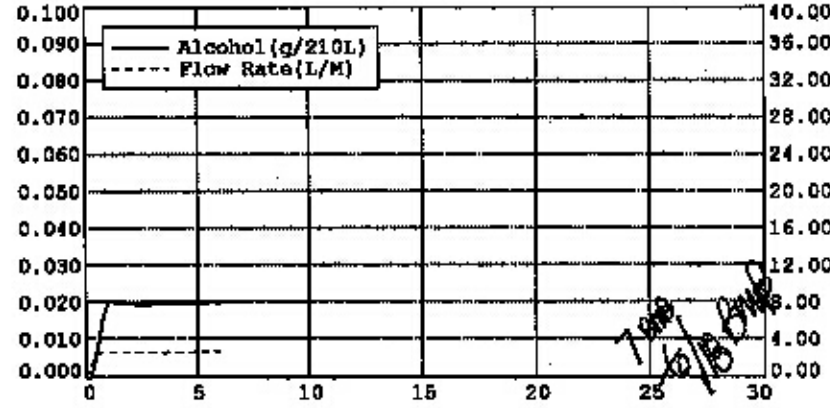
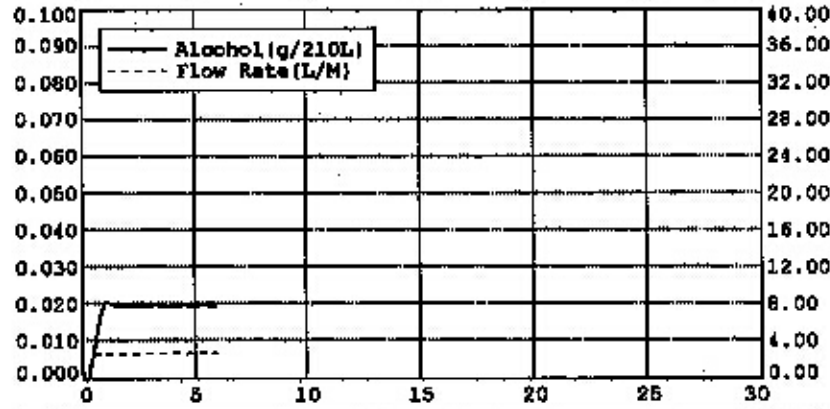
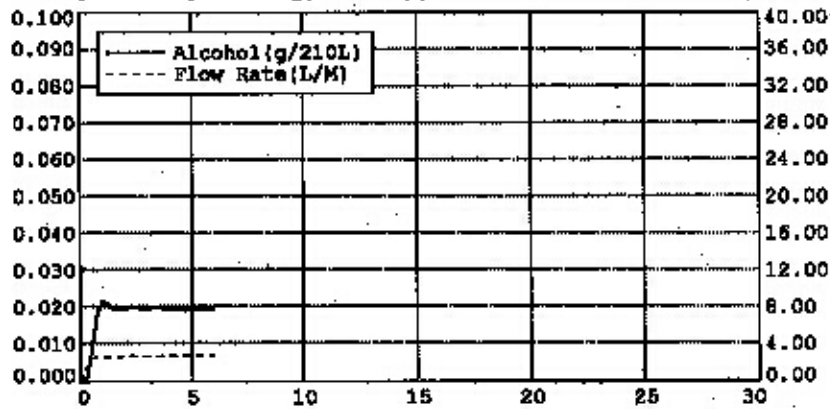
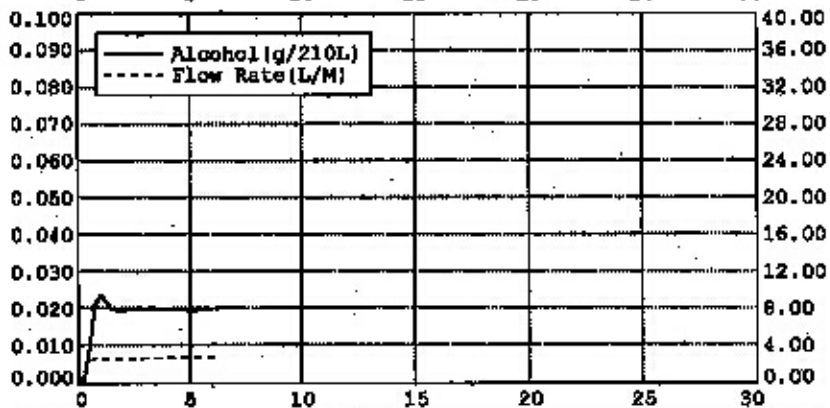
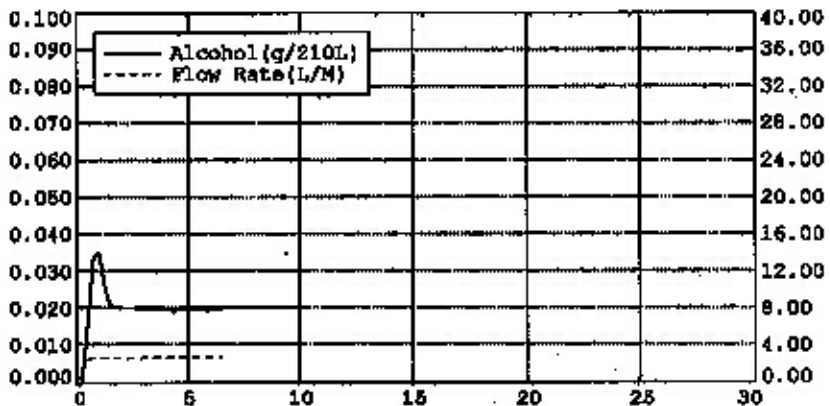
Alaska Department of Public Safety
 DATAMASTER dnt: 100392

Date: 04/05/2011
 Time: 13:58:45

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.33: 0.019
 LOT #: 15210020A1
 EXPIRATION: 07/01/2012

BLANK TEST	0.000	14:00
INTERNAL STANDARD	VERIFIED	14:00
EXTERNAL STANDARD	0.021	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.021	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.020	14:02
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.021	14:03
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.021	14:04
BLANK TEST	0.000	14:05

Average = 0.0208
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER chm: 100392

