

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Issued: 01/27/2012
Effective: 01/27/2012Version: DMCEF2012 R0
Status: ActiveInstrument S/N 100669Analyst CRFStart Date 2/28/12

Ran USB Fixer, updated software to 2.00

Diagnostic 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 1500 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 07511080A1 Exp 3/1/13iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 3/1/13v. 0.200g/210L Mnf Guth Lot 1120 Exp 7/19/131. Simulator S/N SD1176 Date Calibrated 8/17/11vi. 0.300g/210L Mnf Guth Lot 1110 Exp 7/13/131. Simulator S/N SD1202 Date Calibrated 8/17/11

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 1/10/12d. 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 ☒ AEnd Date 3/1/12

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100669

Date: 02/28/2012
Time: 13:06:36

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 46.4°C	PASSED

PUMP INFO

Flow Rate = 5.297 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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CAF

Technician Screen

DATAMASTER dmt: 100669

Date: 02/28/2012

Time: 1:33 PM

Temperatures (°C)

Sample Cell: 49.1°C

Breath Tube: 46.3°C

Current Barometer 29.5 in

Volume (Ltr) 1.56

Settings

Lamp: 1.63 V

Bias: 79 V

Cooler: 1.61 V

Chopper: 526 Hz

Voltages (V)

Flow: 1.06 V

Detector: 0.015 V

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CRF

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100669

Date: 09/21/2011
Time: 14:08:59

Ca = 0.1500
CAL = 0.993059 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0013 0.0010 <= b2 < 0.0100
b3 = 0.0001 0.0000 <= b3 < 0.0040
Xq = 0.0858 0.0500 <= Xq < 0.2000
a21 = 1.151866 1.050 <= a21 < 1.300
a31 = 0.509629 0.300 <= a31 < 0.800

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CRF

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100669

Date: 02/28/2012
 Time: 14:50:38

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

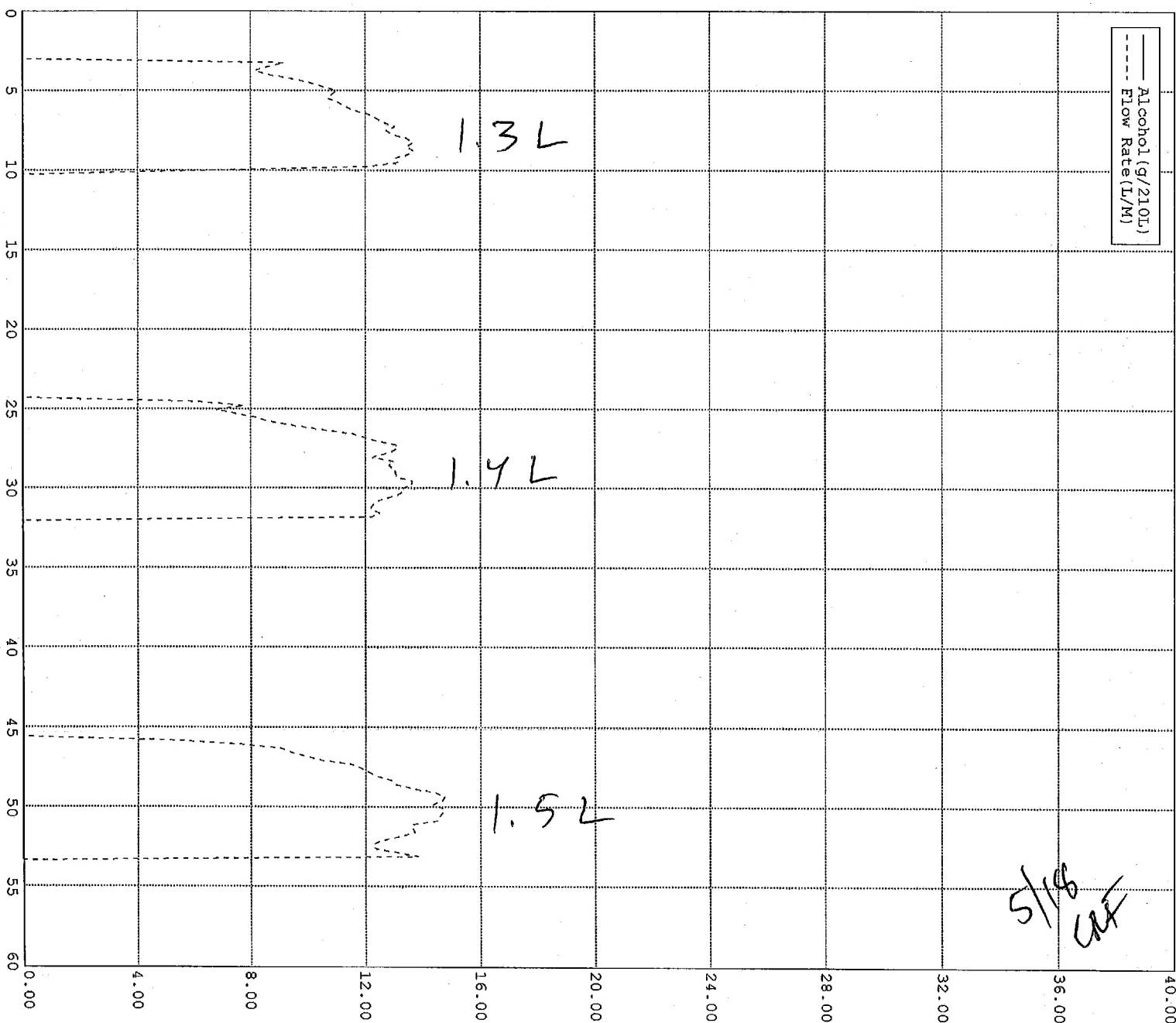
OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.46: 0.078
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	14:51
BLANK TEST	0.000	14:52
INTERNAL STANDARD	0.075	14:52
EXTERNAL STANDARD	0.000	14:53
BLANK TEST	0.000	14:54
SUBJECT SAMPLE	0.000	14:55
BLANK TEST	0.077	14:55
EXTERNAL STANDARD	0.000	14:56
BLANK TEST	0.000	14:56

