

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Issued: 04/04/2012

Version: DMCEF2012 R1

Effective: 04/04/2012

Status: Active

Instrument S/N 100679 Analyst CRF Start Date 5/2/12Diagnostic Test (attached) ☒

1. Voltage Checks

a. Adjust voltages, if needed ☒

i. Lamp (2.6V Maximum)

ii. Bias (80V)

iii. Cooler (2.0V Maximum)

iv. Chopper Frequency

v. Detector Voltage (-0.100V
to 0.100V)b. Set RFI ☒c. Adjust barometer reading to match NIST traceable barometer ☒d. Adjust volume setting, if needed (1.5L +/- 0.1L) ☒

e. Print Technician Screen (attached)

2. Print Calibration Factors (attached)

3. Volume Test - Minimum 1400 mL (1.3L to 1.7L) ☒

4. Linearity Test (attached)

a. Levels Used ☒i. 0.020g/210L Mnf ILMO Lot 07611020A5 Exp 3/1/13ii. 0.040g/210L Mnf ILMO Lot 07611040A4 Exp 3/1/13iii. 0.080g/210L Mnf ILMO Lot 02012080A1 Exp 3/1/14iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 3/1/13v. 0.200g/210L Mnf Guth Lot 11120 Exp 7/19/131. Simulator S/N SD1176 Date Calibrated 8/17/11vi. 0.300g/210L Mnf Guth Lot 11110 Exp 7/13/131. Simulator S/N DR4176 Date Calibrated 2/21/12

5. Functional Tests (attached)

a. Incomplete ☒b. Invalid ☒c. Interference ☒i. Acetone - Mnf Guth Lot 11200 Level 0.080 Exp 10/11/131. Simulator S/N SD1199 Date Calibrated 1/11/12ii. Isopropanol - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/121. Simulator S/N DR6267 Date Calibrated 1/10/12iii. Negative Control - Mnf Guth Lot 11250 Level 0.100 Exp 12/6/131. Simulator S/N SD1202 Date Calibrated 8/17/11d. RFI ☒6. Verify stylus is calibrated ☒7. Verify card reader is functional ☒8. Reset Options ☒9. Clear Memory ☒10. Verification of Calibration ☒11. Non-Drinking Subject Test (attached) ☒12. Upload ☒

13. Update agency information and polling

status in DM Host Calling Program ☒End Date 5/7/12

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All printed copies are uncontrolled.

Approved by Forensic Alcohol Supervisor

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100679

Date: 05/02/2012
Time: 12:31:34

VERSIONS

DMT: 2.00
PIC: 3.03
Modem: 2.3
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.1°C	PASSED
Breath Tube = 46.3°C	PASSED

PUMP INFO

Flow Rate = 4.252 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

INTERNAL STANDARD	PASSED
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CRF
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Technician Screen

DATAMASTER dmt: 100679

Date: 05/02/2012

Time: 12:57 PM

Temperatures (°C)

Sample Cell: 49.4°C

Breath Tube: 45.5°C

Current Barometer 29.7 in

Volume (Ltr) 1.51

Settings

Lamp: 1.75 V

Bias: 79 V

Cooler: 1.73 V

Chopper: 526 Hz

Voltages (V)

Flow: 1.05 V

Detector: -0.037 V

CRF
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CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100679

Date: 10/26/2011
Time: 06:48:21

Ca	=	0.1000		
CAL	=	0.972703	0.800	<= CAL < 1.200
b1	=	0.0003	0.0000	<= b1 < 0.0040
b2	=	0.0035	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xq	=	0.0998	0.0500	<= Xq < 0.2000
a21	=	1.124684	1.050	<= a21 < 1.300
a31	=	0.535932	0.300	<= a31 < 0.800

CRF
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SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100679

Date: 05/02/2012
 Time: 13:07:39

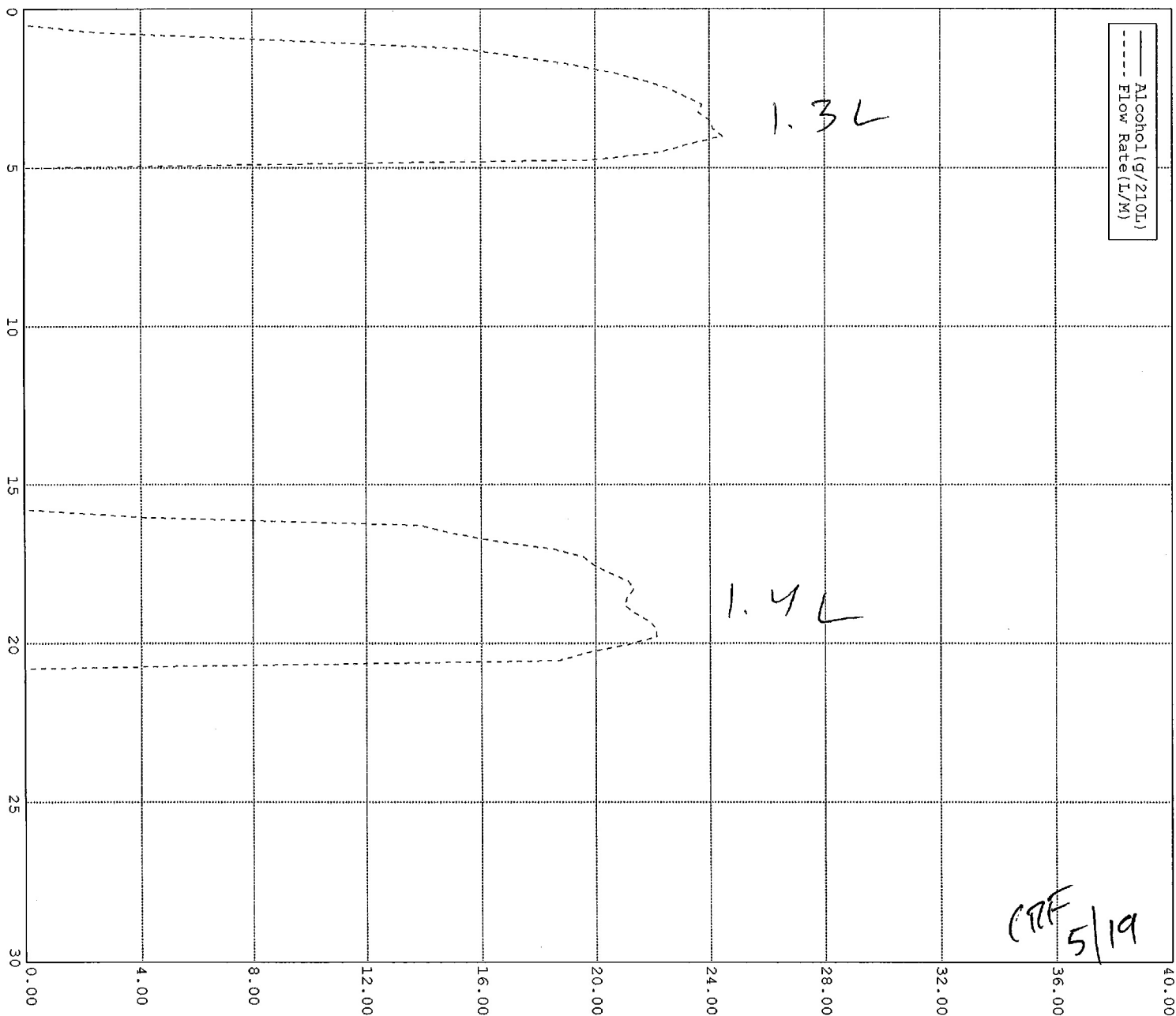
SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.65: 0.079
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	13:09
BLANK TEST	0.000	13:10
INTERNAL STANDARD	VERIFIED	13:10
EXTERNAL STANDARD	0.078	13:10
BLANK TEST	0.000	13:11
SUBJECT SAMPLE	0.000	13:11
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.078	13:12
BLANK TEST	0.000	13:13