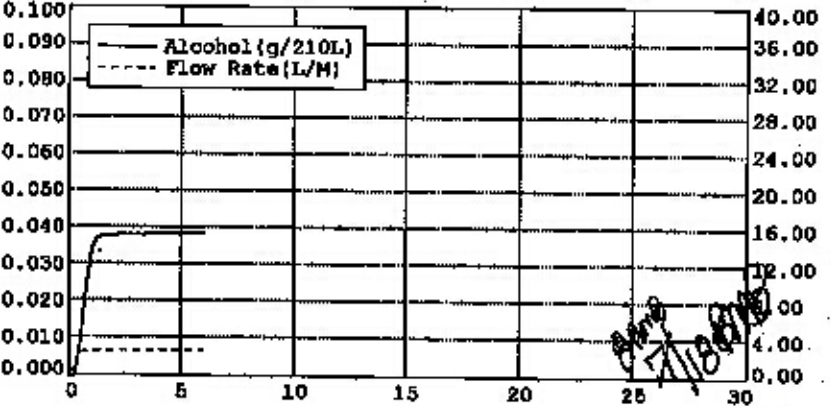
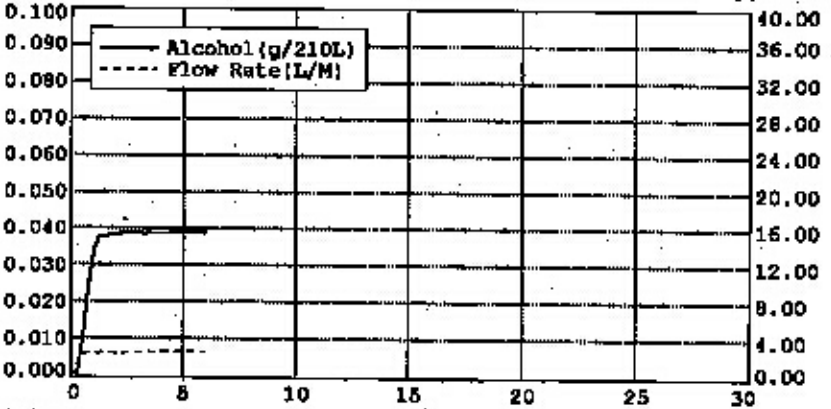
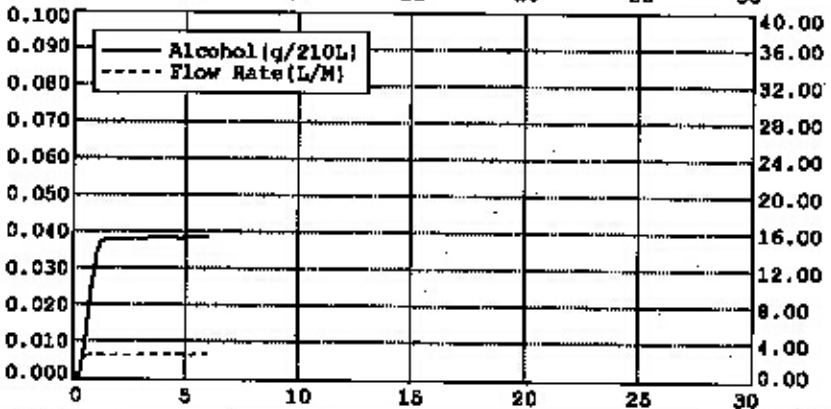
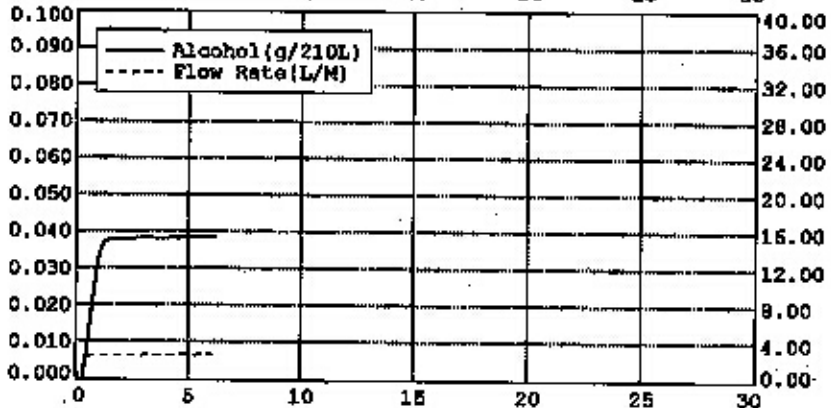
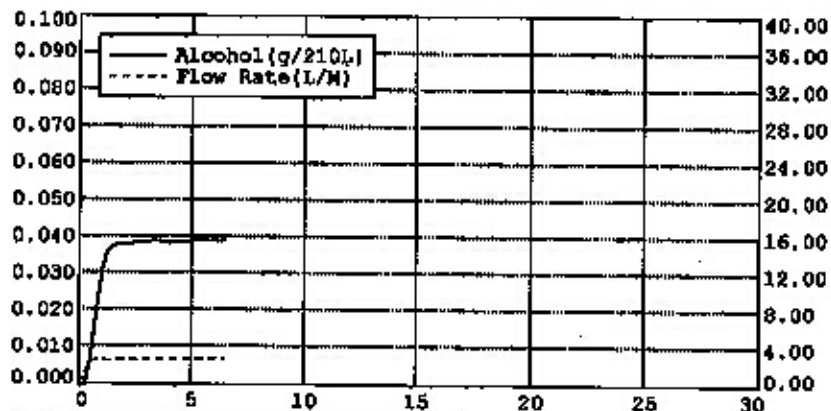
Date: 04/05/2011
 Time: 14:06:36

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.33: 0.039
 LOT #: 15210040A2
 EXPIRATION: 07/01/2012

BLANK TEST	0.000	14:07
INTERNAL STANDARD	VERIFIED	14:07
EXTERNAL STANDARD	0.040	14:08
BLANK TEST	0.000	14:08
EXTERNAL STANDARD	0.039	14:09
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.039	14:10
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.040	14:11
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.039	14:12
BLANK TEST	0.000	14:13

Average = 0.0394
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DREAMASTER dmt: 100392