CRF



LINEARITY CHECK

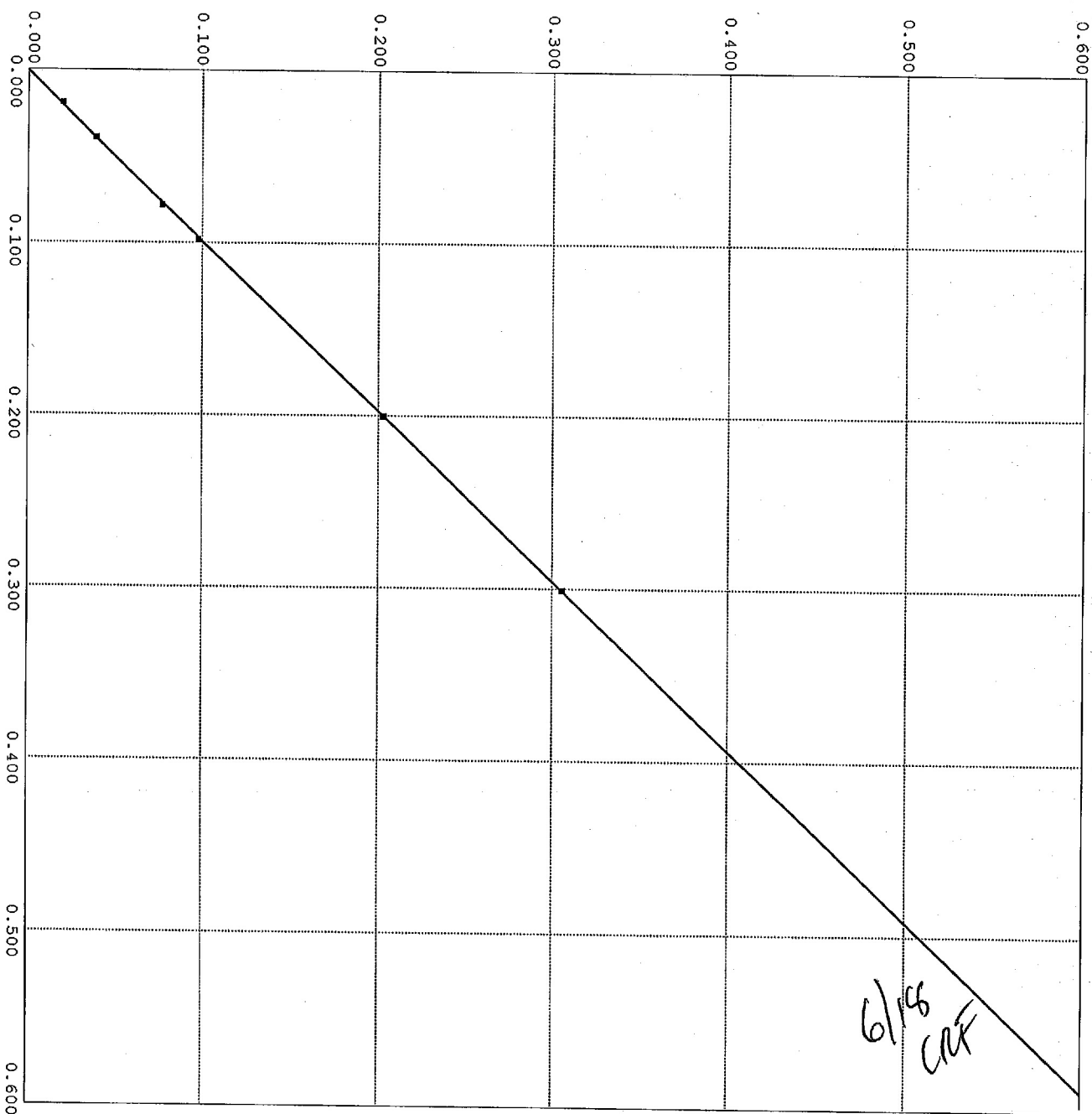
Alaska Department of Public Safety
DATAMASTER dmt: 100669