LINEARITY CHECK

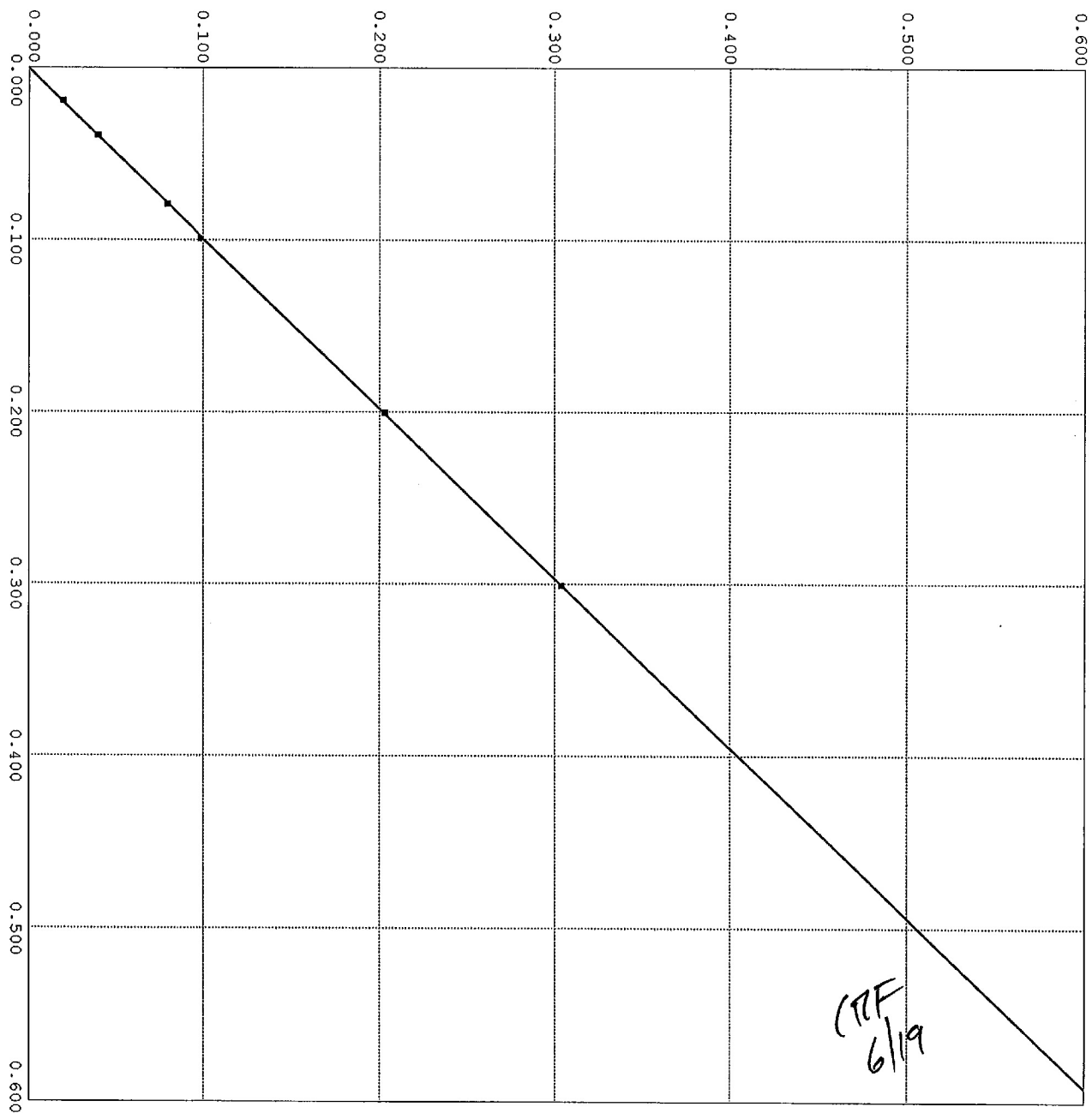
Alaska Department of Public Safety
 DATAMASTER dnt: 100679

Date: 05/02/2012
 Time: 13:49:02

SUPERVISOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0202	0.0004
0.039	0.0402	0.0002
0.079	0.0795	0.0004
0.099	0.0989	0.0002
0.200	0.2038	0.0004
0.300	0.3046	0.0004

SLOPE = 1.015047
 R^2 = 0.999917



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100679

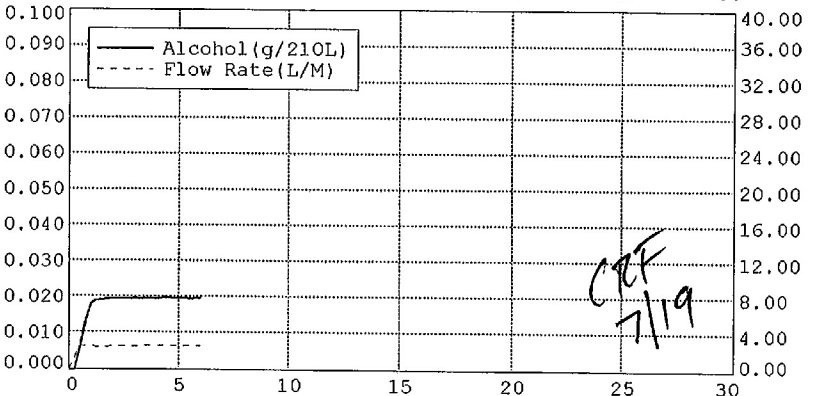
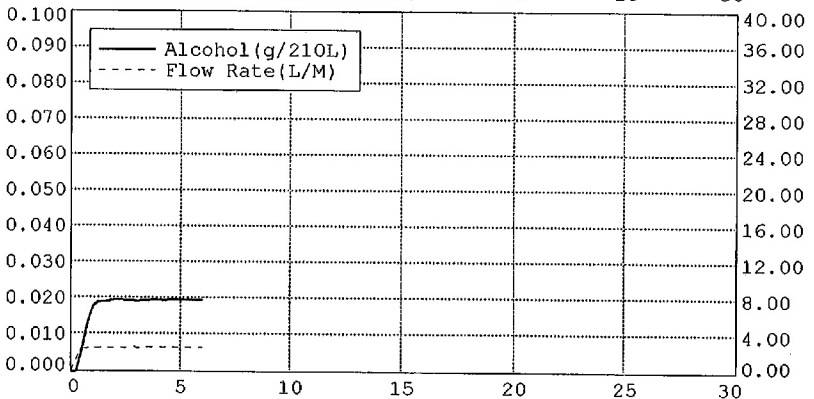
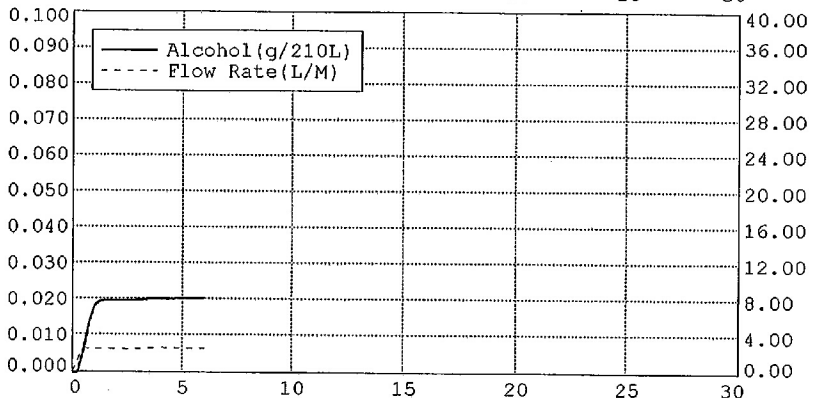
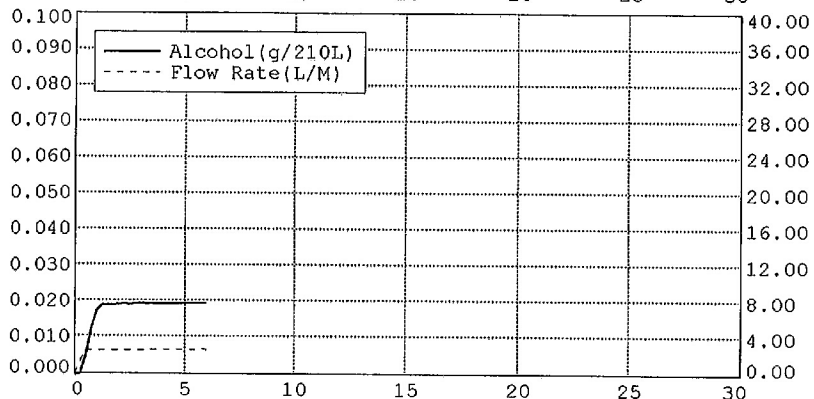
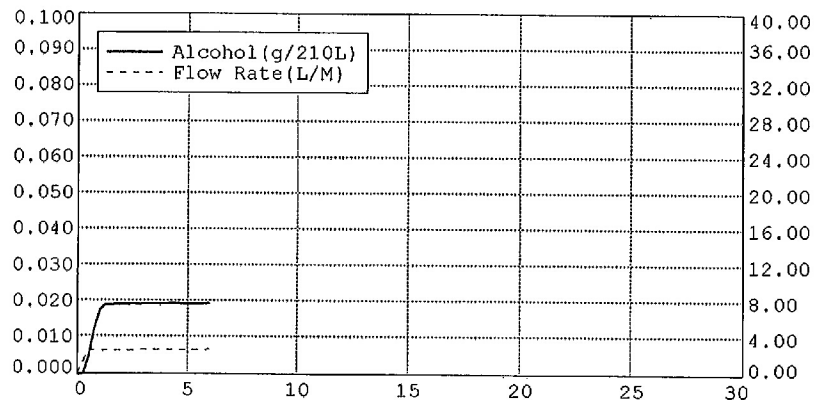
Date: 05/02/2012
Time: 13:49:02

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.64: 0.019
LOT #: 07611020A5
EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:50
INTERNAL STANDARD	VERIFIED	13:50
EXTERNAL STANDARD	0.019	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.019	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.020	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.020	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.020	13:54
BLANK TEST	0.000	13:55