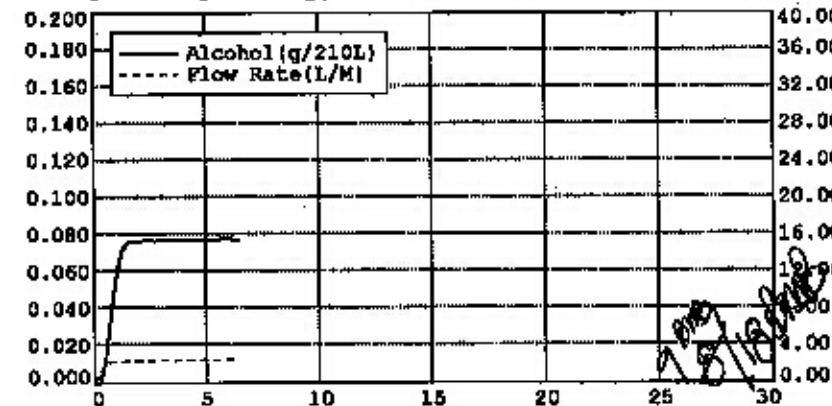
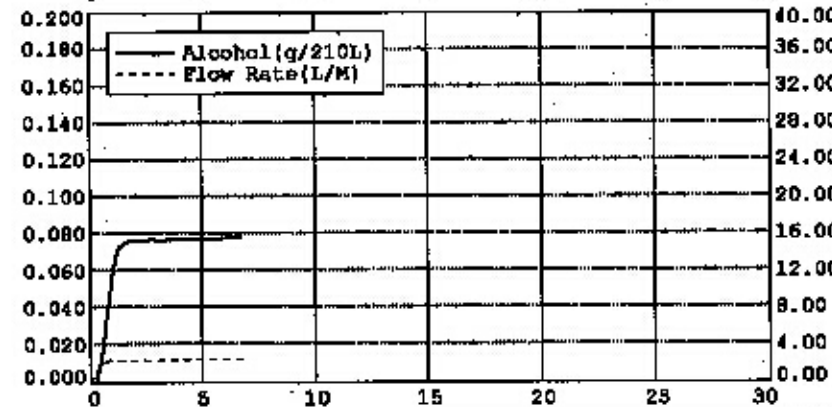
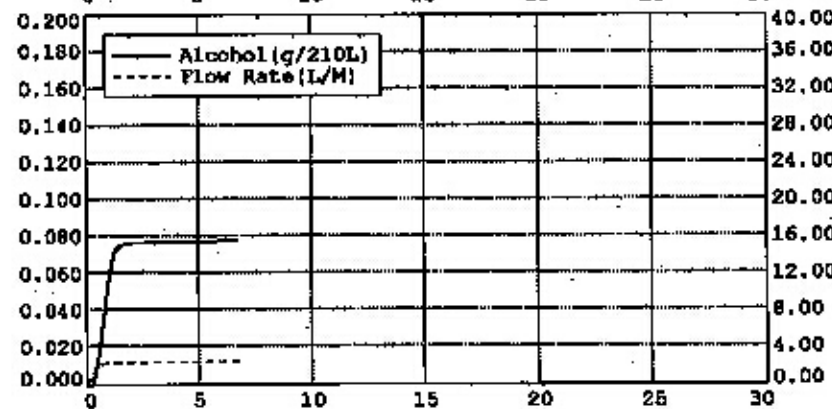
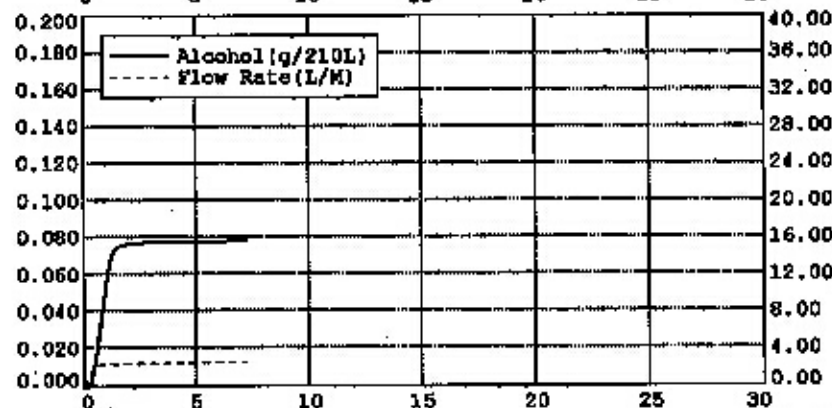
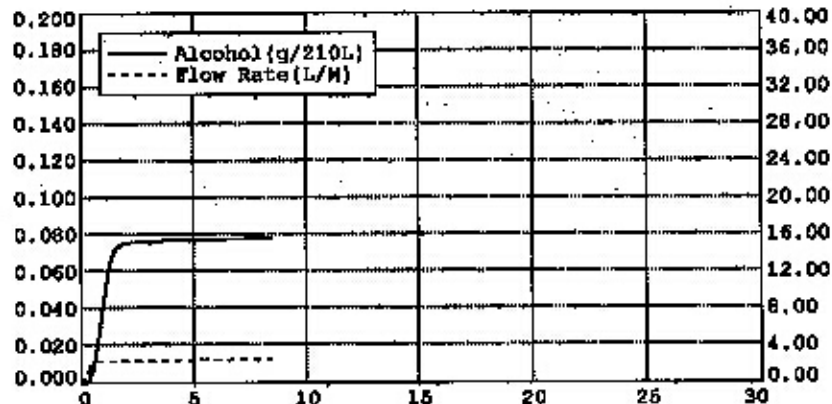
Date: 04/05/2011
 Time: 14:14:04

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.33: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

BLANK TEST	0.000	14:15
INTERNAL STANDARD	VERIFIED	14:15
EXTERNAL STANDARD	0.079	14:15
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.079	14:16
BLANK TEST	0.000	14:17
EXTERNAL STANDARD	0.079	14:17
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.078	14:18
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.079	14:20
BLANK TEST	0.000	14:20

Average = 0.0788
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

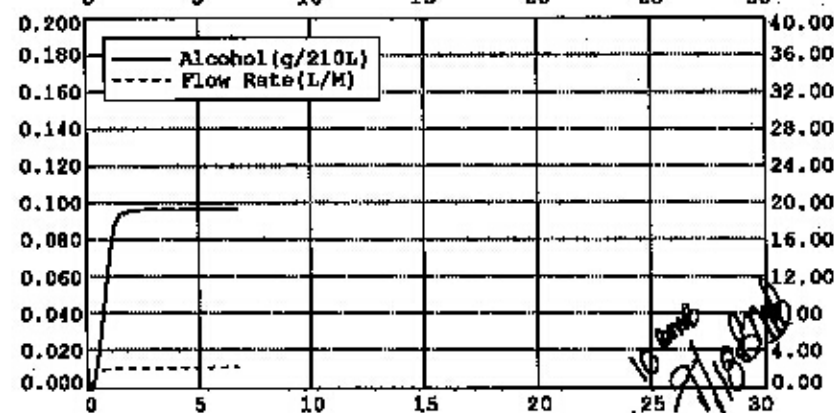
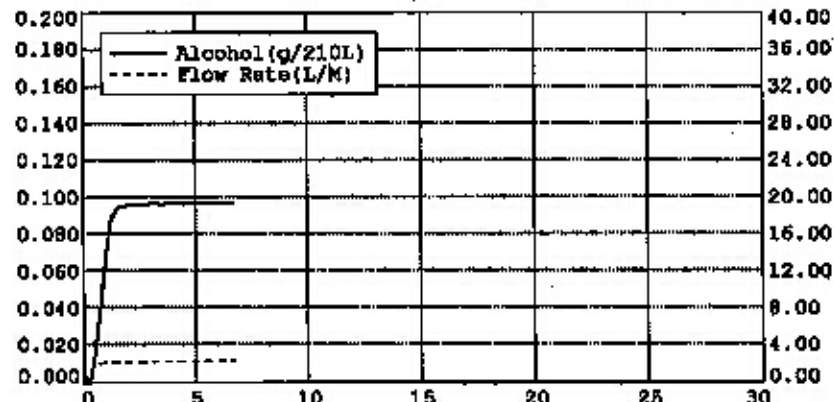
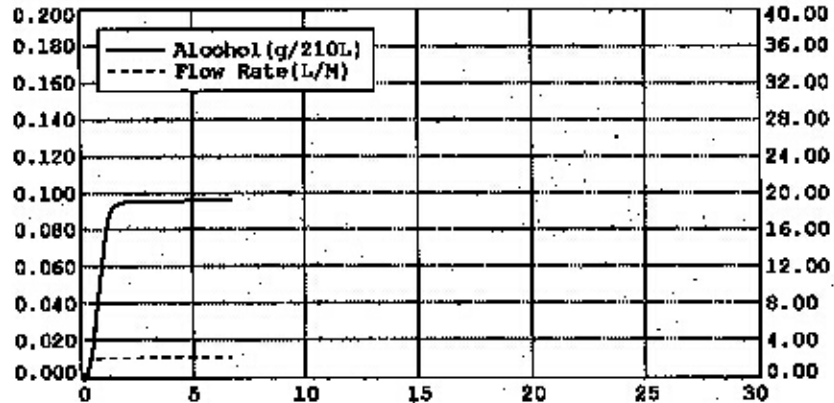
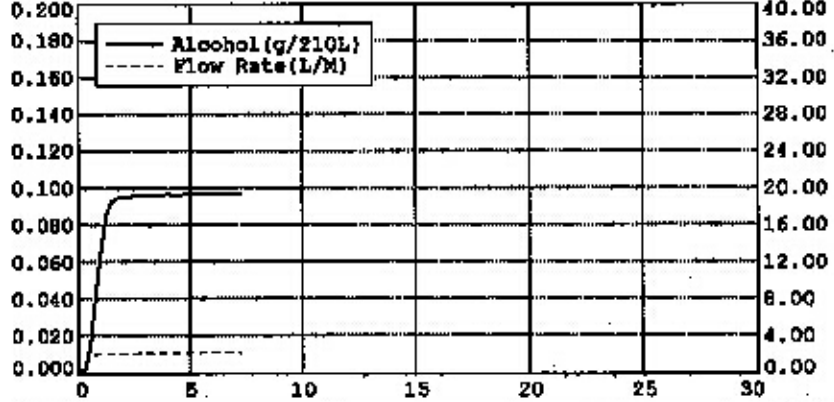
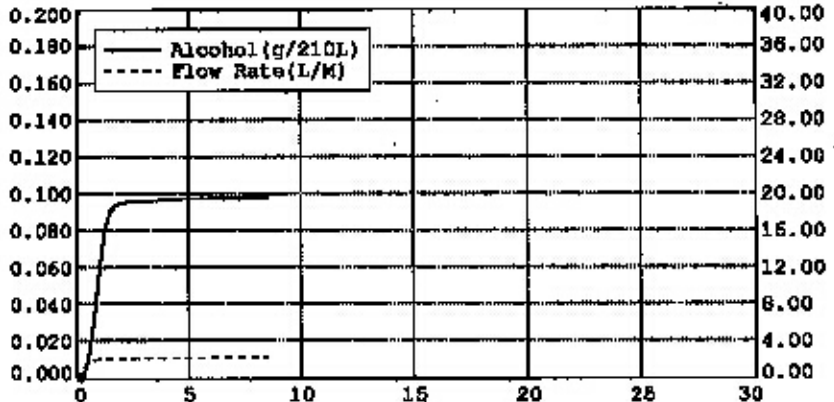
Alaska Department of Public Safety
 DATAMASTER dmt: 100392

