	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 # 100413

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 02911020A1 Exp 2/1/13
 - ii. 0.040g/210L Mnf ILMO Lot 02911040A2 Exp 2/1/13
 - iii. 0.080g/210L Mnf ILMO Lot 02511080A2 Exp 2/1/13
 - iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 3/1/13
 - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/1/13
 - vi. 0.300g/210L Mnf ILMO Lot 07411300A1 Exp 3/1/13
6. Functional Tests (attached)
 - a. Incomplete
 - b. Invalid
 - c. Interference
 - i. Acetone—Mnf RepCo Lot 09805 Level 0.080 Exp 11/4/11
 1. Simulator Calibration Date 10/18/10 SN DR6267
 - ii. Isopropanol—Mnf RepCo Lot 09805 Level 0.080 Exp 11/4/11
 1. Simulator Calibration Date 8/4/10 SN SD1202
 - d. RFI
7. Calibrate Stylus
8. Verify card reader is functional
9. Upload
10. Reset Options
11. Non-Drinking Subject Test (attached)

Analyst CRFDate 6/27/111/18
CRF

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATEMASTER dmt: 100413

Date: 06/27/2011
Time: 11:14:56

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
Breath Tube = 45.9°C PASSED

PUMP INFO

Flow Rate = 5.650 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

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CRF

Technician Screen

DATAMASTER dnt: 100413

Date: 06/27/2011
Time: 11:27 AM

Temperatures (°C)
Sample Cell: 46.9°C
Breath Tube: 46.2°C

Current Barometer: 29.7 in
Volume (Ltr) 1.57

Settings
Lamp: 1.85 V
Bias: 79 V
Cooler: 1.67 V
Chopper: 526 Hz

Voltages (V)
Flow: 1.05 V
Detector: -0.037 V

3/18
CAT

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100413

Date: 06/24/2011
Time: 09:52:35

SUPERVISOR NAME:
COLLEEN S OBRYAN
CERTIFICATE #: 6237

LOT #: REPC0100
BOTTLE #: 10003
EXPIRATION: 09/08/2012

Ca	=	0.1000		
CAL	=	0.979992	0.800	<= CAL < 1.200
b1	=	0.0002	0.0000	<= b1 < 0.0040
b2	=	0.0041	0.0010	<= b2 < 0.0100
b3	=	0.0002	0.0000	<= b3 < 0.0040
Xg	=	0.0917	0.0500	<= Xg < 0.2000
a21	=	1.130309	1.050	<= a21 < 1.300
a31	=	0.436579	0.300	<= a31 < 0.800

9/18
CAF

SUBJECT TEST

Alaska Department of Public Safety
 DATUMASTER date: 100413

Date: 06/27/2011
 Time: 12:47:47

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

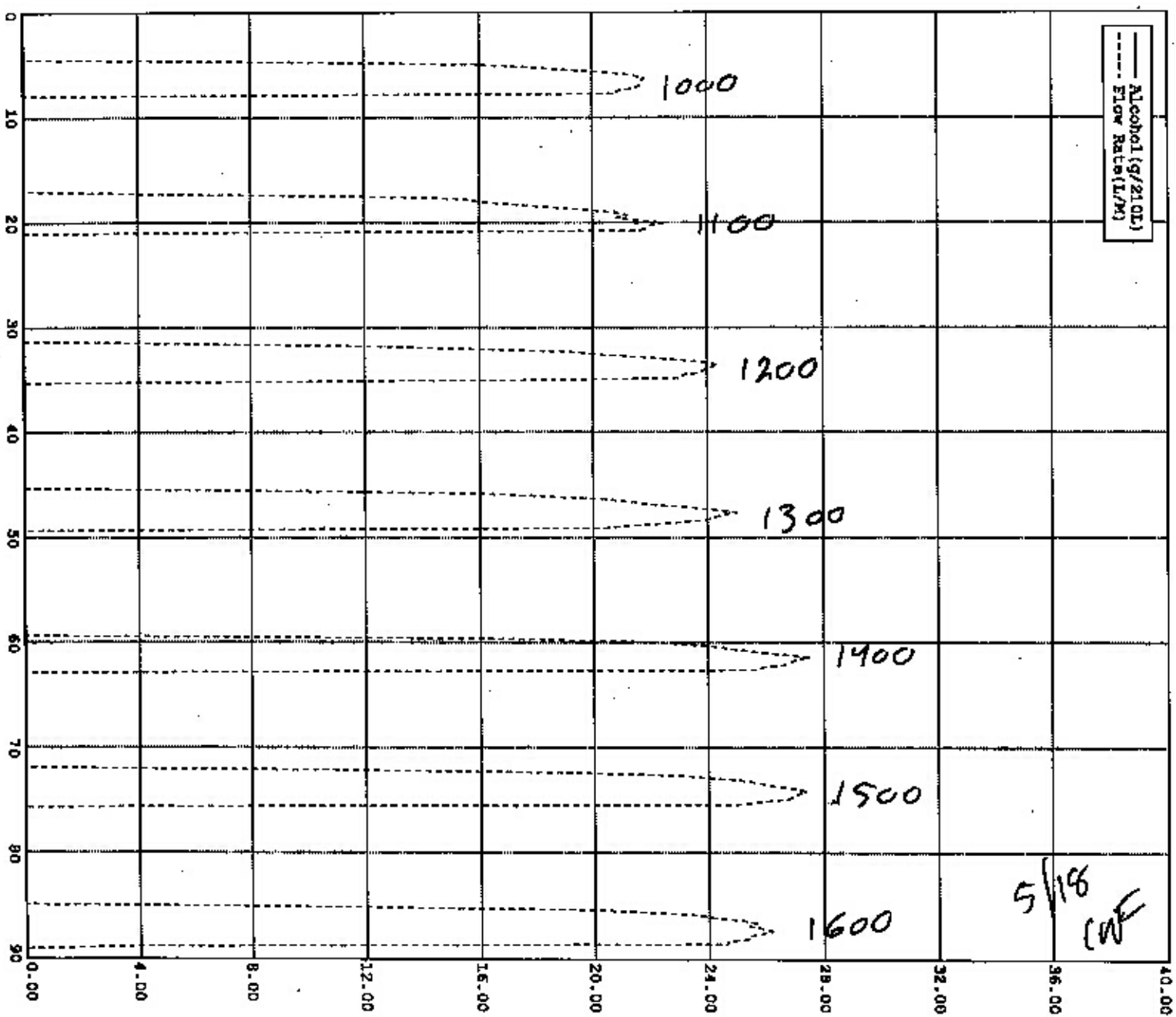
OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET: 29.65: 0.079
 LOT #: 0251108082
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	12:48
BLANK TEST	0.000	12:48
INTERNAL STANDARD	0.079	12:49
EXTERNAL STANDARD	0.000	12:50
BLANK TEST	0.000	12:51
SUBJECT SAMPLE	0.000	12:52
BLANK TEST	0.080	12:52
EXTERNAL STANDARD	0.000	12:53
BLANK TEST	0.000	12:53