Average = 0.0202
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100679

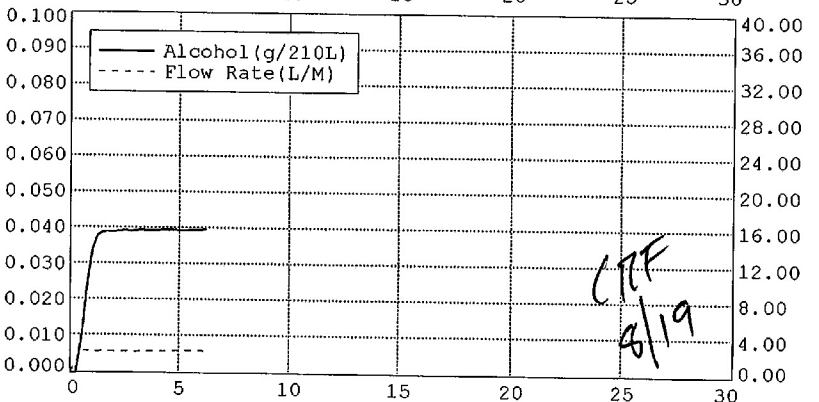
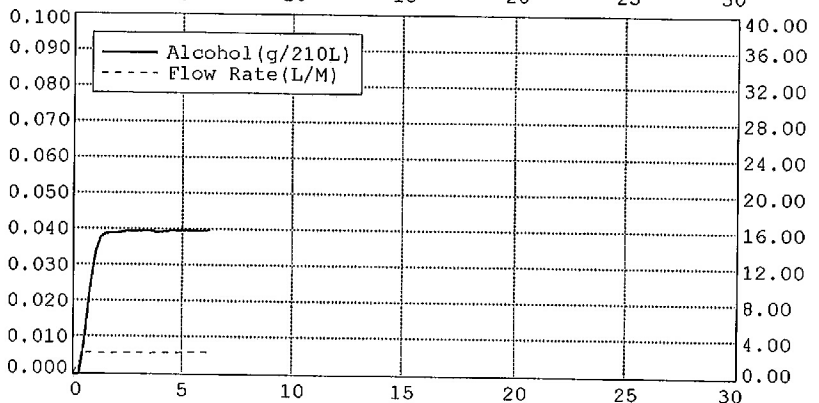
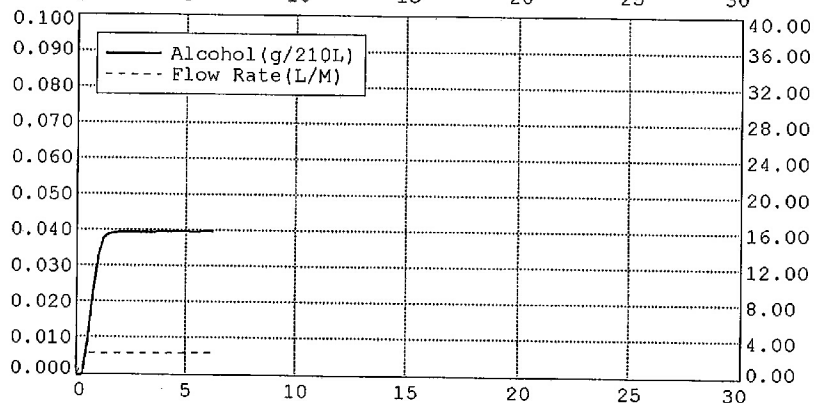
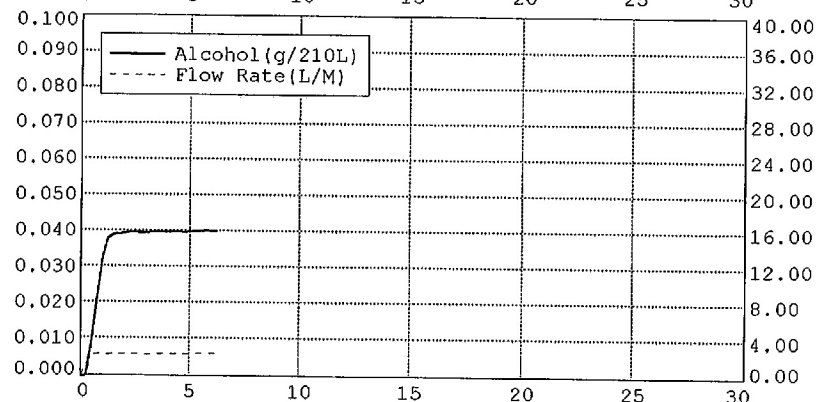
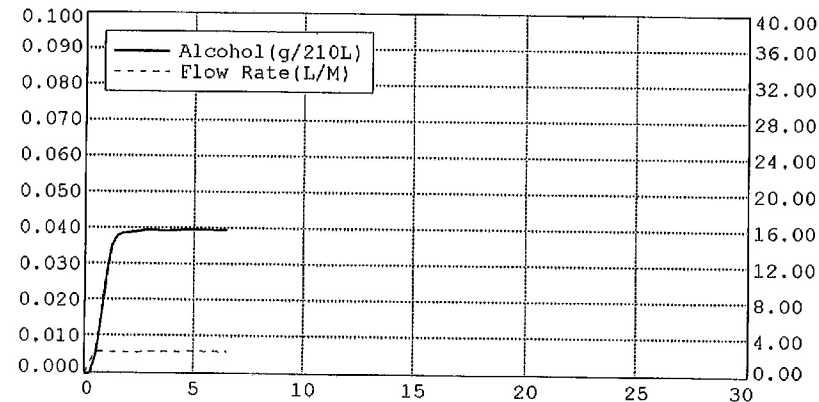
Date: 05/02/2012
Time: 13:56:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.64: 0.039
LOT #: 07611040A4
EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:57
INTERNAL STANDARD	VERIFIED	13:57
EXTERNAL STANDARD	0.040	13:58
BLANK TEST	0.000	13:59
EXTERNAL STANDARD	0.040	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.040	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.040	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.040	14:02
BLANK TEST	0.000	14:03

Average = 0.0402
Std Dev = 0.0002



LINEARITY CHECK: Control Test 3

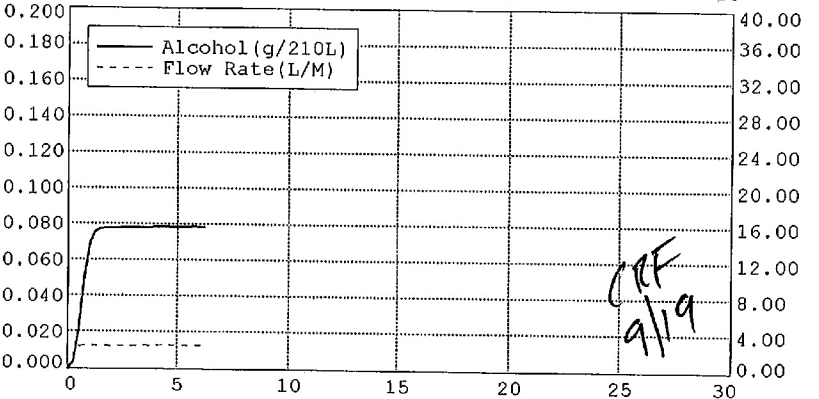
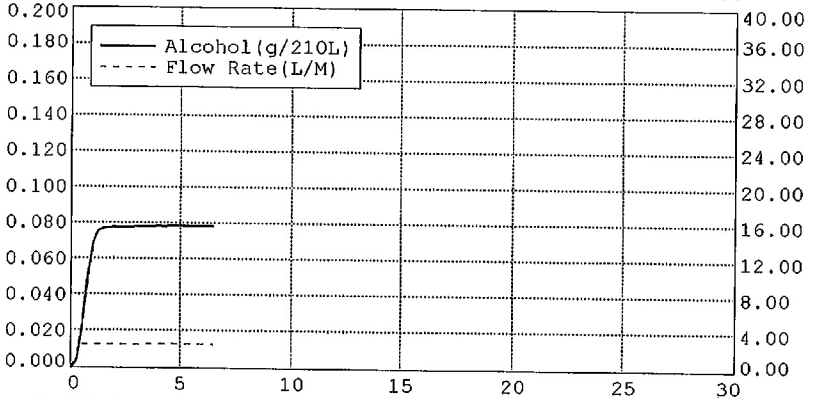
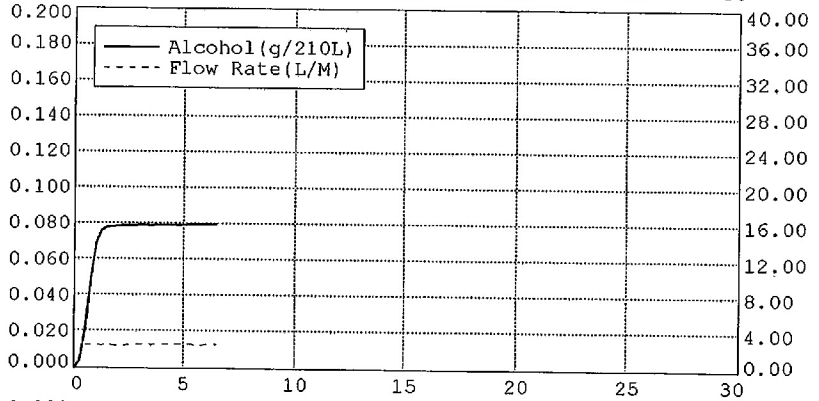
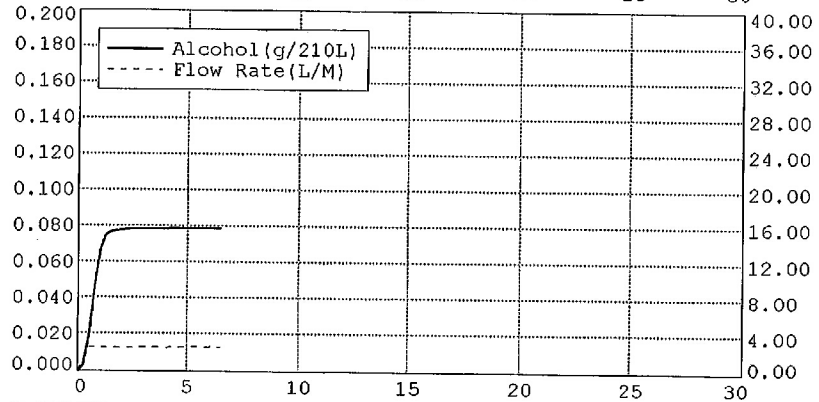
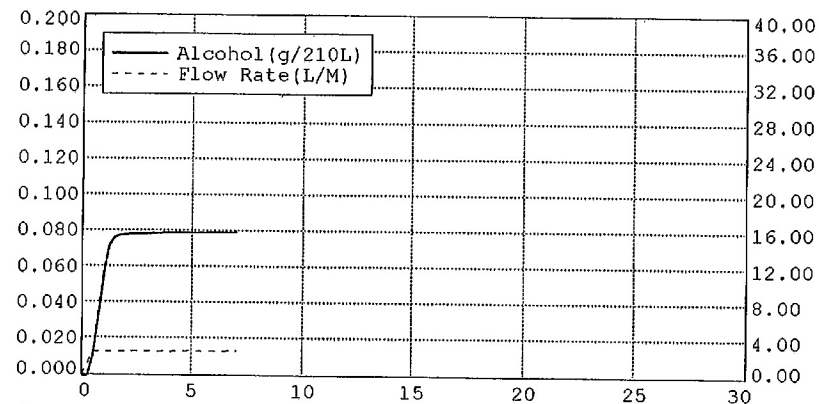
Alaska Department of Public Safety
DATAMASTER dmt: 100679