Date: 04/05/2011
 Time: 14:21:41

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.34, 0.098
 LOT #: 08611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:22
INTERNAL STANDARD	VERIFIED	14:22
EXTERNAL STANDARD	0.099	14:23
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.098	14:24
BLANK TEST	0.000	14:25
EXTERNAL STANDARD	0.098	14:25
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.098	14:26
BLANK TEST	0.000	14:27
EXTERNAL STANDARD	0.098	14:27
BLANK TEST	0.000	14:28

Average = 0.0982
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER cmt: 100392

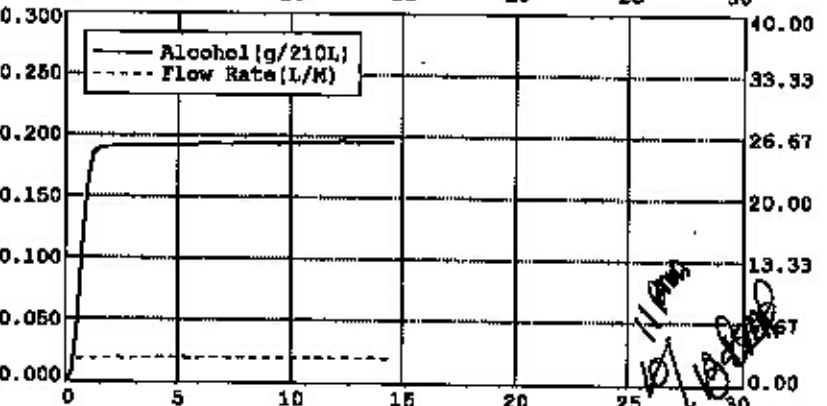
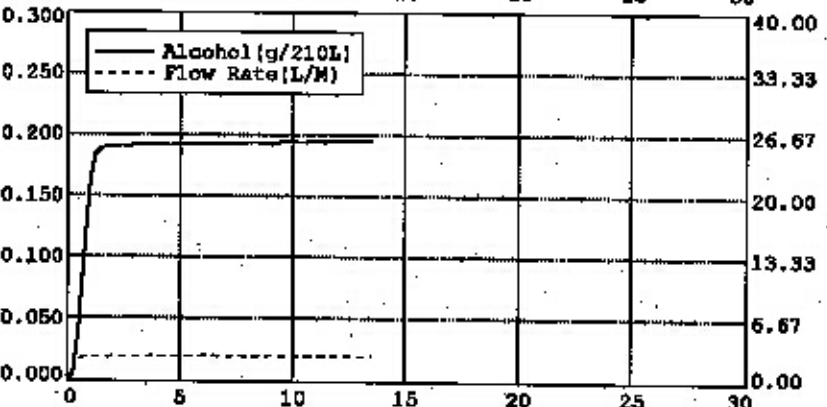
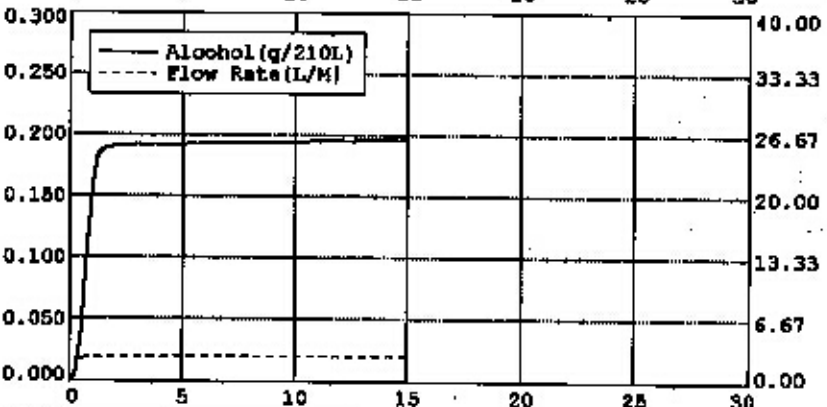
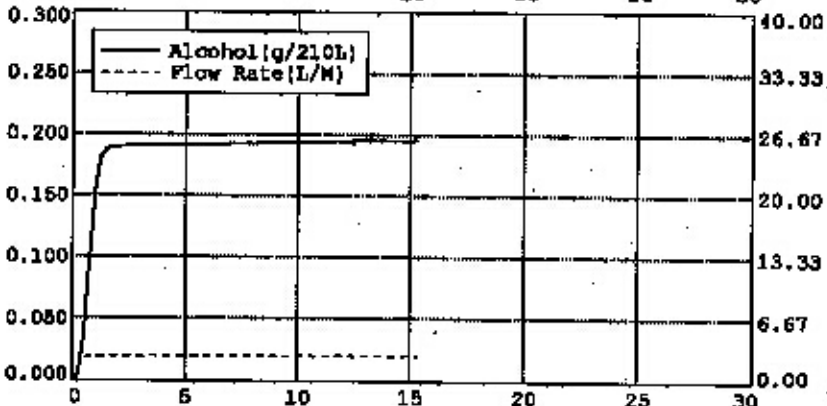
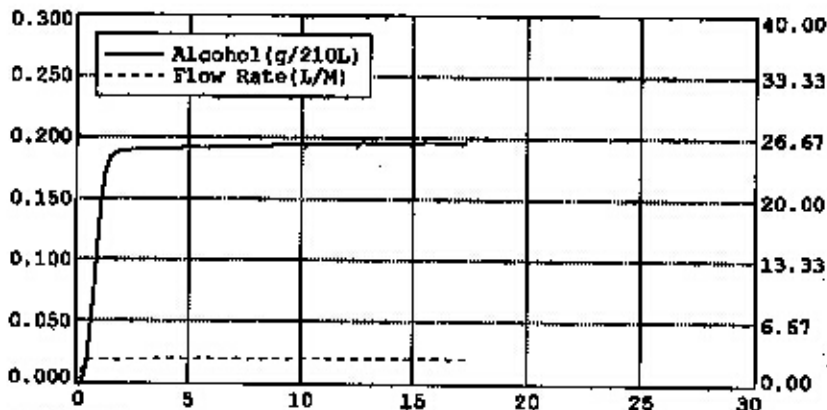
Date: 04/05/2011
 Time: 14:29:27