Date: 02/28/2012
Time: 15:04:16

SUPERVISOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0206	0.0001
0.039	0.0402	0.0001
0.078	0.0777	0.0002
0.098	0.0985	0.0001
0.200	0.2037	0.0001
0.300	0.3065	0.0004

STOPE
R² = 1.020462
= 0.999881



CRF

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100669

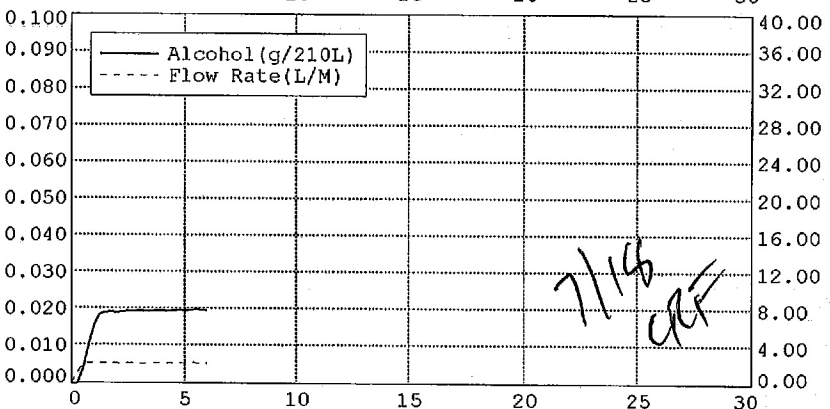
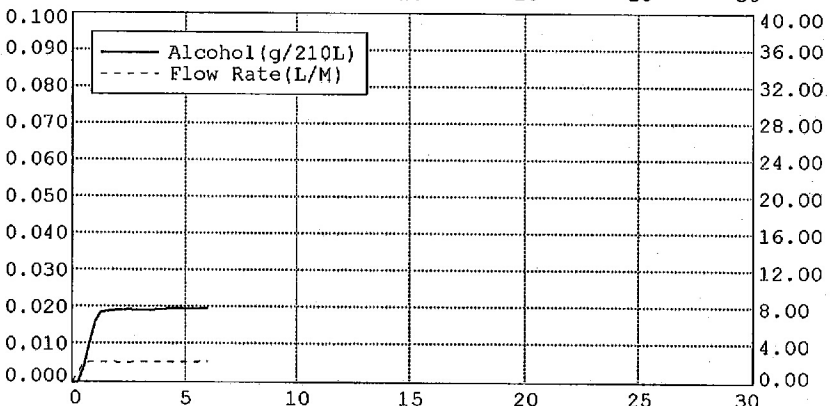
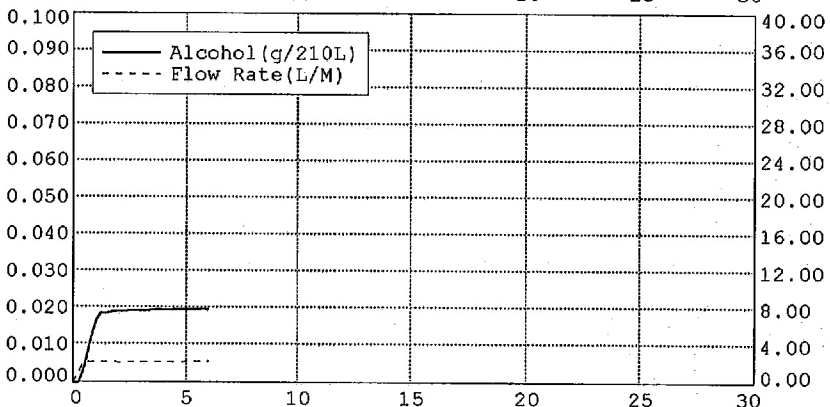
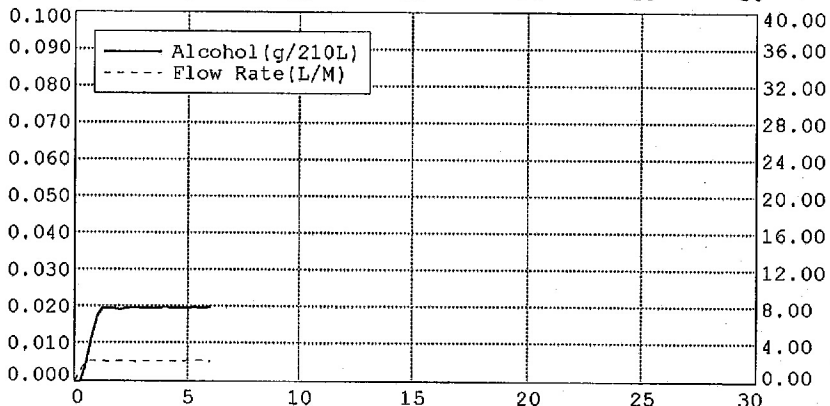
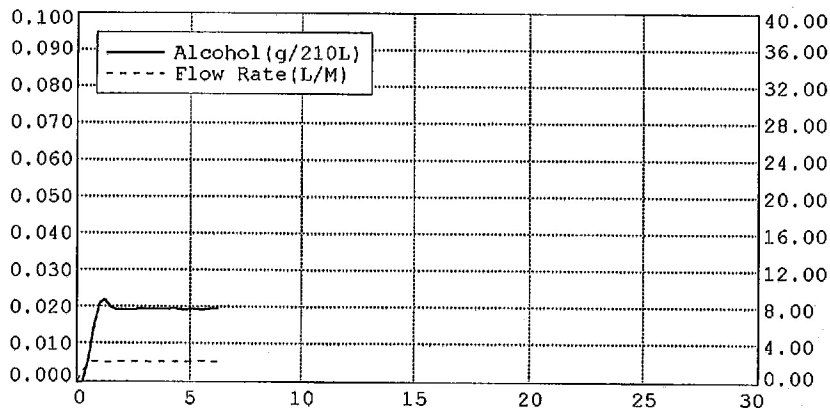
Date: 02/28/2012
Time: 15:04:17