Date: 05/02/2012
Time: 14:04:51

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.64: 0.079
LOT #: 02012080A1
EXPIRATION: 03/01/2014

BLANK TEST	0.000	14:06
INTERNAL STANDARD	VERIFIED	14:06
EXTERNAL STANDARD	0.079	14:06
BLANK TEST	0.000	14:07
EXTERNAL STANDARD	0.079	14:07
BLANK TEST	0.000	14:08
EXTERNAL STANDARD	0.080	14:08
BLANK TEST	0.000	14:09
EXTERNAL STANDARD	0.079	14:09
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.079	14:10
BLANK TEST	0.000	14:11

Average = 0.0795
Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

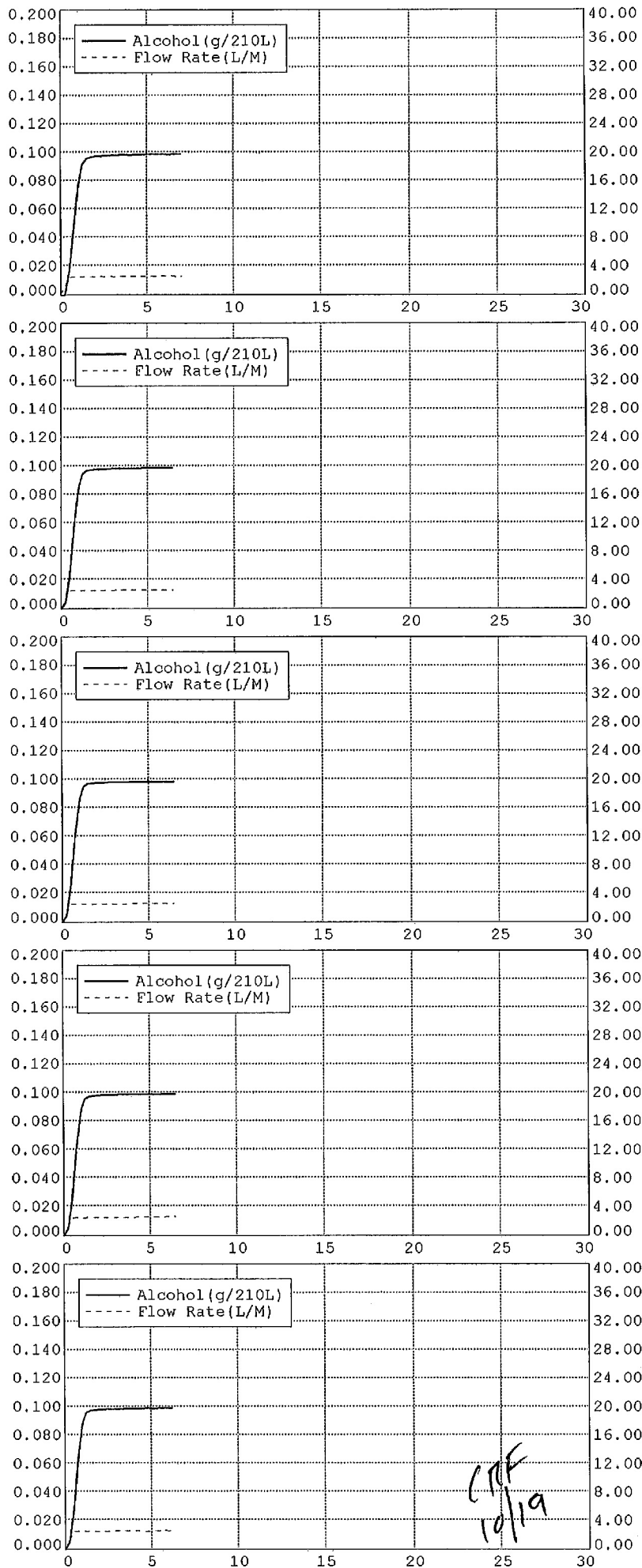
Alaska Department of Public Safety
DATAMASTER dmt: 100679

Date: 05/02/2012
Time: 14:14:36

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100
TARGET AT 29.64; 0.099
LOT #: 07611100A3
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:15
INTERNAL STANDARD	VERIFIED	14:15
EXTERNAL STANDARD	0.098	14:16
BLANK TEST	0.000	14:17
EXTERNAL STANDARD	0.098	14:17
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.098	14:18
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.099	14:19
BLANK TEST	0.000	14:20
EXTERNAL STANDARD	0.099	14:20
BLANK TEST	0.000	14:21