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 TARGET AT 29.33; 0.196
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:30
INTERNAL STANDARD	VERIFIED	14:30
EXTERNAL STANDARD	0.197	14:31
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.196	14:32
BLANK TEST	0.000	14:33
EXTERNAL STANDARD	0.197	14:33
BLANK TEST	0.000	14:34
EXTERNAL STANDARD	0.196	14:35
BLANK TEST	0.000	14:35
EXTERNAL STANDARD	0.197	14:36
BLANK TEST	0.000	14:37

Average = 0.1966
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100392

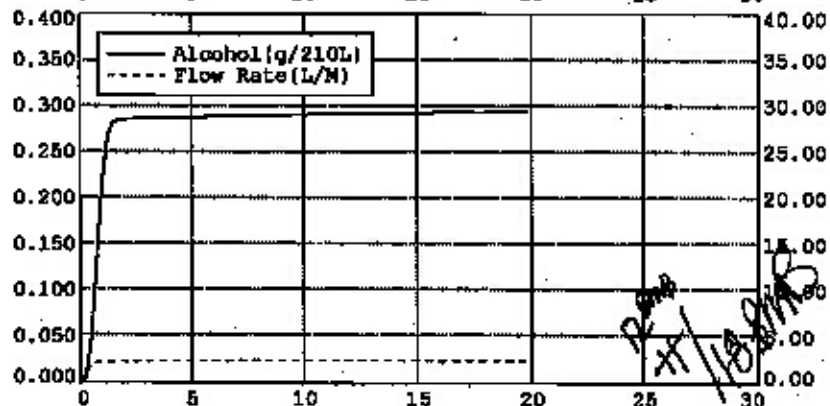
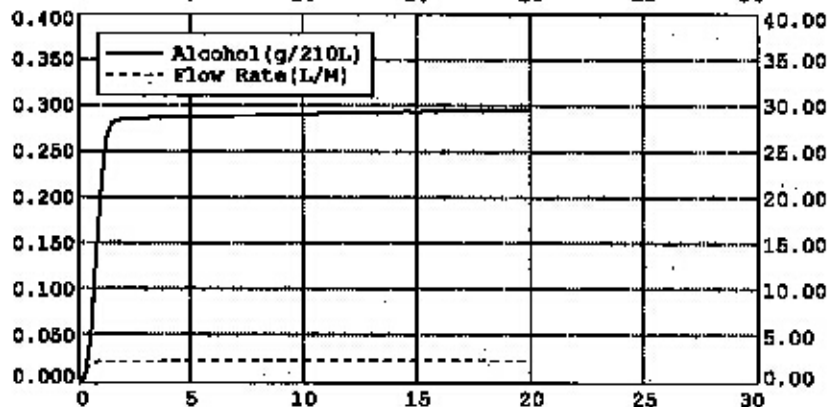
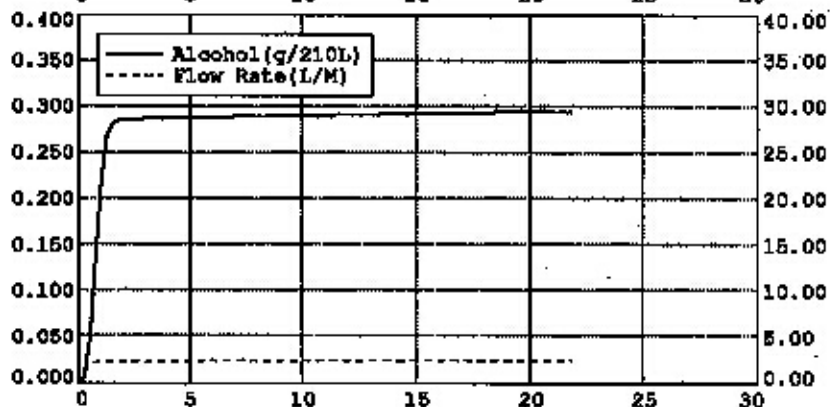
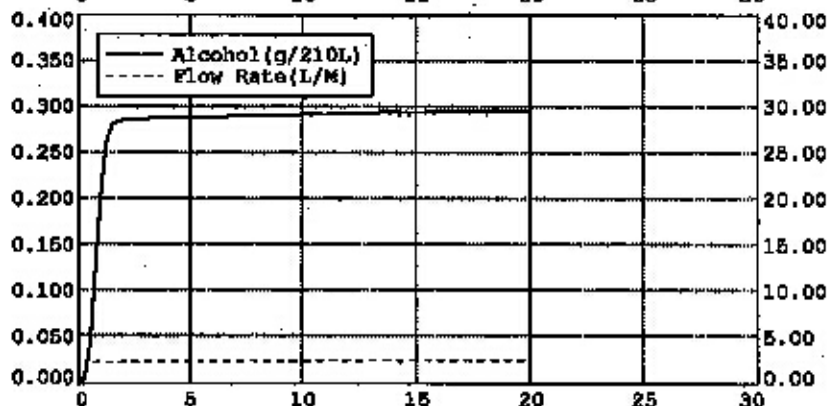
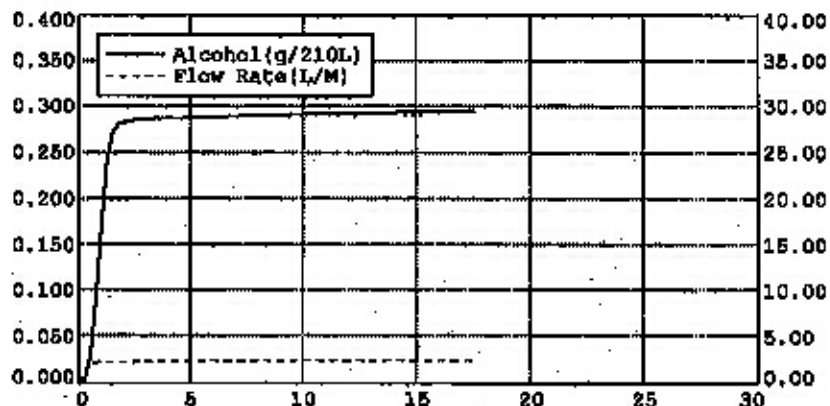
Date: 04/05/2011
Time: 14:38:09

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.34; 0.294
LOT #: 07411300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:39
INTERNAL STANDARD	VERIFIED	14:39
EXTERNAL STANDARD	0.294	14:39
BLANK TEST	0.000	14:40
EXTERNAL STANDARD	0.295	14:41
BLANK TEST	0.000	14:42
EXTERNAL STANDARD	0.295	14:42
BLANK TEST	0.000	14:44
EXTERNAL STANDARD	0.295	14:44
BLANK TEST	0.000	14:45
EXTERNAL STANDARD	0.295	14:45
BLANK TEST	0.000	14:46

Average = 0.2948
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
LABORATORY dnt: 100392