CRF



LINEARITY CHECK

Alaska Department of Public Safety
 DEPARTMENT date: 100413

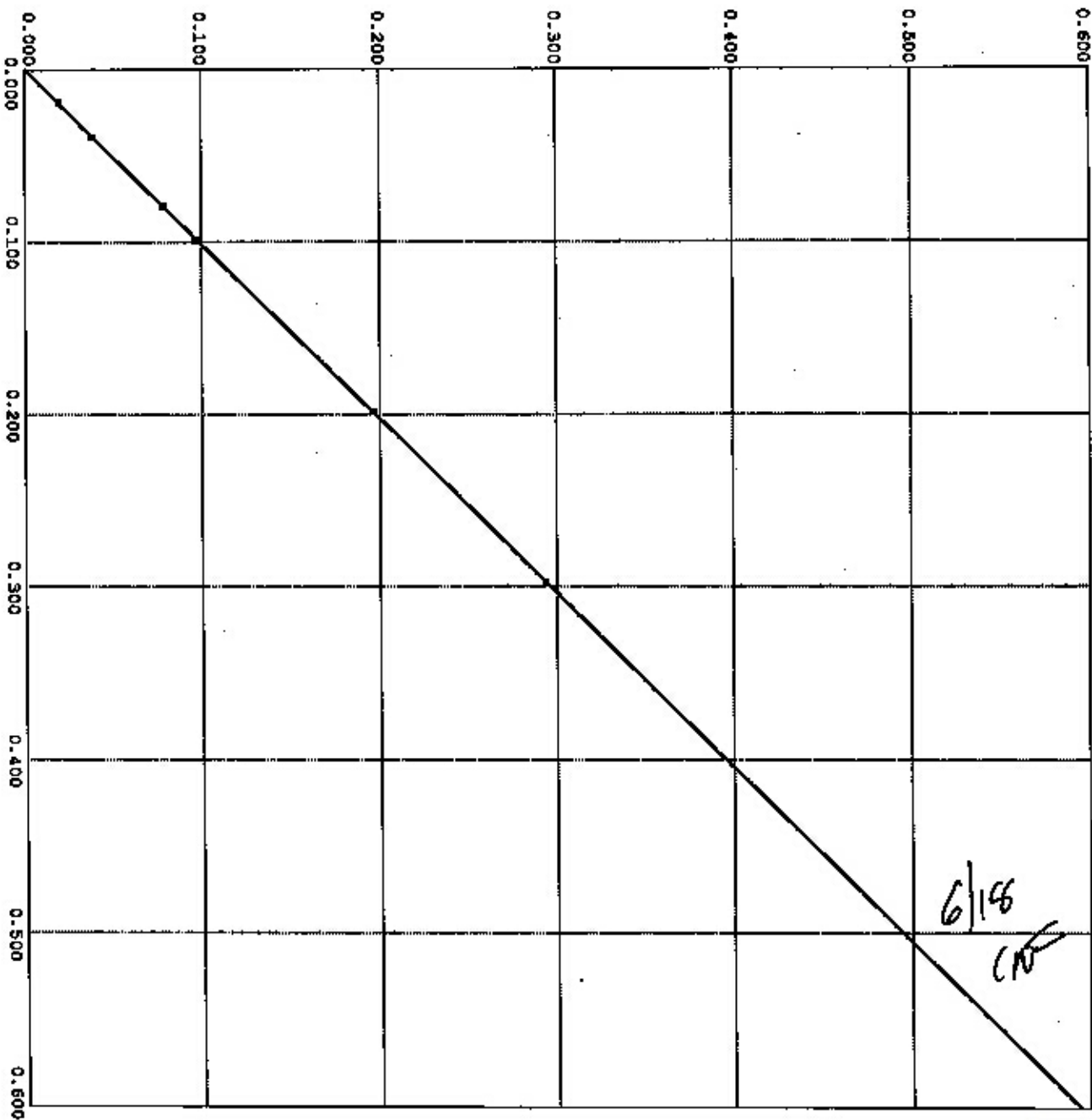
Date: 06/27/2011
 Time: 13:10:56

SUPERVISOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.039	0.0392	0.0004
0.079	0.0790	0.0007
0.099	0.0976	0.0005
0.198	0.1974	0.0015
0.297	0.2946	0.0011

SLOPE = 0.990164
 R² = 0.999982

CRF



LINEARITY CHECK: Control Test 1

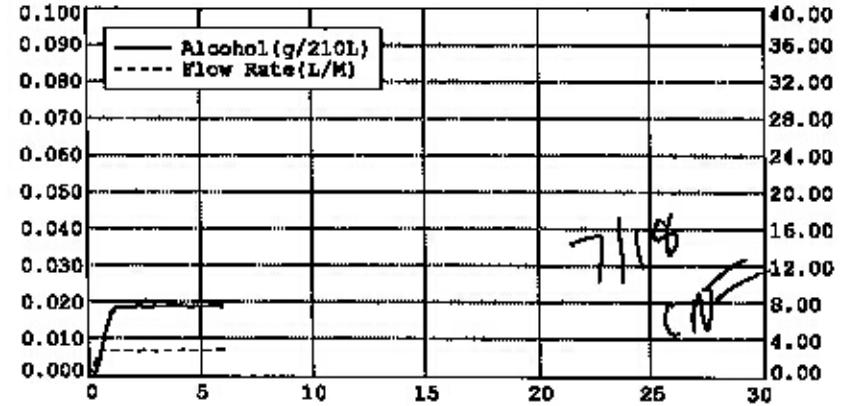
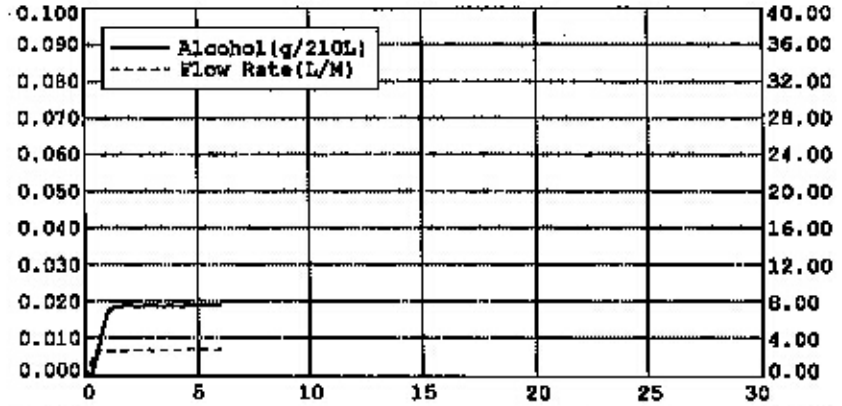
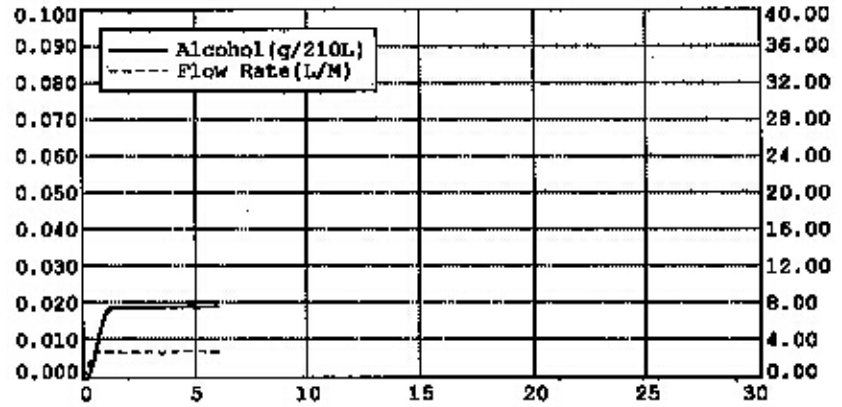
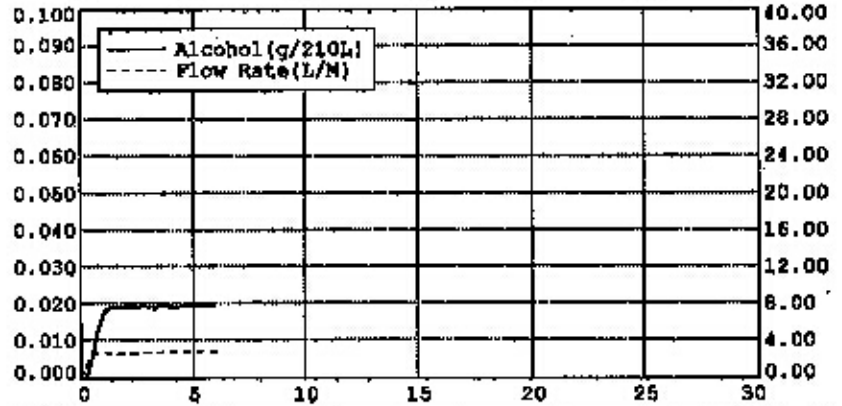
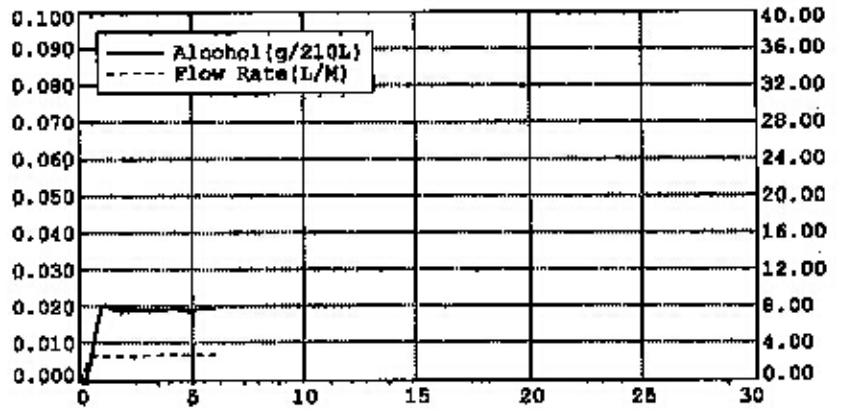
Alaska Department of Public Safety
 DATAMASTER dat: 100413

Date: 06/27/2011
 Time: 13:10:57

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.65: 0.019
 LOT #: Q2811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:12
INTERNAL STANDARD	VERIFIED	13:12
EXTERNAL STANDARD	0.020	13:12
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.020	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.020	13:15
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.020	13:16
BLANK TEST	0.000	13:17
EXTERNAL STANDARD	0.020	13:17
BLANK TEST	0.000	13:18