Average = 0.0989
Std Dev = 0.0002



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
DATAMASTER dmt: 100679

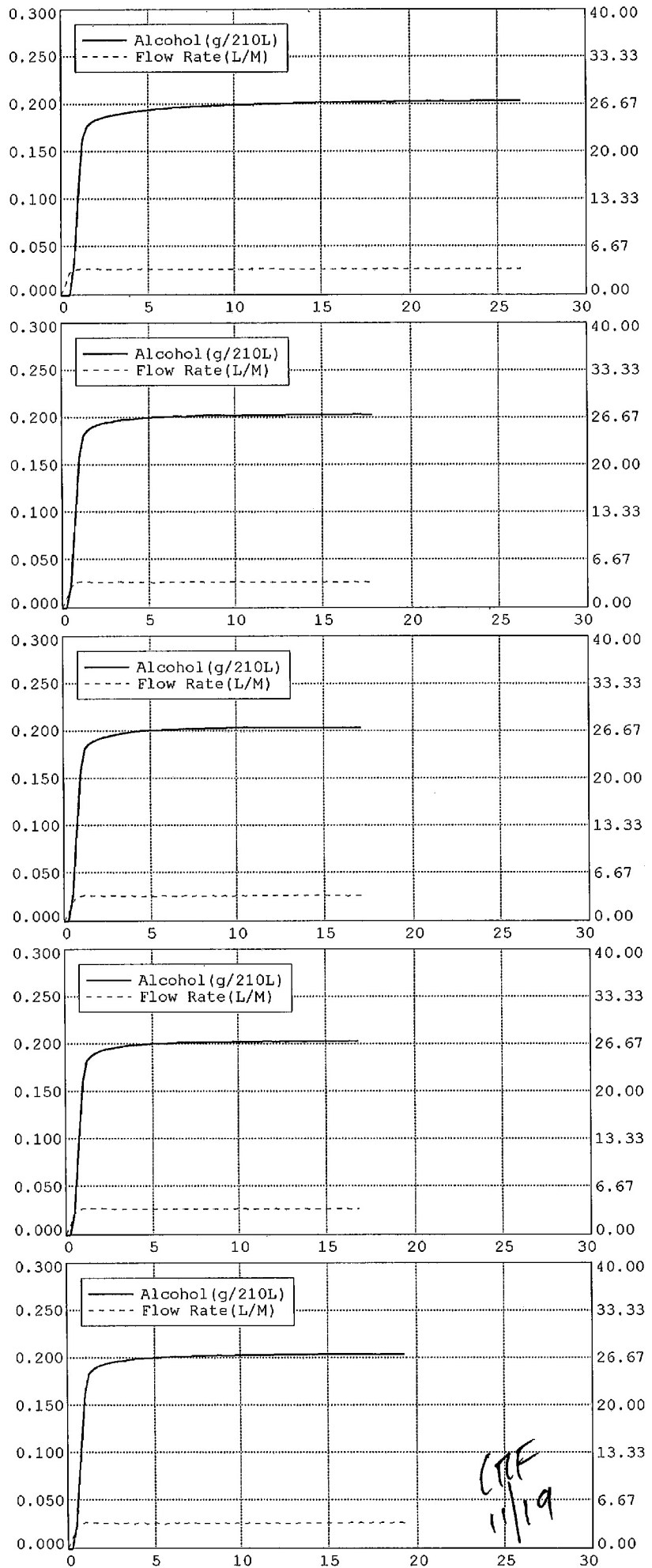
Date: 05/02/2012
Time: 14:25:07

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
LOT #: 11120
EXPIRATION: 07/19/2013

BLANK TEST	0.000	14:26
INTERNAL STANDARD	VERIFIED	14:26
EXTERNAL STANDARD	0.203	14:27
BLANK TEST	0.000	14:28
EXTERNAL STANDARD	0.203	14:28
BLANK TEST	0.000	14:29
EXTERNAL STANDARD	0.204	14:29
BLANK TEST	0.000	14:30
EXTERNAL STANDARD	0.203	14:31
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.204	14:32
BLANK TEST	0.000	14:33

Average = 0.2038
Std Dev = 0.0004



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100679

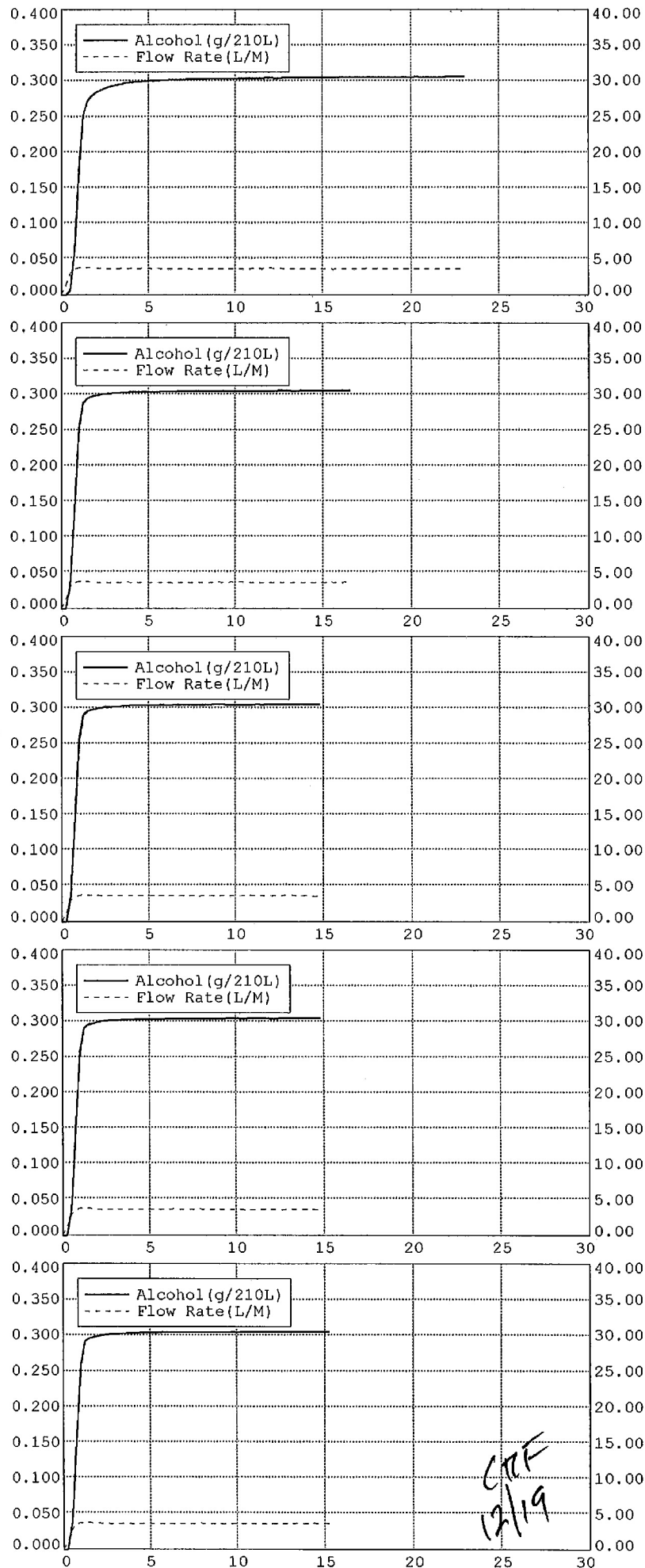
Date: 05/02/2012
Time: 14:38:54

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
LOT #: 11110
EXPIRATION: 07/13/2013

BLANK TEST	0.000	14:40
INTERNAL STANDARD	VERIFIED	14:40
EXTERNAL STANDARD	0.305	14:41
BLANK TEST	0.000	14:42
EXTERNAL STANDARD	0.304	14:42
BLANK TEST	0.000	14:43
EXTERNAL STANDARD	0.304	14:43
BLANK TEST	0.000	14:44
EXTERNAL STANDARD	0.304	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.304	14:46
BLANK TEST	0.000	14:47

Average = 0.3046
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100679

Date: 05/04/2012
Time: 08:29:33

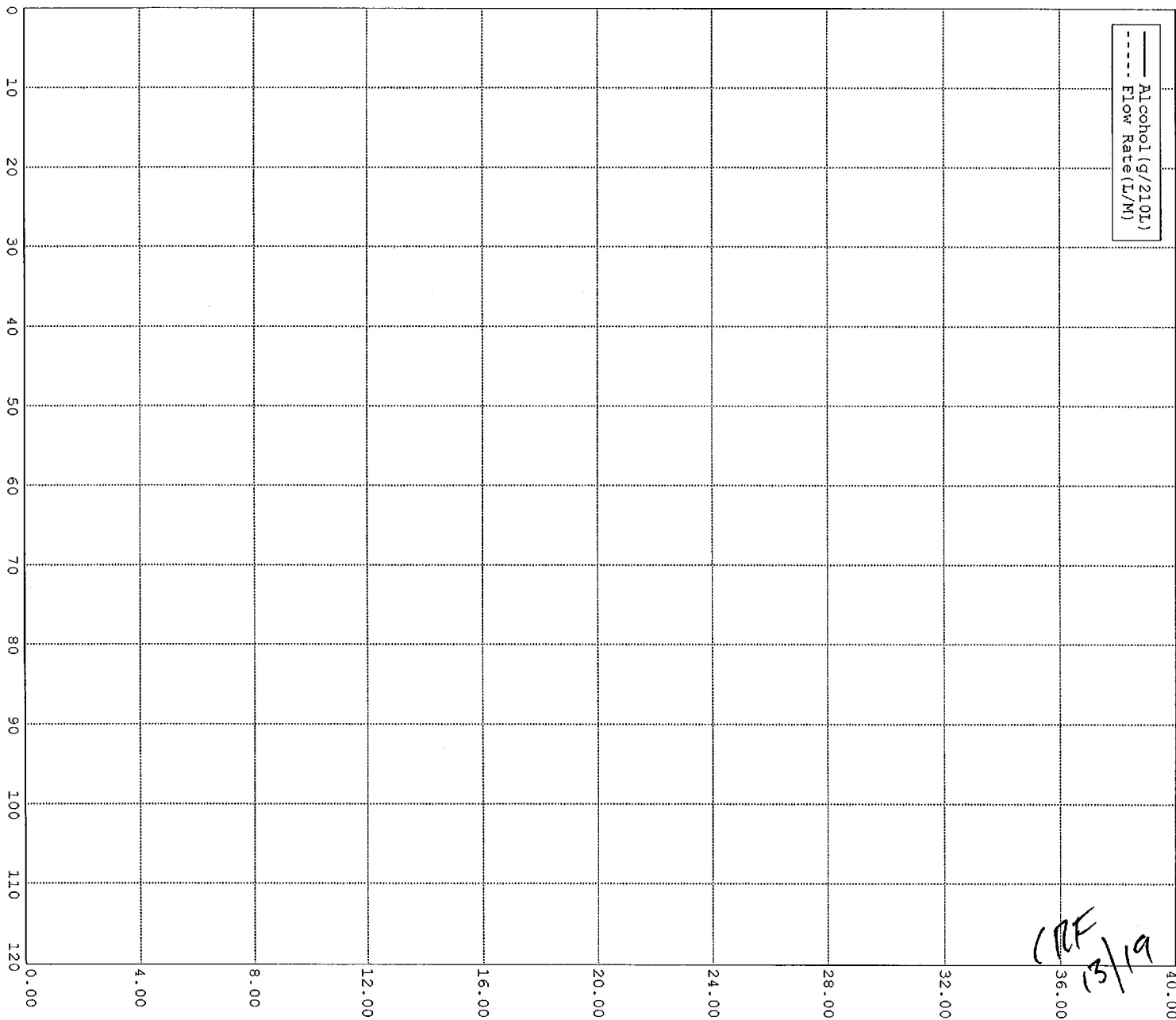
SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
INCOMPLETE XXXX
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.68: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	08:31
BLANK TEST	0.000	08:31
INTERNAL STANDARD	VERIFIED	08:31
EXTERNAL STANDARD	0.078	08:31
BLANK TEST	0.000	08:32
SUBJECT SAMPLE	INCOMPLETE	08:34