Date: 04/05/2011
Time: 14:51:44

SUBJECT NAME:
TEST TEST
LICENSE #: INCOMPLETE

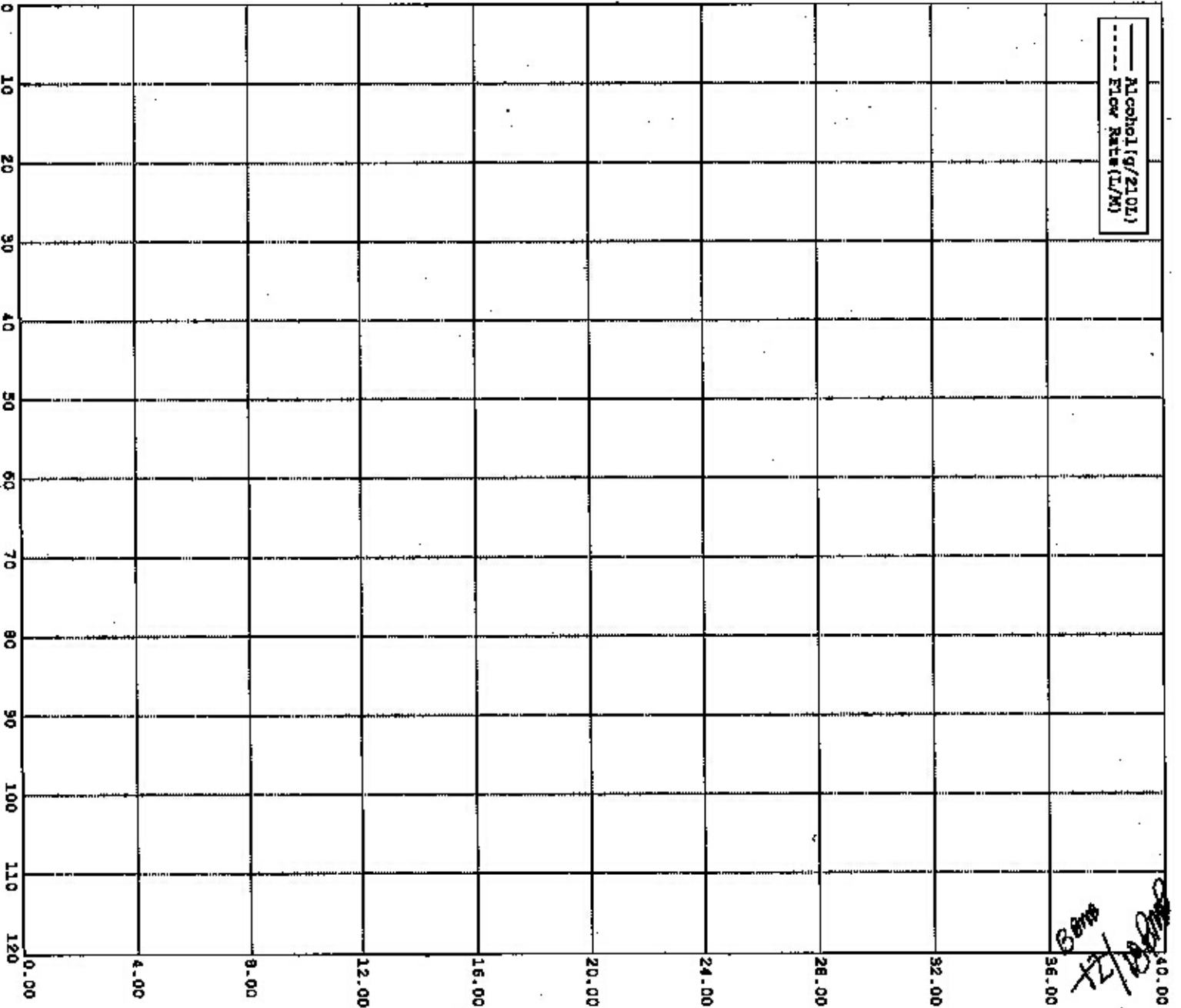
OPERATOR NAME:
XXX X XXX
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.35: 0.078
LOT #: 33609080A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:52
BLANK TEST	0.000	14:52
INTERNAL STANDARD	VERIFIED	14:53
EXTERNAL STANDARD	0.080	14:53
BLANK TEST	0.000	14:54
SUBJECT SAMPLE	INCOMPLETE	14:56

BMB



SUBJECT TEST

Alaska Department of Public Safety
DIAGNOSTIC dnt: 103392

Date: 04/05/2011
Time: 14:59:11

SUBJECT NAME:
TEST TEST
LICENSE #: INVALID

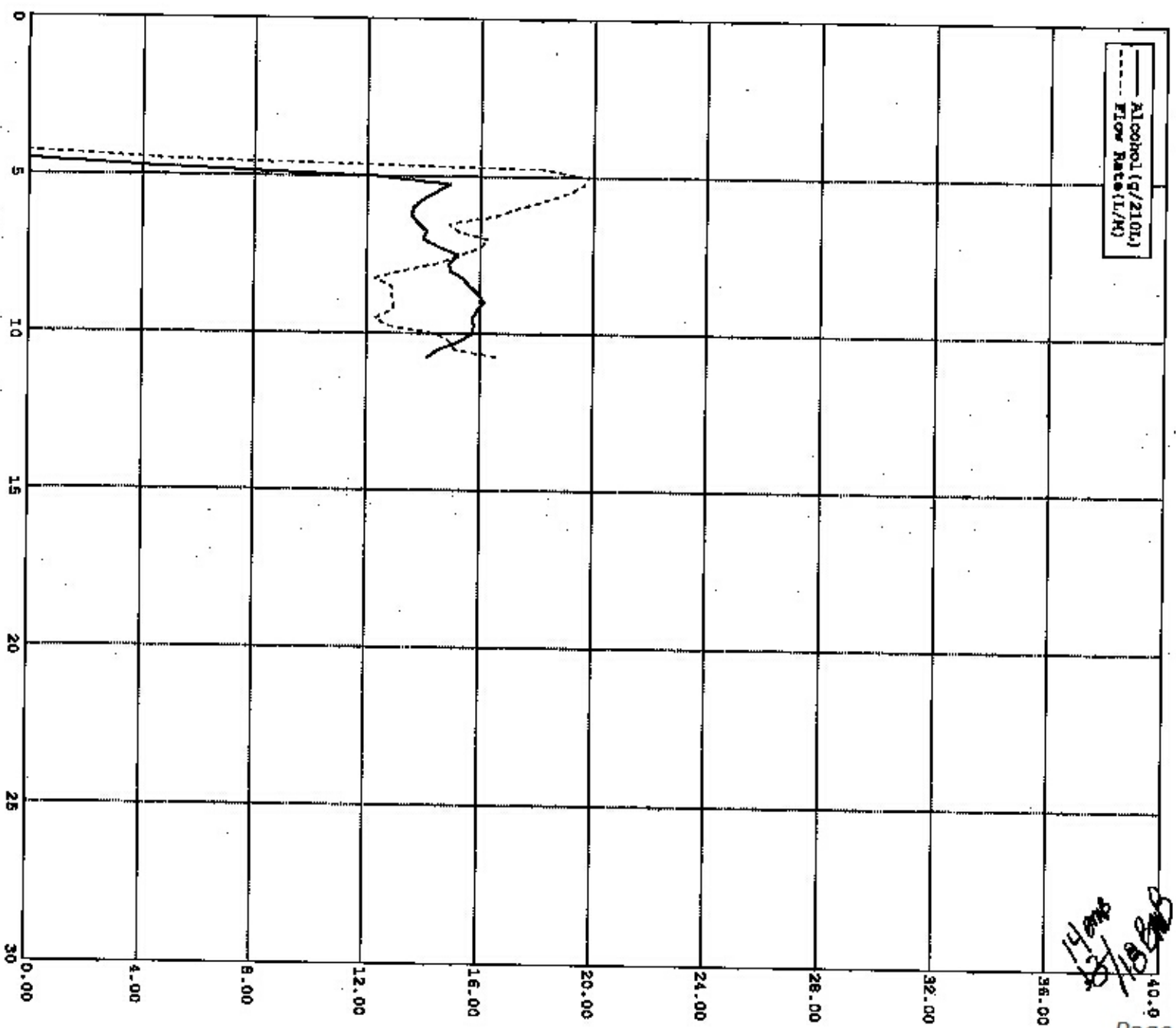
OPERATOR NAME:
XXXX X XXXX
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.35: 0.078
LOT #: 33609080A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	15:00
BLANK TEST	0.000	15:00
INTERNAL STANDARD	VERIFIED	15:00
EXTERNAL STANDARD	0.079	15:00
BLANK TEST	0.000	15:01
SUBJECT SAMPLES	INVALID	15:01