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

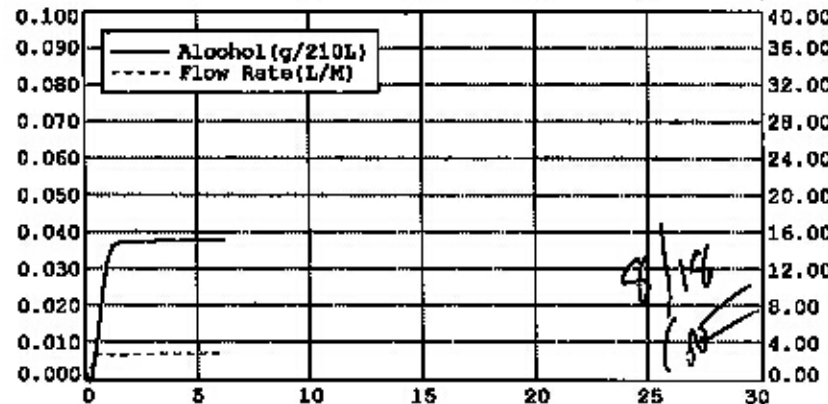
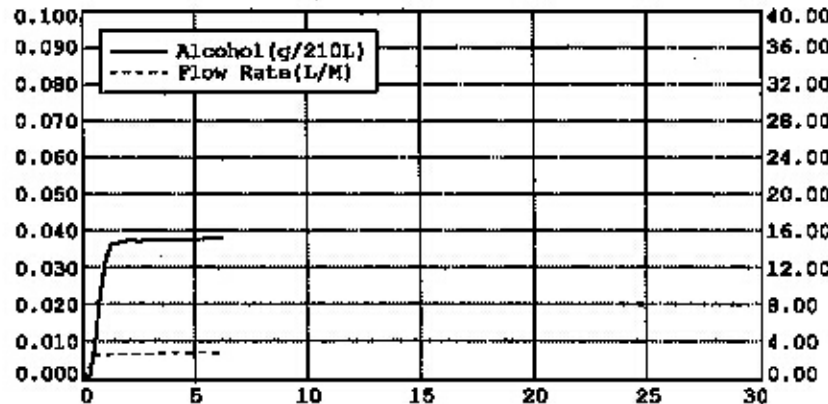
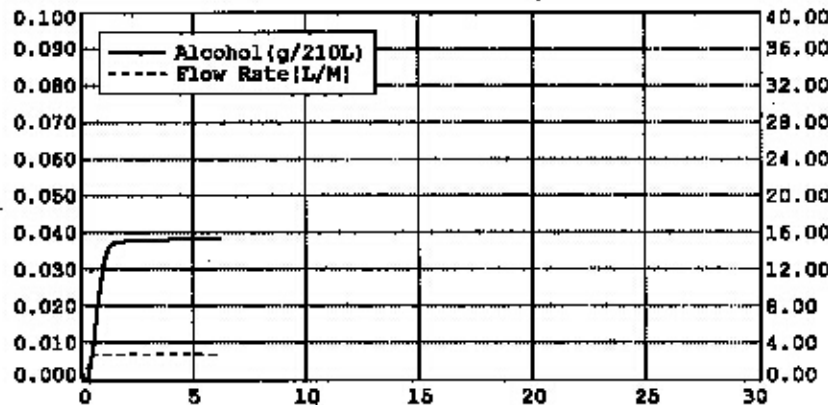
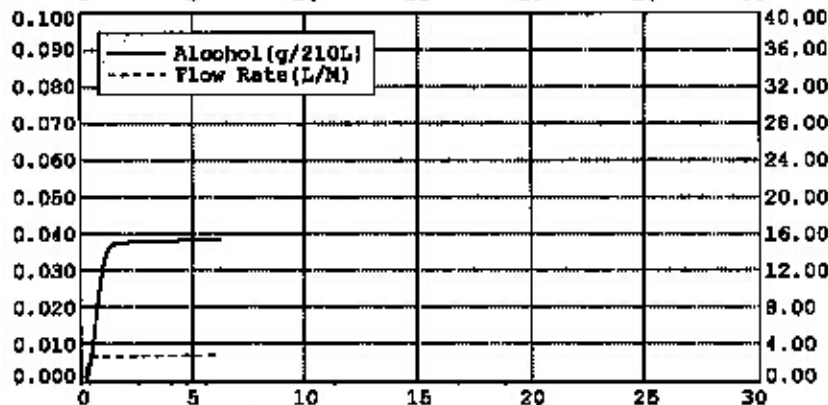
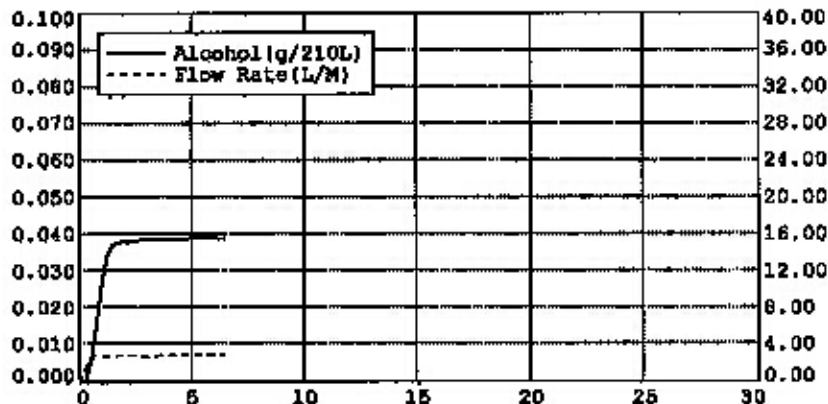
Alaska Department of Public Safety
 DATAMASTER dnt: 100413

Date: 06/27/2011
 Time: 13:19:42

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.65: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:21
INTERNAL STANDARD	VERIFIED	13:21
EXTERNAL STANDARD	0.040	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.039	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.039	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.039	13:24
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.039	13:25
BLANK TEST	0.000	13:26

Average = 0.0392
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

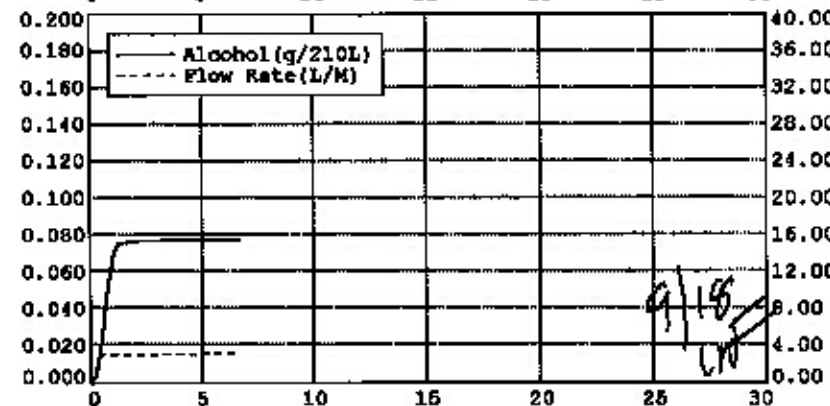
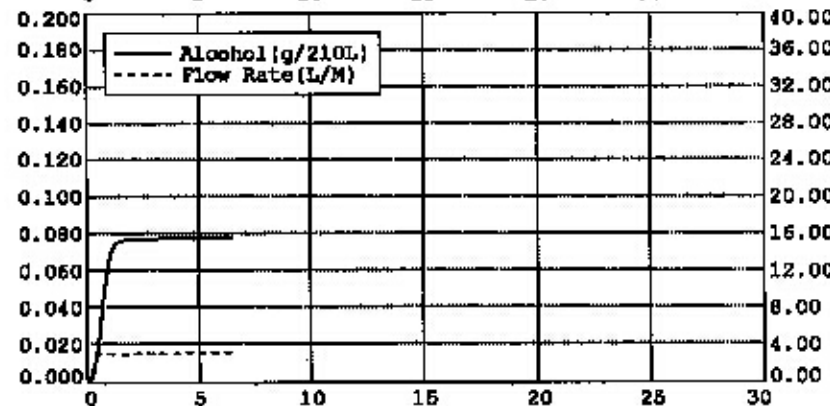
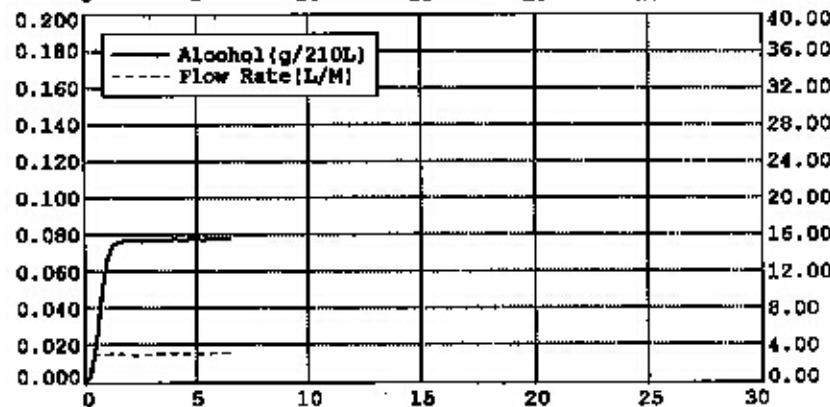
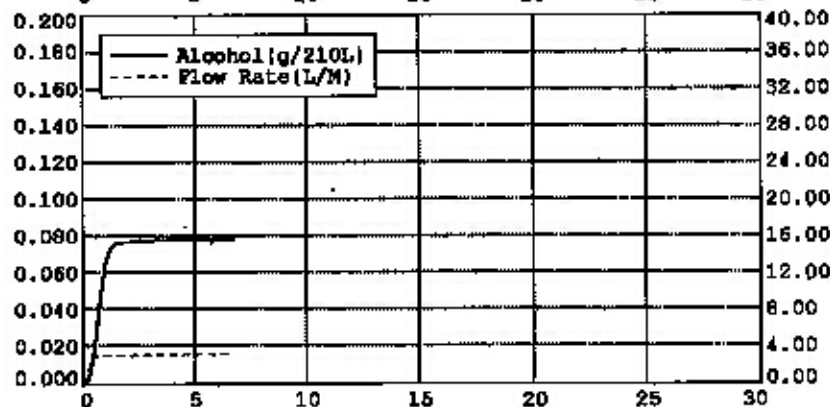
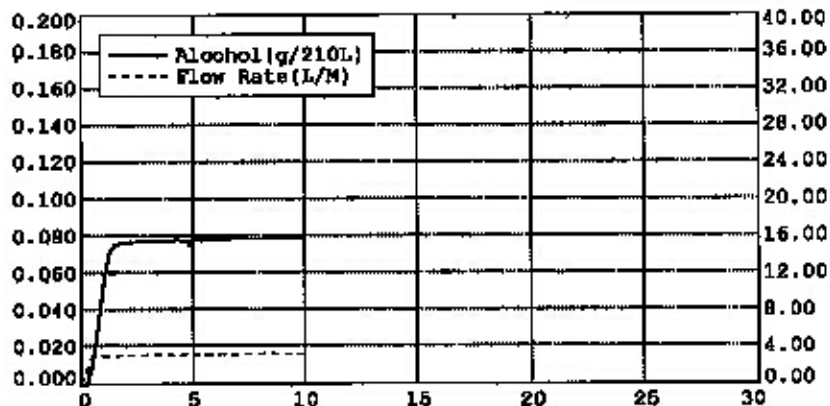
Alaska Department of Public Safety
 DATABASE# 100413