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100679

Date: 05/04/2012
Time: 10:34:37

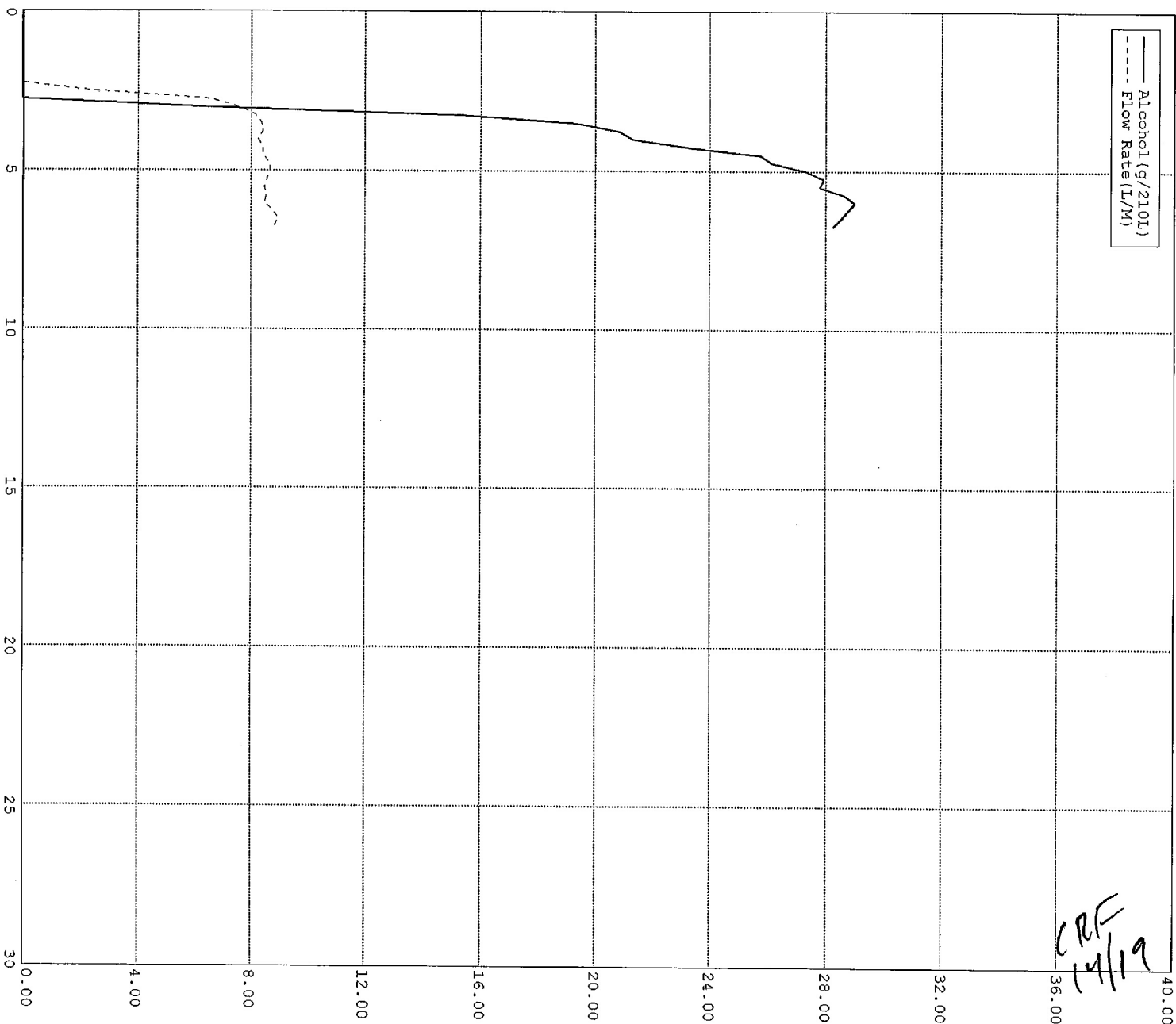
SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
INVALID MOUTH ETOH
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	10:38
BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:38
EXTERNAL STANDARD	0.077	10:39
BLANK TEST	0.000	10:39
SUBJECT SAMPLE	INVALID	10:40



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100679

Date: 05/04/2012
Time: 10:54:11

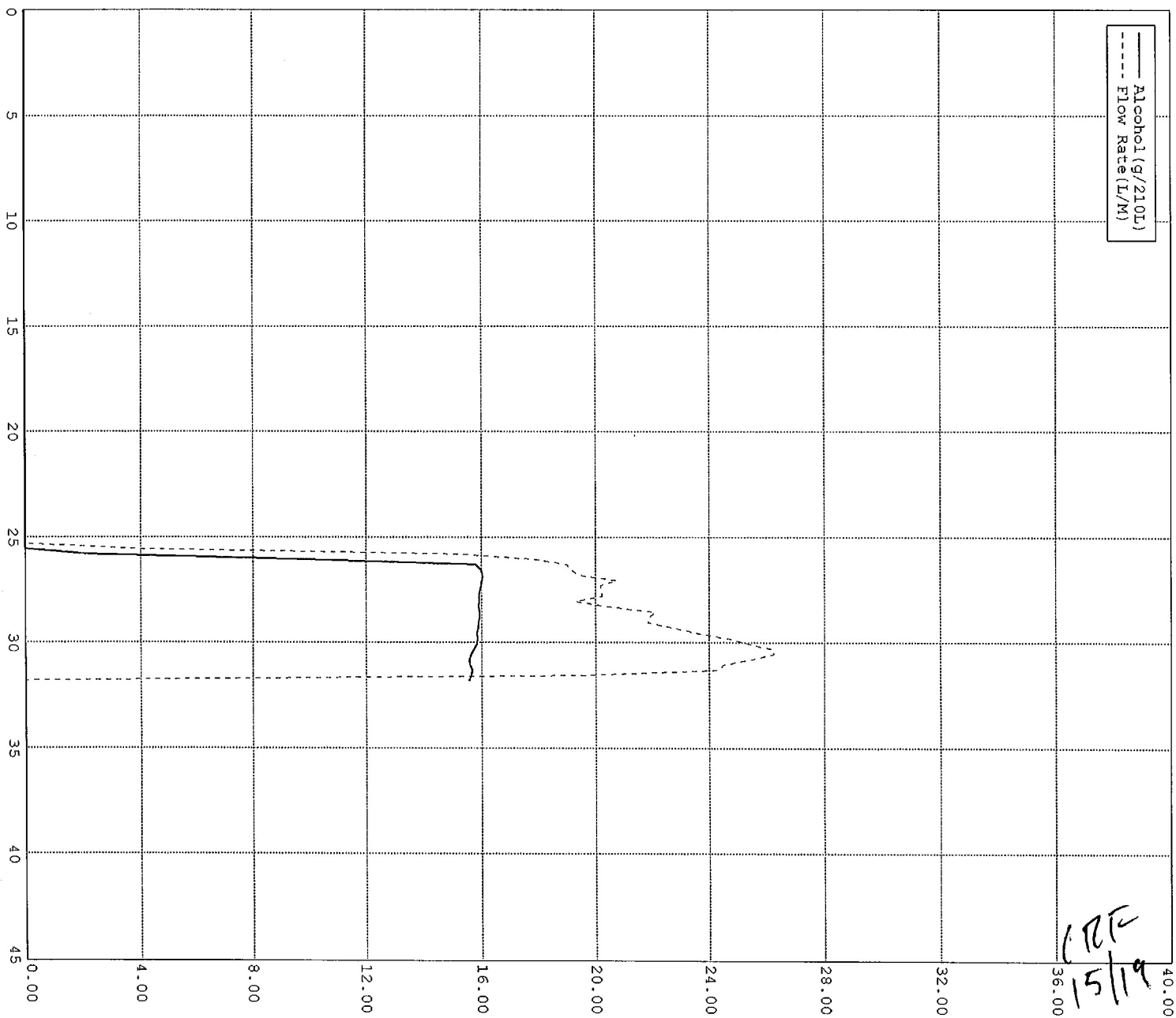
SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
INTERFERENCE ETOH AND ACETONE
OPERATOR'S #: XXXX