BRMB



BRMB
4/5/11

SUBJECT TEST

Alaska Department of Public Safety
DAZMRSR dms: 100392

Date: 04/05/2011
Time: 15:07:02

SUBJECT NAME:
TEST TEST
LICENSE #: INTERFERE

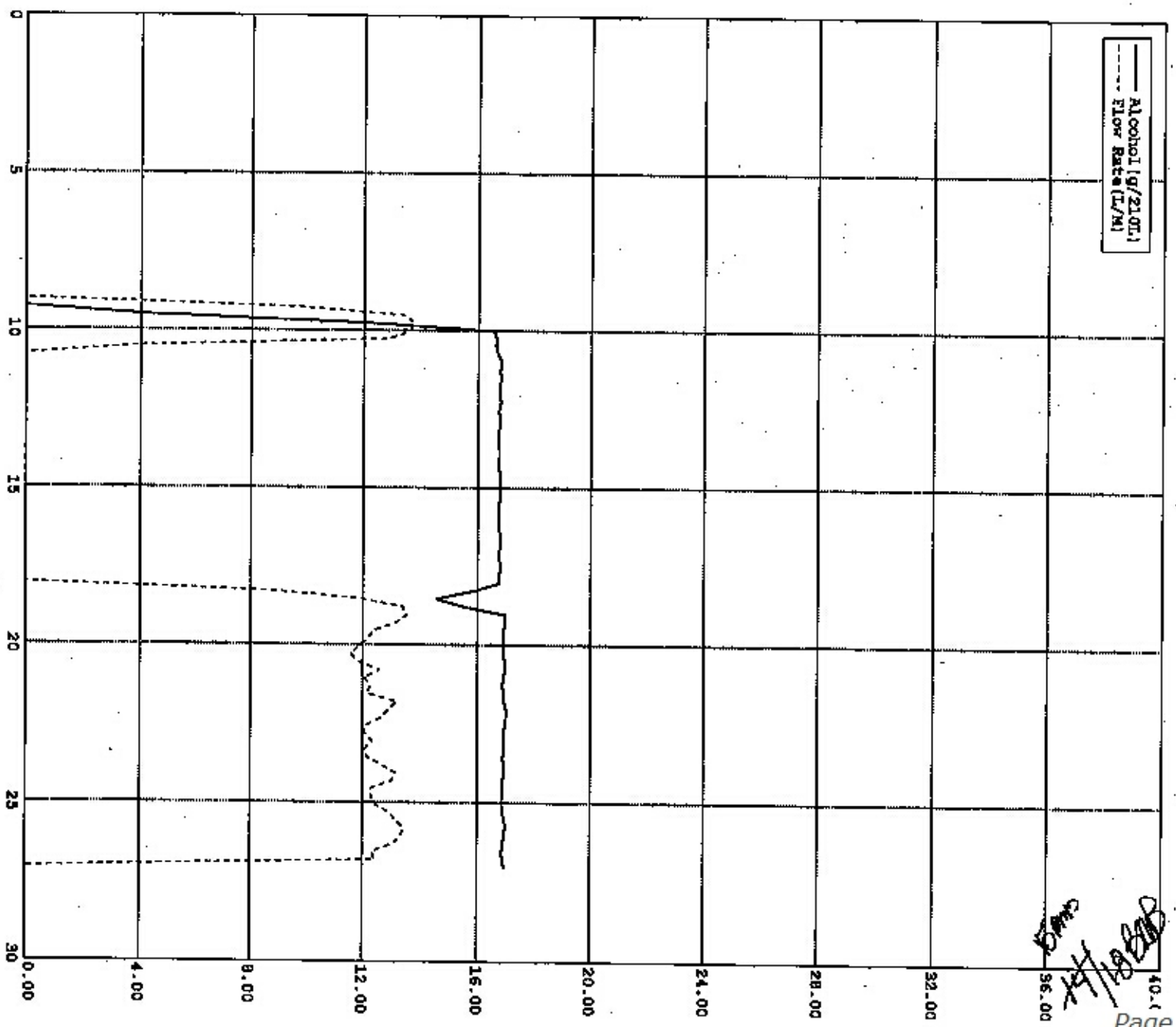
OPERATOR NAME:
EXAMINER AND AGENCY
OPERATOR'S #: XXXX

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

GENERAL STANDARD INFORMATION
RCINAL: 0.080
TARGET AT 29.35: 0.078
LC #: 33609080A1
EXTRACTION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	15:08
BLANK TEST	0.000	15:08
INTERNAL STANDARD	VERIFIED	15:08
EXTERNAL STANDARD	0.079	15:08
BIUR TEST	0.000	15:09
SUBJECT SAMPLE	INTERFERENCE	15:09

KMB



Handwritten signatures and dates:
 04/05/11
 [Signature]

SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dmt: 100392

Date: 04/05/2011
 Time: 15:12:42

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTERPRE

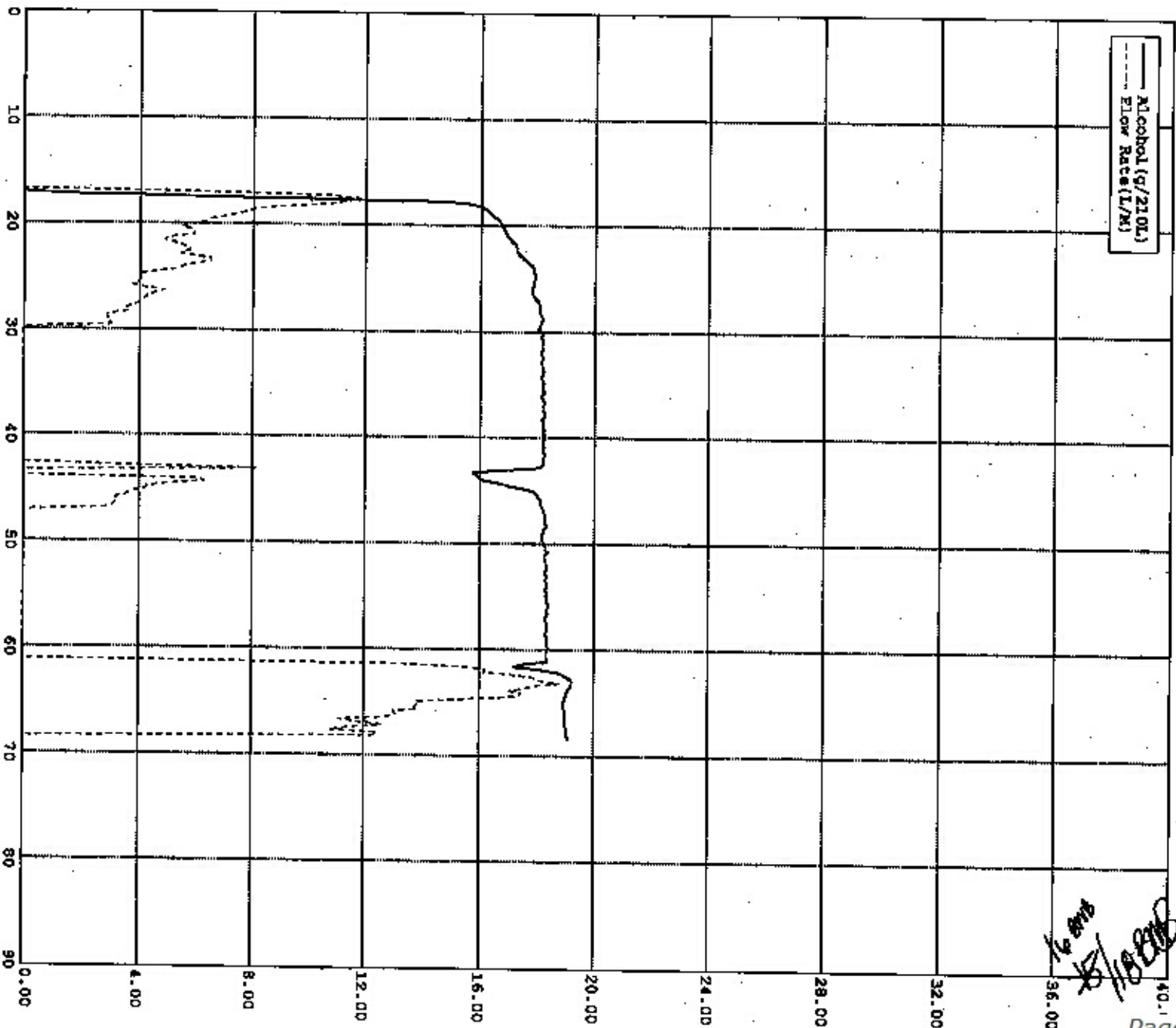
OPERATOR NAME:
 KERNAN AND ISOEROPACOL
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.35: 0.078
 IOP #: 33609080A1
 EXPIRATION: 01/01/2012

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

BNB



BNB
 4/5/11

SUBJECT TEST

Alaska Department of Public Safety
DATEMASTER dmt: 100392

Date: 04/05/2011
Time: 15:03:48

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
RADIO INTERFERE
OPERATOR'S #: DXX

DEPT/AGENCY:
XXX

CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.35: 0.078
LOT #: 33609280A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	15:04
BLANK TEST	0.000	15:04
INTERNAL STANDARD	VERIFIED	15:05
EXTERNAL STANDARD	0.079	15:05

RFI Detected

17
to
16/19
BIB

SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100392

Date: 04/05/2011
 Time: 15:27:14

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

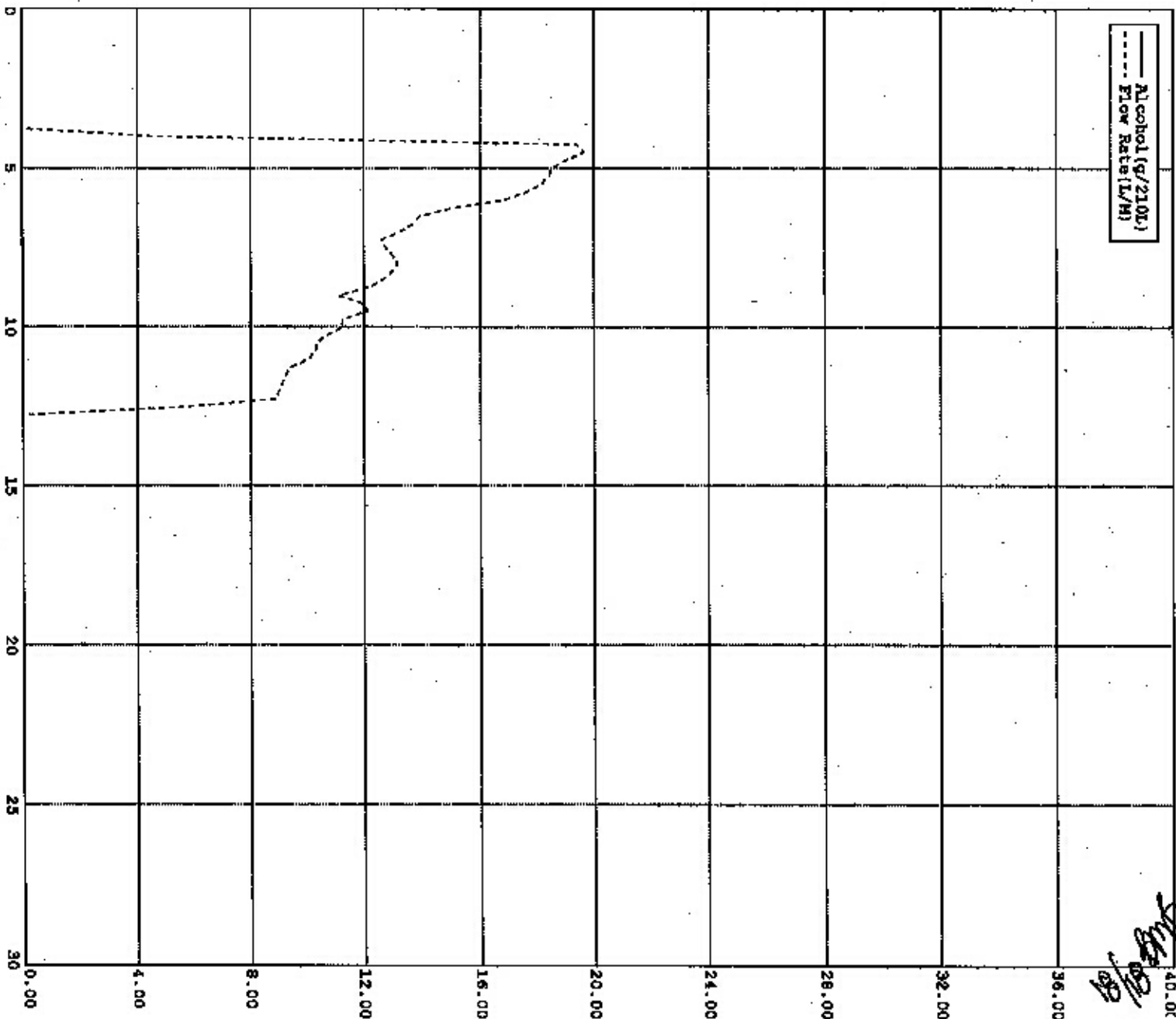
OPERATOR NAME:
 BRANDI M BARRETT
 OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.35: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/31/2012

DIAGNOSTIC CHECK	PASSED	15:28
BLANK TEST	0.000	15:28
INTERNAL STANDARD	VERIFIED	15:28
EXTERNAL STANDARD	0.079	15:28
BLANK TEST	0.000	15:29
SUBJECT SAMPLE	0.000	15:29
BLANK TEST	0.000	15:30
EXTERNAL STANDARD	0.079	15:31
BLANK TEST	0.000	15:32

BMB



Brandl
 4/5/11

Final page for report

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