Date: 06/27/2011
 Time: 13:32:02

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.55: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:33
INTERNAL STANDARD	VERIFIED	13:33
EXTERNAL STANDARD	0.080	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.079	13:35
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.079	13:36
BLANK TEST	0.000	13:37
EXTERNAL STANDARD	0.079	13:37
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.078	13:38
BLANK TEST	0.000	13:39

Average = 0.0790
 Std Dev = 0.0007



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER Unit: 100413

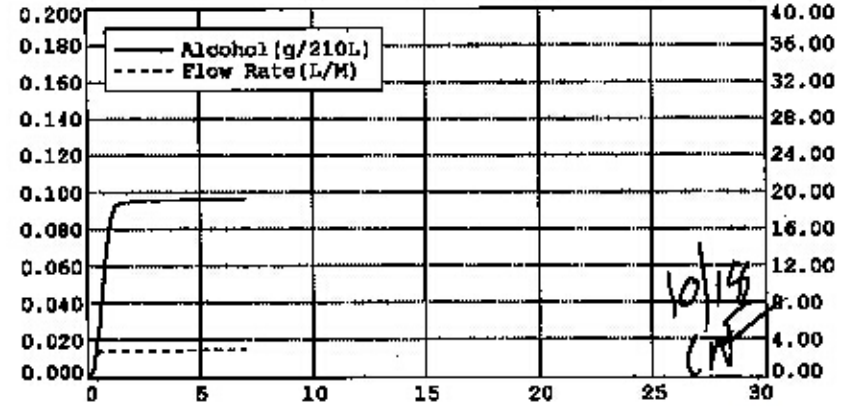
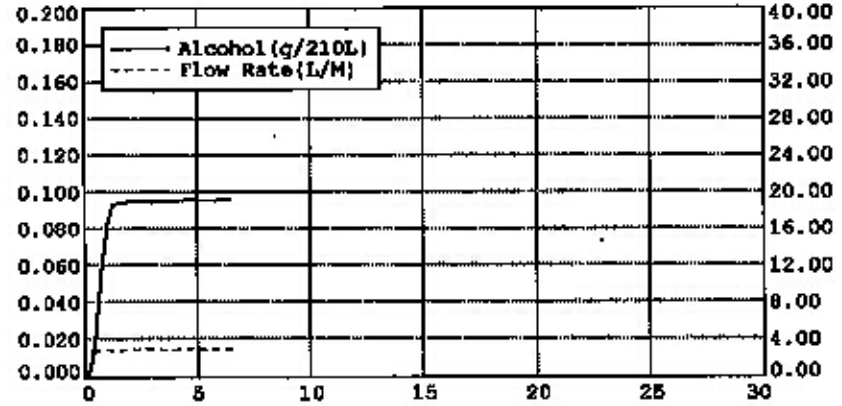
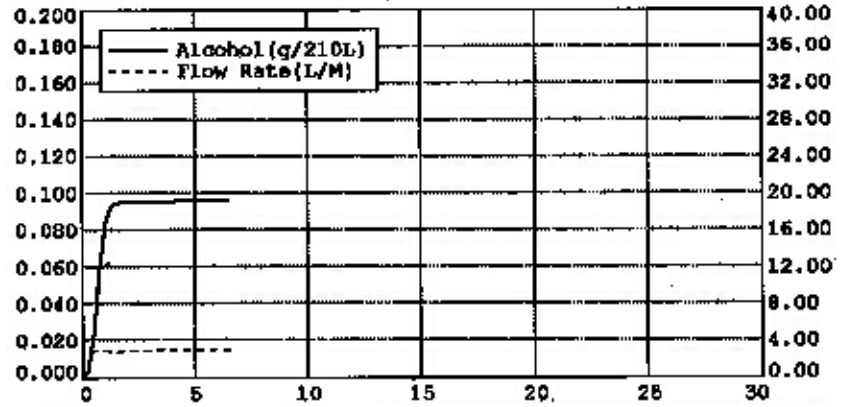
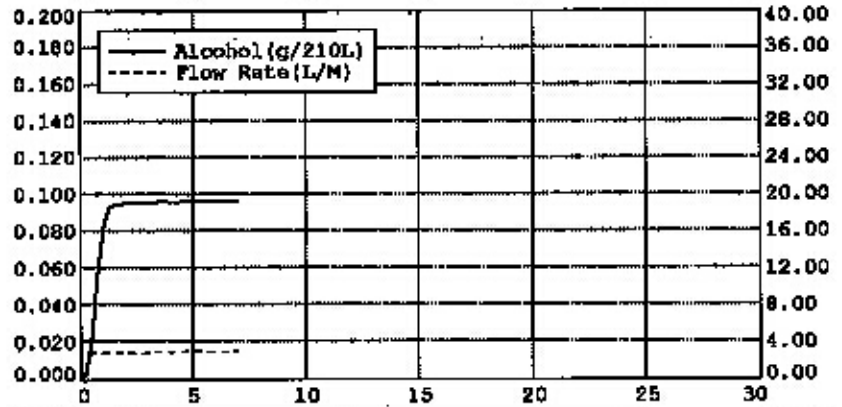
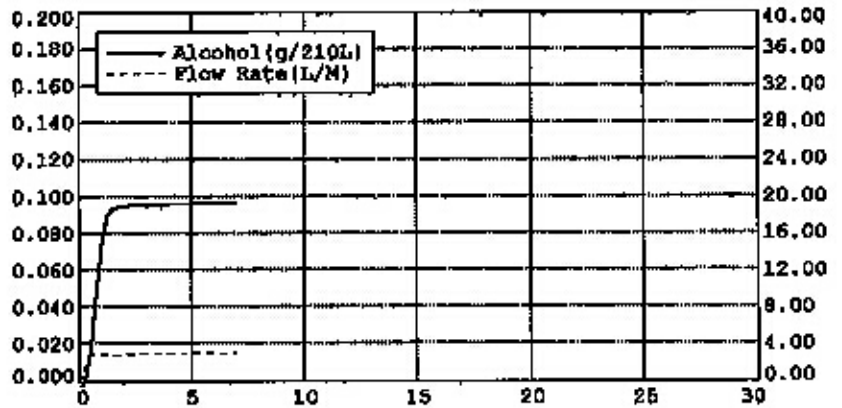
Date: 06/27/2011
 Time: 13:39:58

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.65: 0.099
 LOT #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:41
INTERNAL STANDARD	VERIFIED	13:41
EXTERNAL STANDARD	0.098	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.098	13:43
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.097	13:44
BLANK TEST	0.000	13:45
EXTERNAL STANDARD	0.097	13:45
BLANK TEST	0.000	13:46
EXTERNAL STANDARD	0.098	13:46
BLANK TEST	0.000	13:47