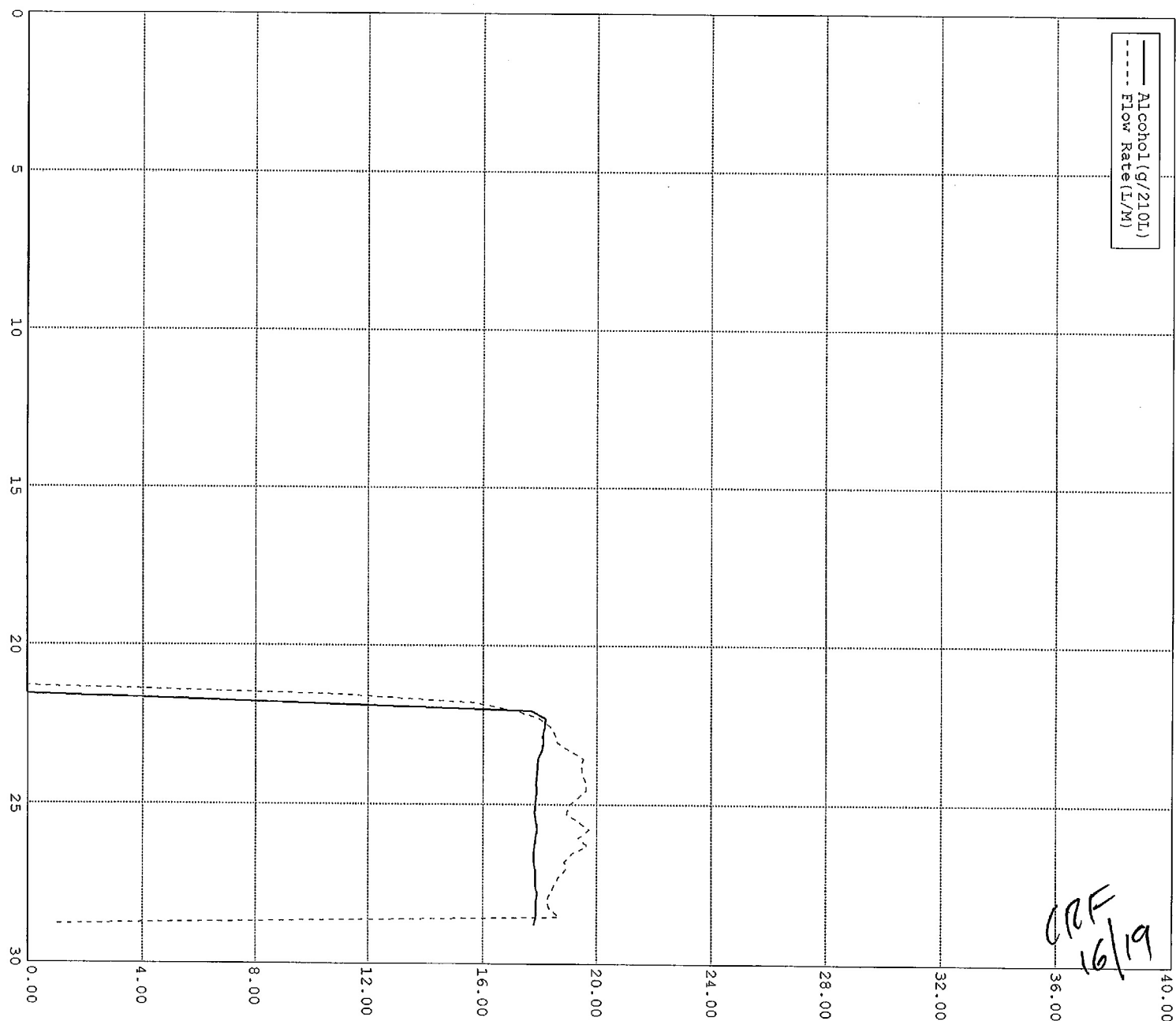
DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK		PASSED
BLANK TEST	0.000	10:56
INTERNAL STANDARD	VERIFIED	10:56
Xq = 0.100 (0.26%)	0.078	10:57
EXTERNAL STANDARD	X[1] = 0.0786 (0.0005)	(0.0024)
BLANK TEST	0.000	10:57
SUBJECT SAMPLE	INTERFERENCE	10:58
X[1] = 0.0783 (-0.0093)	(0.0015)	



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100679Date: 05/04/2012
Time: 11:04:23SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
INTERFERENCE ETOH AND IPA
OPERATOR'S #: XXXXDEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.70: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013DIAGNOSTIC CHECK
BLANK TEST PASSED 11:06
INTERNAL STANDARD VERIFIED 11:07
Xq = 0.100 (0.09%)
EXTERNAL STANDARD 0.078 11:07
X[1] = 0.0785 (-0.0004) (0.0020)
BLANK TEST 0.000 11:08
SUBJECT SAMPLE INTERFERENCE 11:08
X[1] = 0.0895 (-0.0201) (-0.0004)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100679

Date: 05/04/2012
Time: 11:17:44

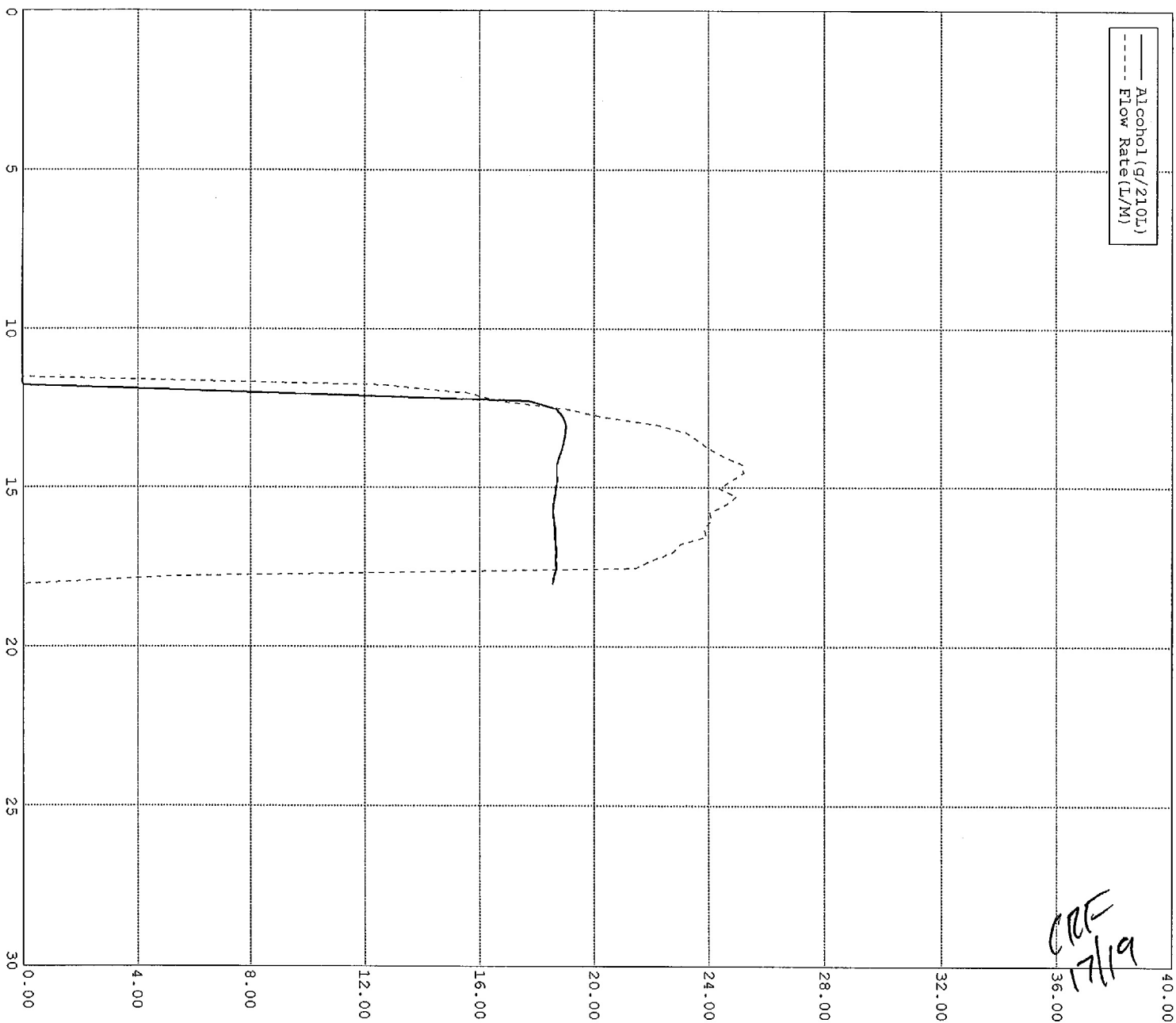
SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
INTERFERENCE ETOH ONLY
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.70: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	11:23
BLANK TEST	0.000	11:23
INTERNAL STANDARD	VERIFIED	11:23
Xq = 0.100 (0.18%)		
EXTERNAL STANDARD	0.078	11:23
X[1] = 0.0783 (0.0001)	(0.0020)	
BLANK TEST	0.000	11:24
SUBJECT SAMPLE (Vol=2.26L)	0.093	11:25
X[1] = 0.0931 (-0.0007)	(0.0005)	
BLANK TEST	0.000	11:26
EXTERNAL STANDARD	0.078	11:26
X[1] = 0.0782 (0.0002)	(0.0022)	
BLANK TEST	0.000	11:27