Average = 0.0976
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 5

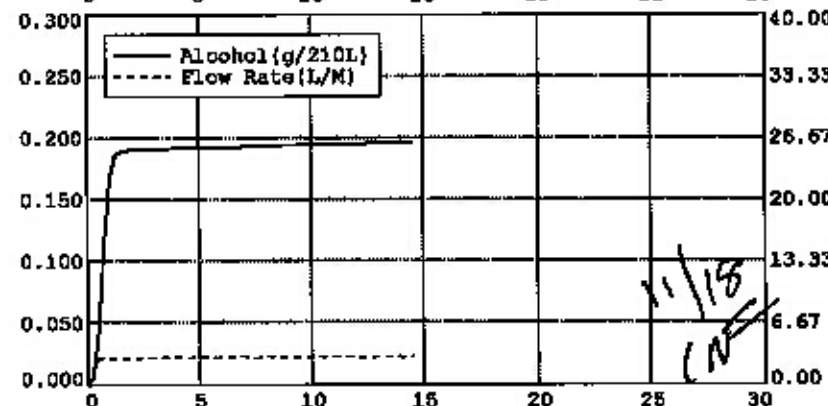
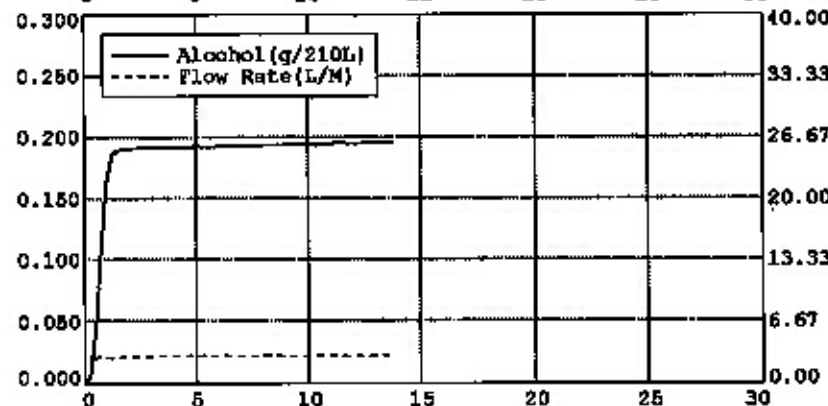
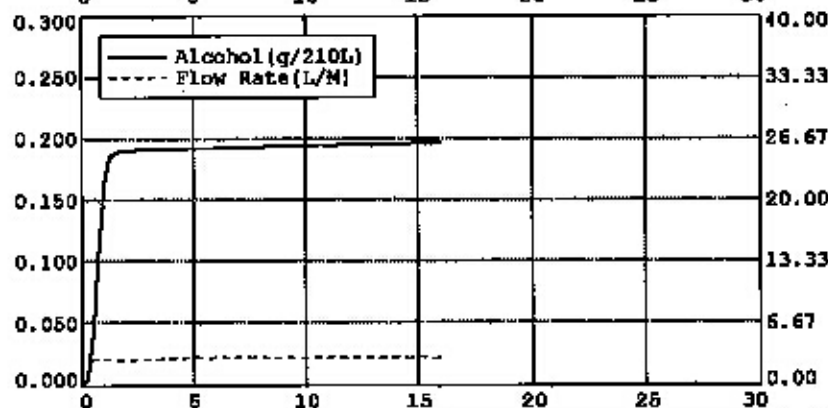
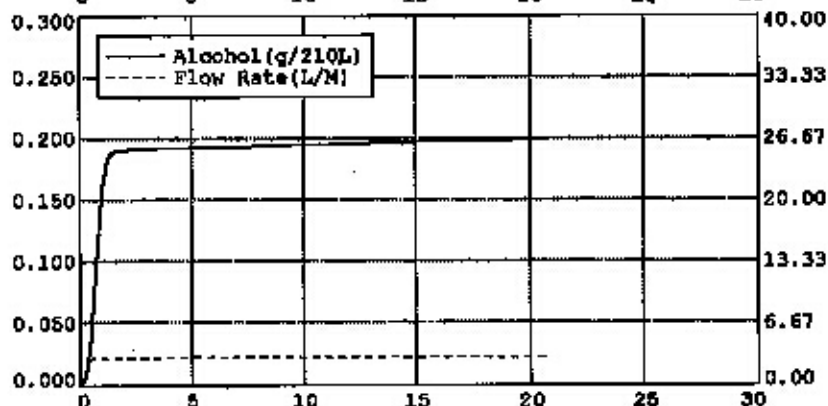
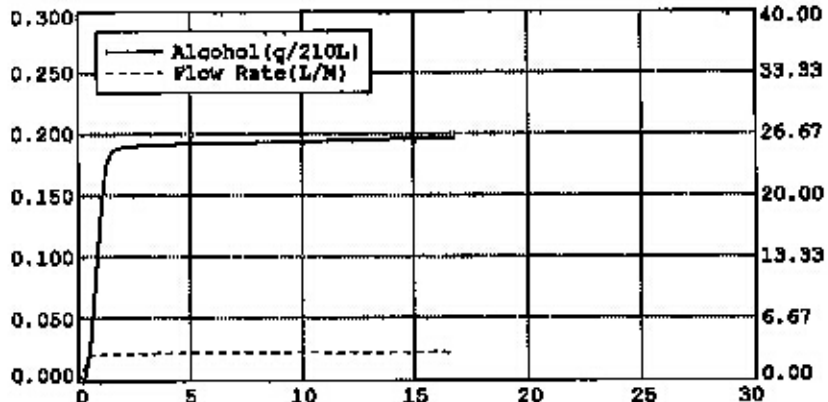
Alaska Department of Public Safety
 DATAMASTER dnt: 100413

Date: 06/27/2011
 Time: 13:48:22

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.64: 0.198
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:49
INTERNAL STANDARD	VERIFIED	13:49
EXTERNAL STANDARD	0.197	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.200	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.197	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.196	13:55
BLANK TEST	0.000	13:56
EXTERNAL STANDARD	0.197	13:56
BLANK TEST	0.000	13:57

Average = 0.1974
 Std Dev = 0.0015



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dat: 100413

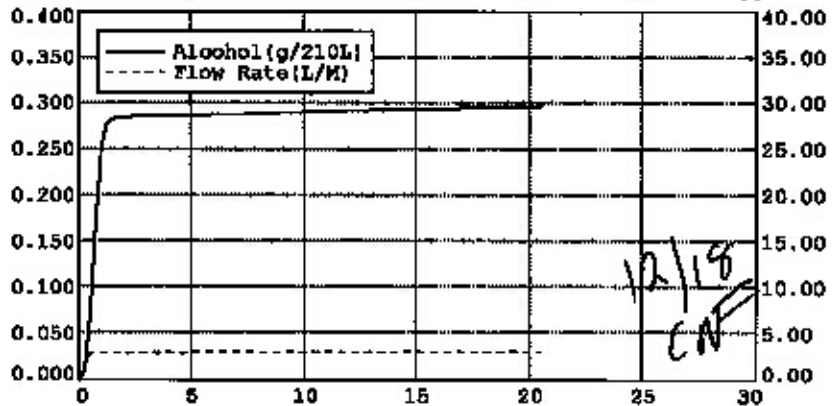
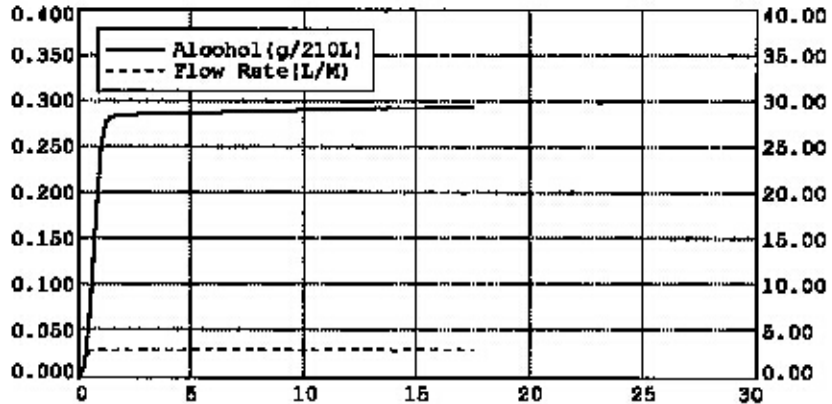
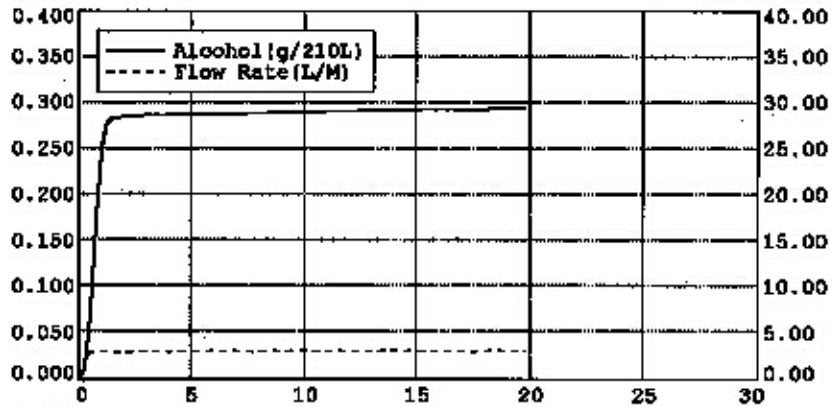
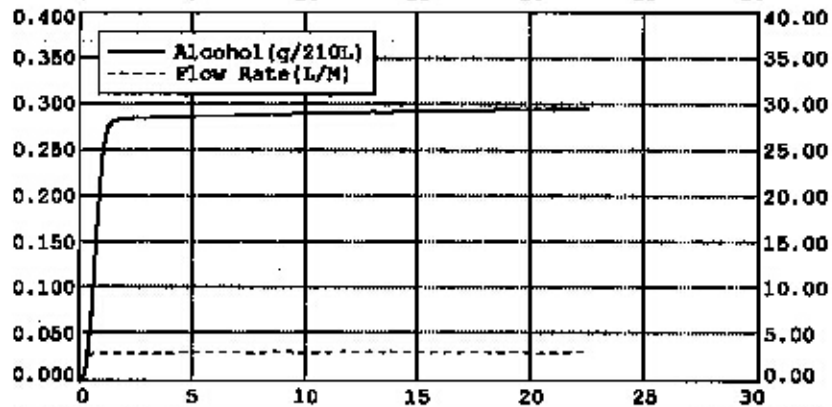
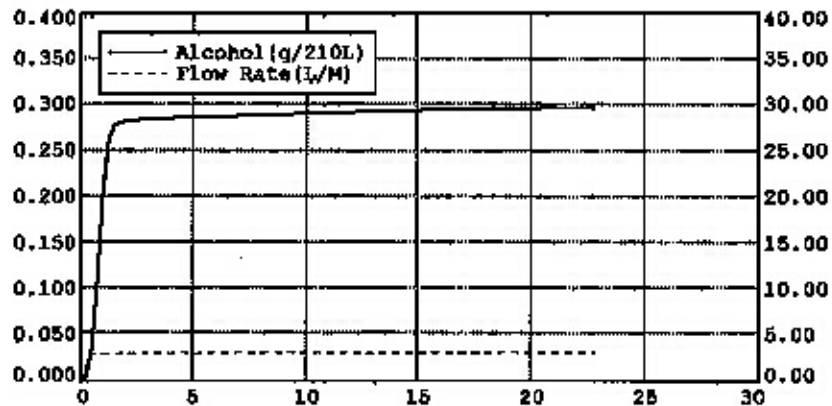
Date: 06/27/2011
Time: 14:13:21

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.64: 0.297
LOT #: 07411300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:14
INTERNAL STANDARD	VERIFIED	14:14
EXTERNAL STANDARD	0.296	14:15
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.295	14:17
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.293	14:18
BLANK TEST	0.000	14:20
EXTERNAL STANDARD	0.294	14:20
BLANK TEST	0.000	14:21
EXTERNAL STANDARD	0.295	14:22
BLANK TEST	0.000	14:23

Average = 0.2946
Std Dev = 0.0011



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER date: 100413

Date: 06/28/2011
 Time: 10:45:36

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

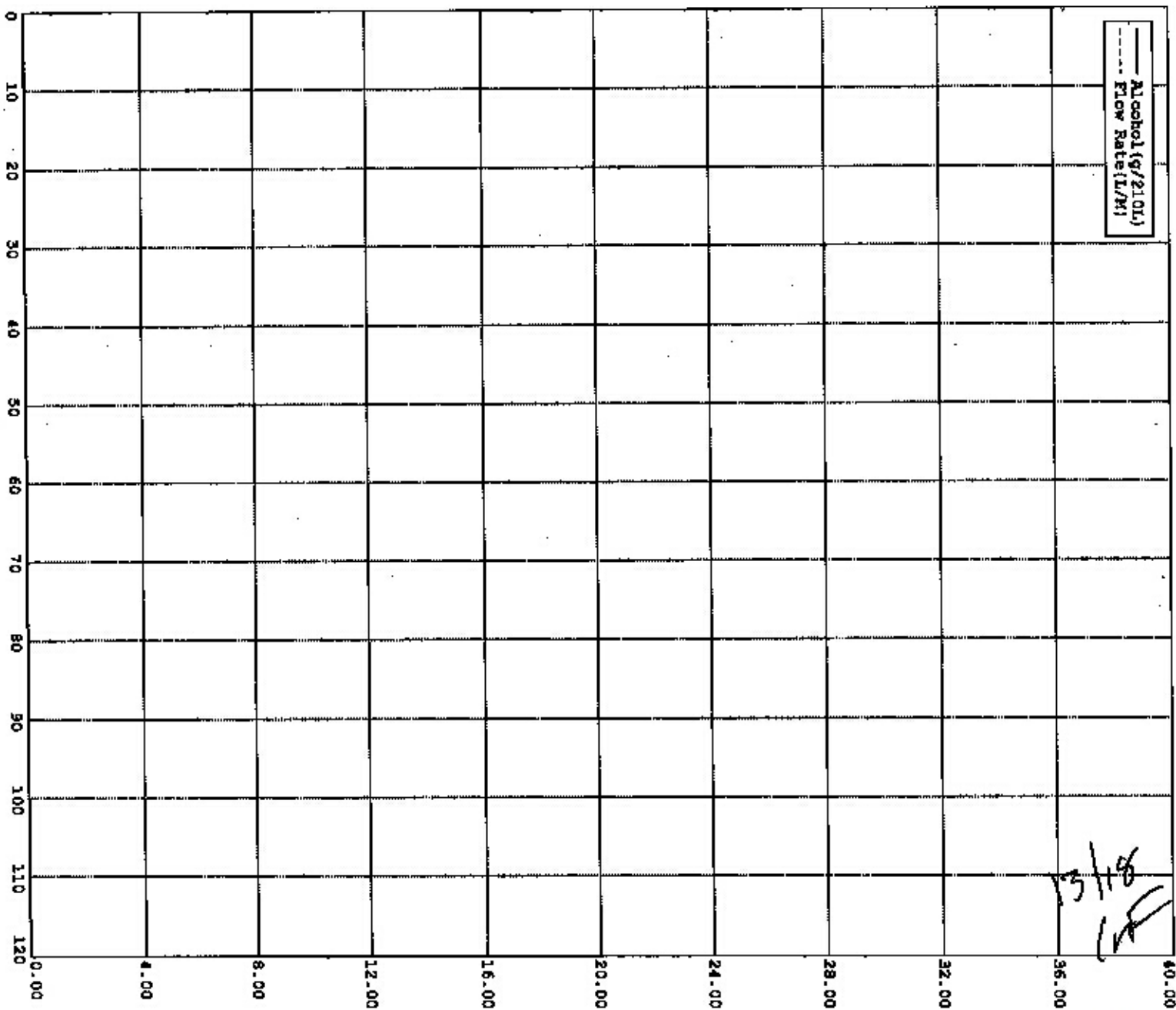
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.090
 TARGET AT 29.40: 0.078
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:46
BLANK TEST	0.000	10:46
INTERNAL STANDARD	VERIFIED	10:46
EXTERNAL STANDARD	0.078	10:47
BLANK TEST	0.000	10:48
SUBJECT SAMPLE	INCOMPLETE	10:50

CRF



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER date: 100413

Date: 06/28/2011
 Time: 10:59:57

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

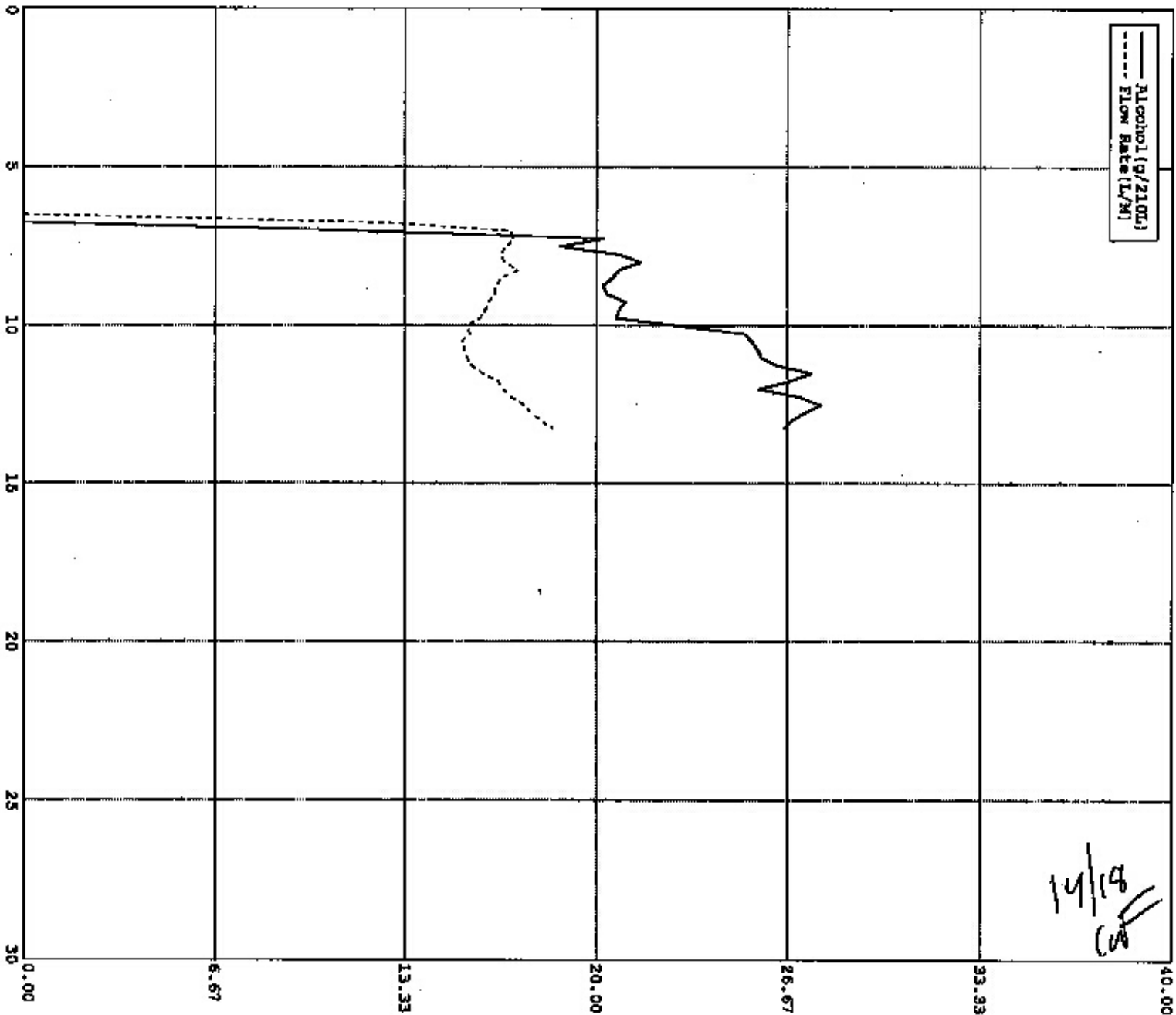
OPERATOR NAME:
 INVALID KNOWN MOUTH PUCH
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NORMAL: 0.080
 TARGET AG 29.39: 0.076
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:02
BLANK TEST	0.000	11:02
INTERNAL STANDARD	VERIFIED	11:02
EXTERNAL STANDARD	0.079	11:02
BLANK TEST	0.000	11:03
SUBJECT SAMPLE	INVALID	11:03