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100679

Date: 05/04/2012
 Time: 11:33:23

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

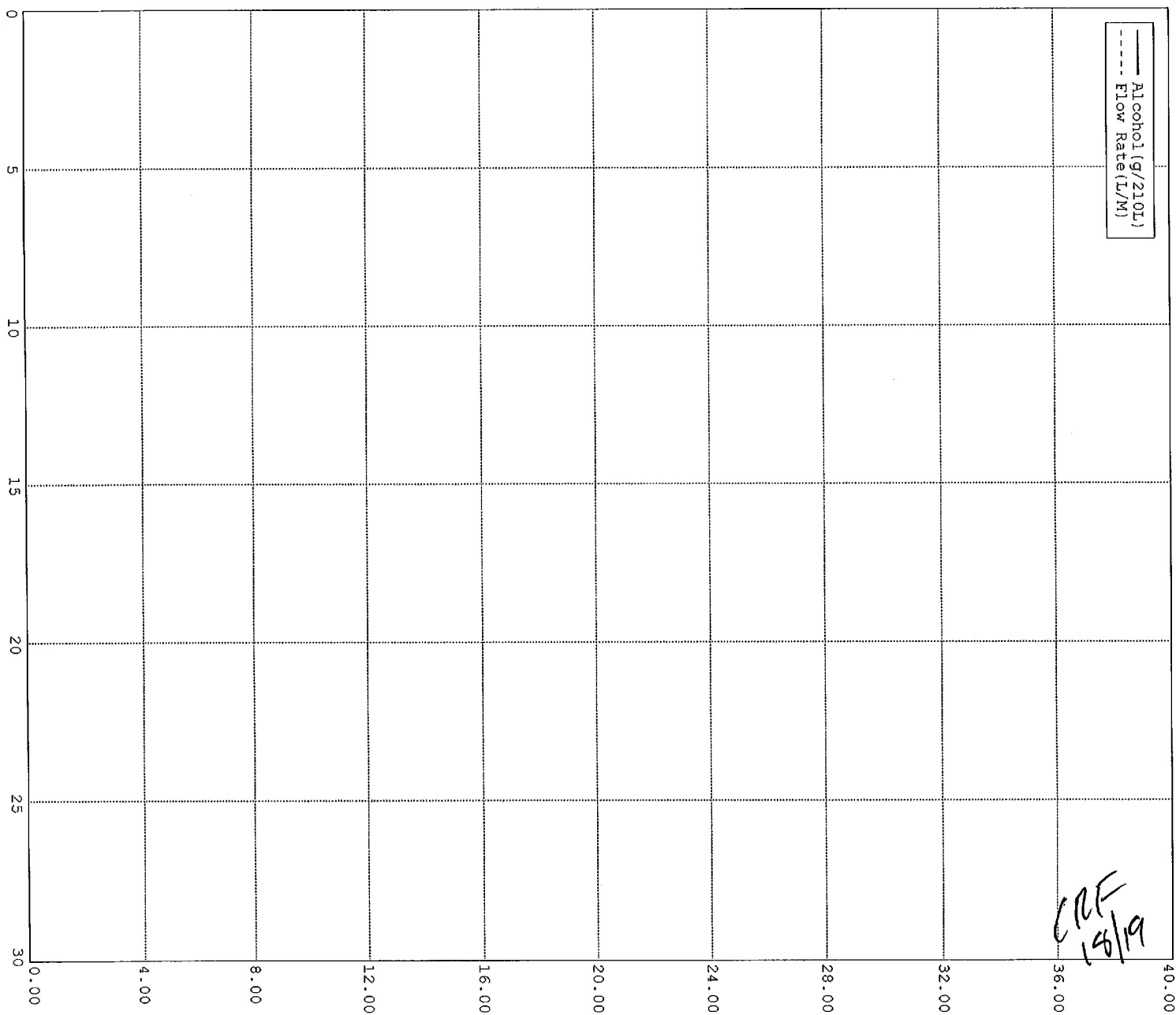
OPERATOR NAME:
 RFI XXXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.70: 0.079
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK
 BLANK TEST PASSED 11:35
 INTERNAL STANDARD VERIFIED 11:35
 EXTERNAL STANDARD 0.078 11:35
 BLANK TEST 0.000 11:36

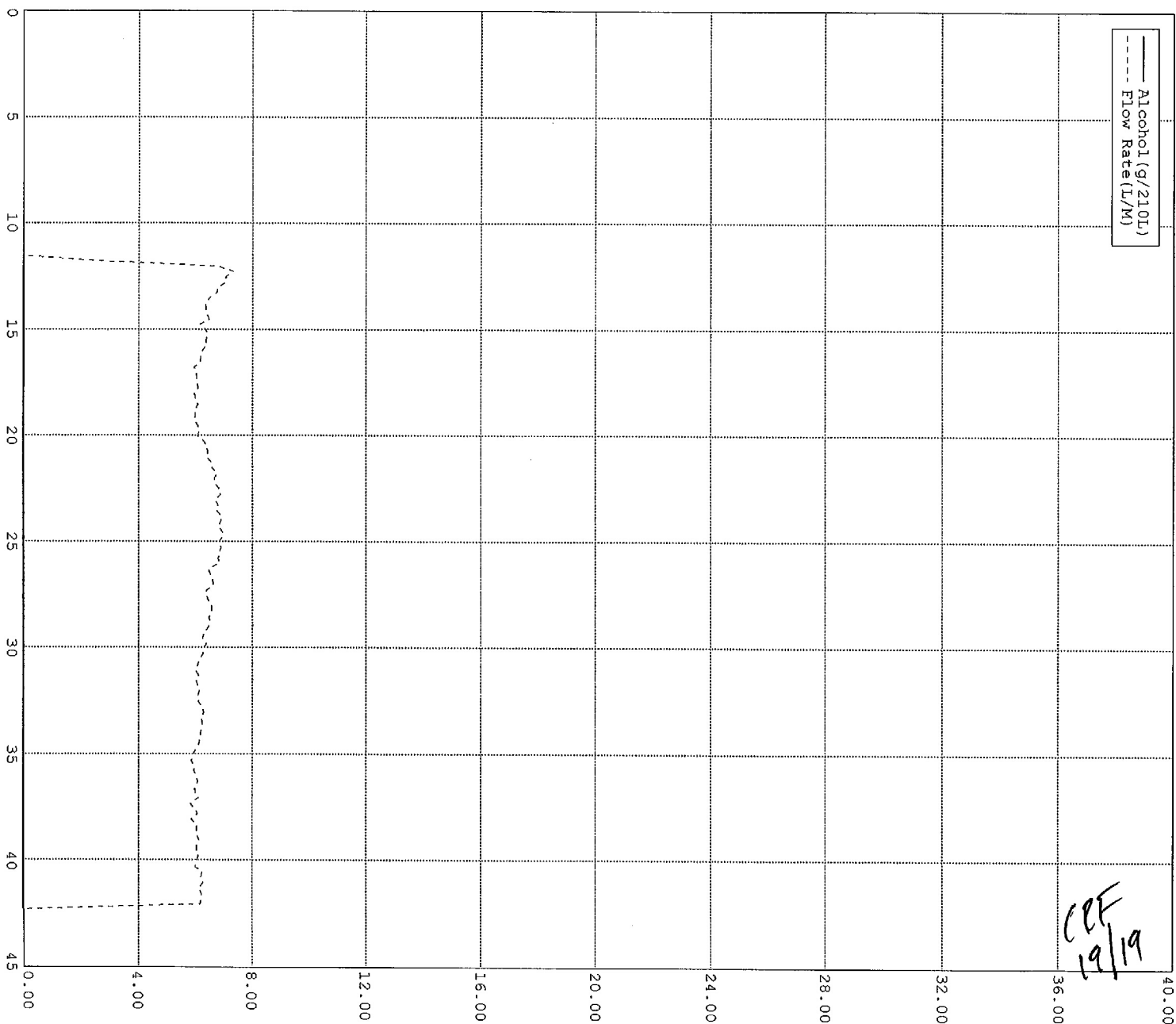
RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100679Date: 05/04/2012
Time: 14:08:03SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.70: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	14:10
BLANK TEST	0.000	14:10
INTERNAL STANDARD	VERIFIED	14:10
EXTERNAL STANDARD	0.078	14:10
BLANK TEST	0.000	14:11
SUBJECT SAMPLE	0.000	14:12
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.079	14:13
BLANK TEST	0.000	14:14



Final page for report

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11/19/2013