CRF



SUBJECT TEST

Alaska Department of Public Safety
 DATAMANAGER dmt: 100413

Date: 06/28/2011
 Time: 11:13:19

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

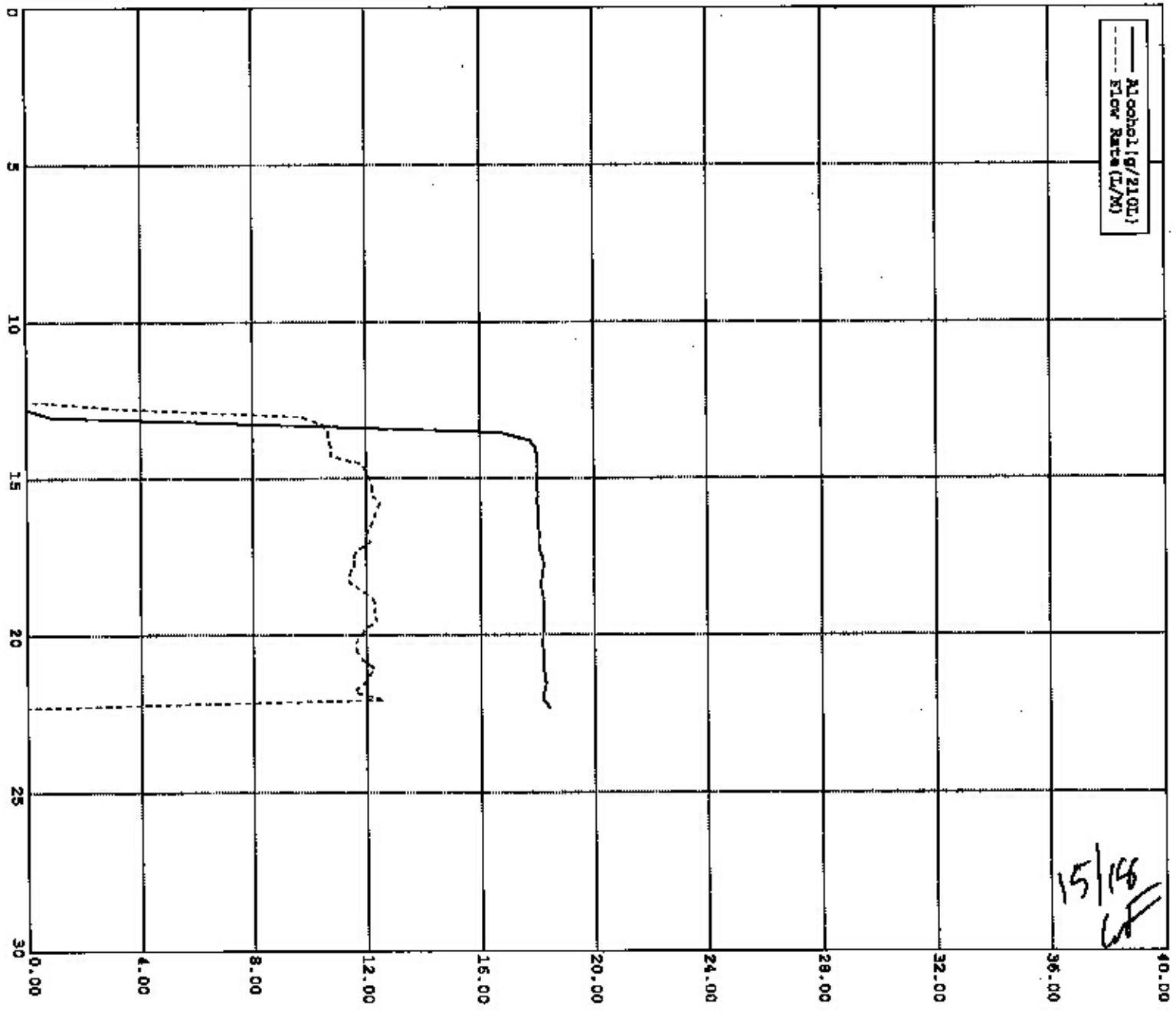
OPERATOR NAME:
 INTERFERENCE FTOE AND ACTIONS
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.40: 0.078
 LOT #: 02511090A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:15
BLANK TEST	0.000	11:15
INTERNAL STANDARD	VERIFIED	11:15
EXTERNAL STANDARD	0.078	11:15
BLANK TEST	0.000	11:16
SUBJECT SAMPLE	INTERFERENCE	11:16

CRF



SUBJECT TEST

Alaska Department of Public Safety
DATUMASTER dnr: 100413

Date: 06/28/2011
Time: 11:19:19

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

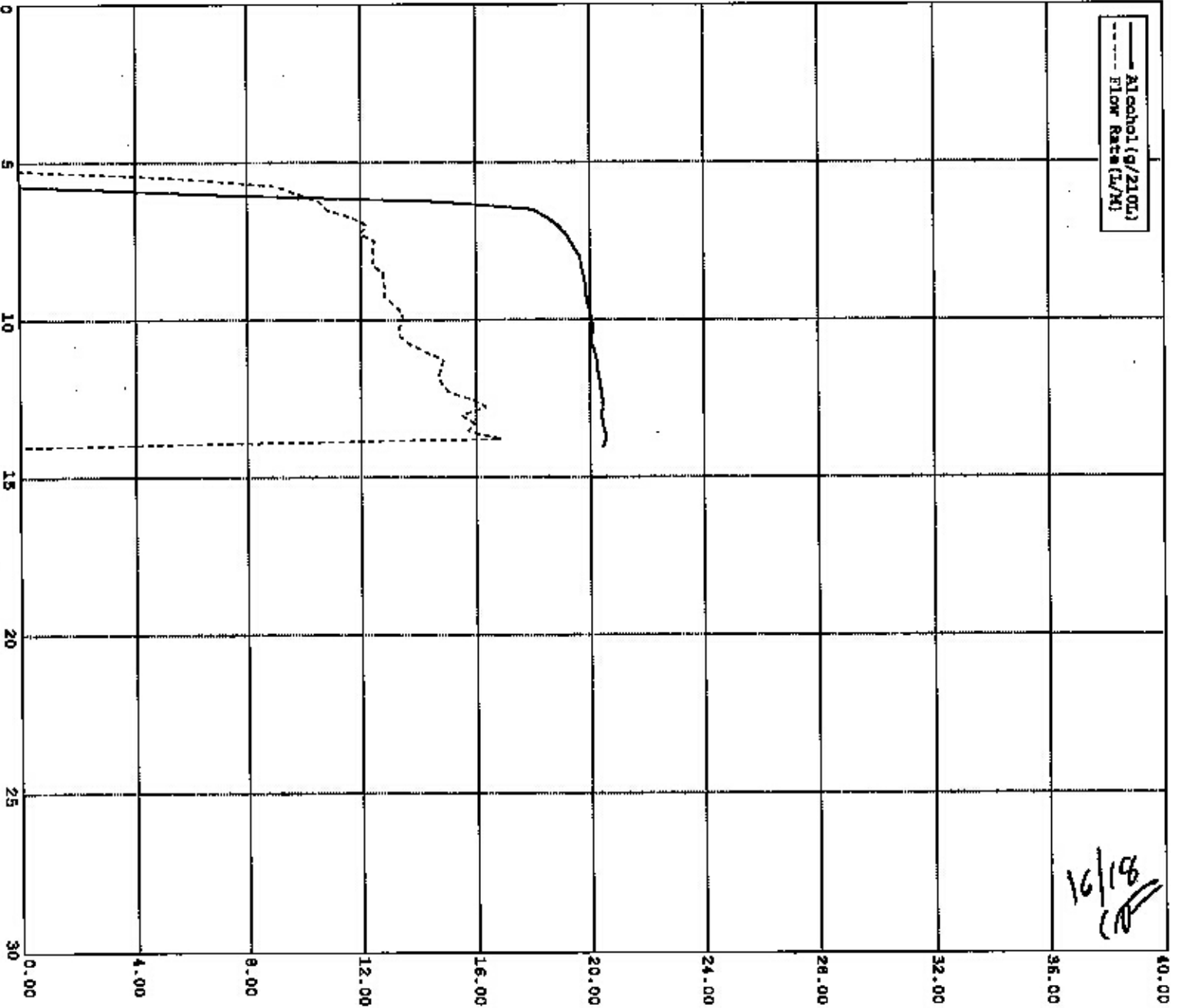
OPERATOR NAME:
INTERFERENCE STOP AND TEA
OPERATOR'S #: XXXX

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

REFERENCE STANDARD INFORMATION
NOMINAL: 0.08g
TARGET AT 29.39: 0.07g
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:20
BLANK TEST	0.000	11:20
INTERNAL STANDARD	VERIFIED	11:20
EXTERNAL STANDARD	0.078	11:21
BLANK TEST	0.000	11:22
SUBJECT SAMPLE	INTERFERENCE	11:22

CRF



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dmt: 100413

Date: 06/28/2011
 Time: 11:26:14

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

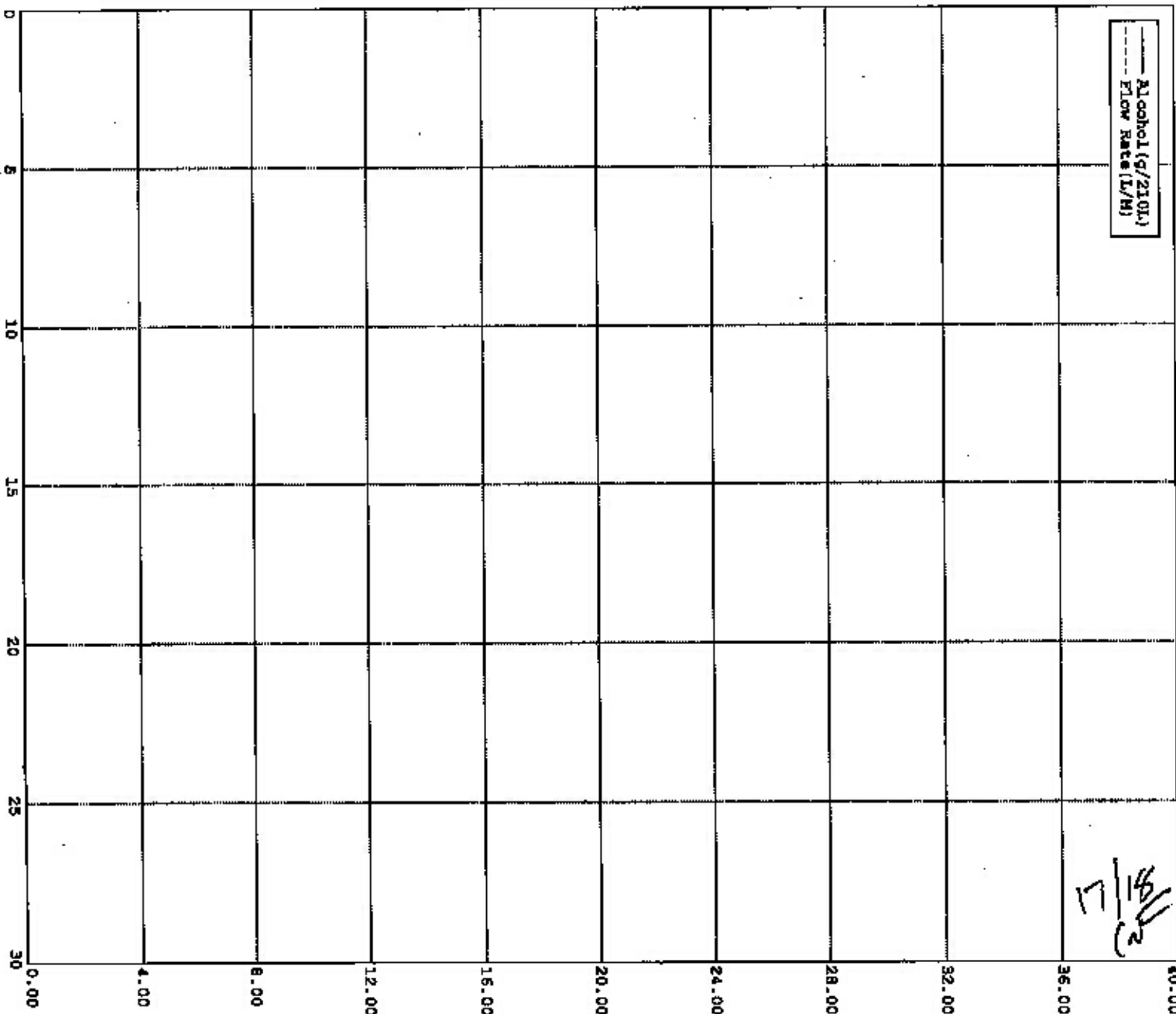
OPERATOR NAME:
 RPI XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.40: 0.078
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
 BLANK TEST PASSED 11:27
 INTERNAL STANDARD VERIFIED 11:27
 EXTERNAL STANDARD 0.078 11:28
 BLANK TEST 0.000 11:29

RFT Detected



LH
 2/11

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmr: 100413

Date: 06/28/2011
 Time: 11:33:57

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

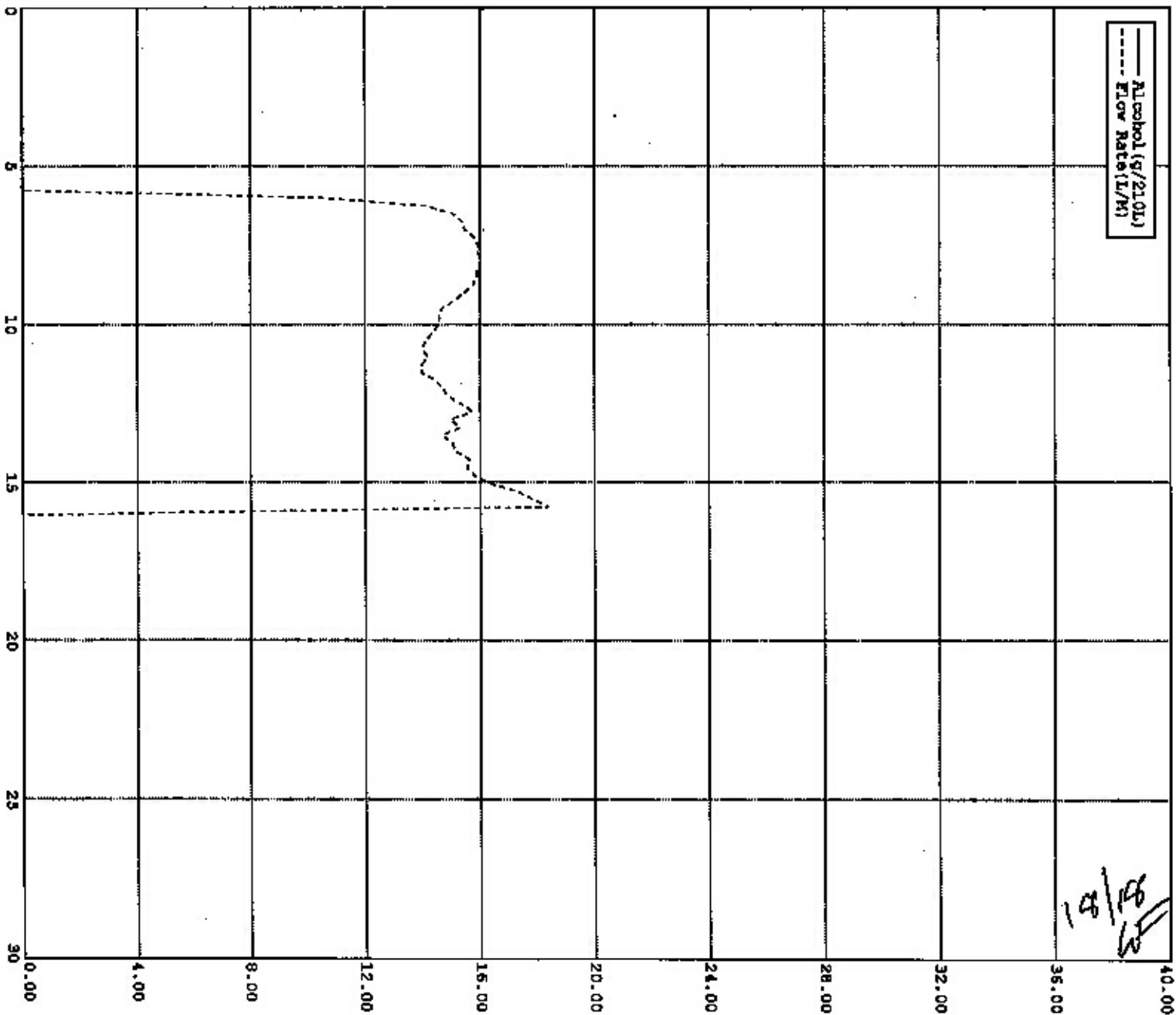
OPERATOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.39: 0.078
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:34
BLANK TEST	0.000	11:35
INTERNAL STANDARD	0.078	11:35
EXTERNAL STANDARD	0.000	11:36
BLANK TEST	0.000	11:36
SUBJECT SAMPLE	0.000	11:37
BLANK TEST	0.078	11:37
EXTERNAL STANDARD	0.000	11:38
BLANK TEST	0.000	11:38

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