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.46: 0.019
LOT #: 07611020A5
EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:05
INTERNAL STANDARD	VERIFIED	15:05
EXTERNAL STANDARD	0.020	15:05
BLANK TEST	0.000	15:06
EXTERNAL STANDARD	0.020	15:07
BLANK TEST	0.000	15:07
EXTERNAL STANDARD	0.020	15:08
BLANK TEST	0.000	15:09
EXTERNAL STANDARD	0.020	15:09
BLANK TEST	0.000	15:10
EXTERNAL STANDARD	0.020	15:10
BLANK TEST	0.000	15:11

Average = 0.0206
Std Dev = 0.0001



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100669

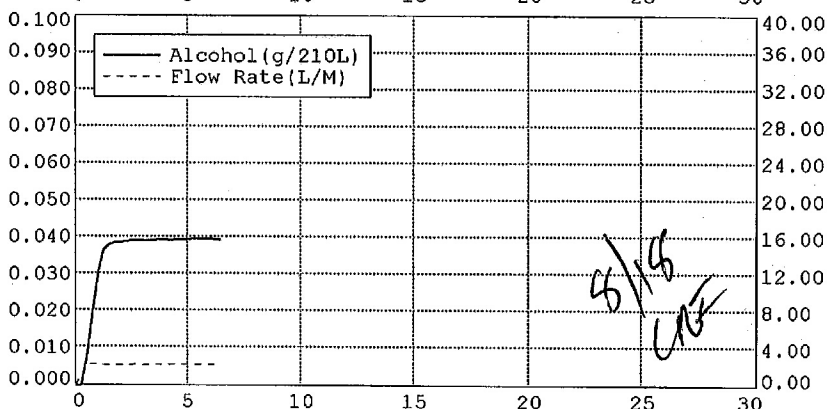
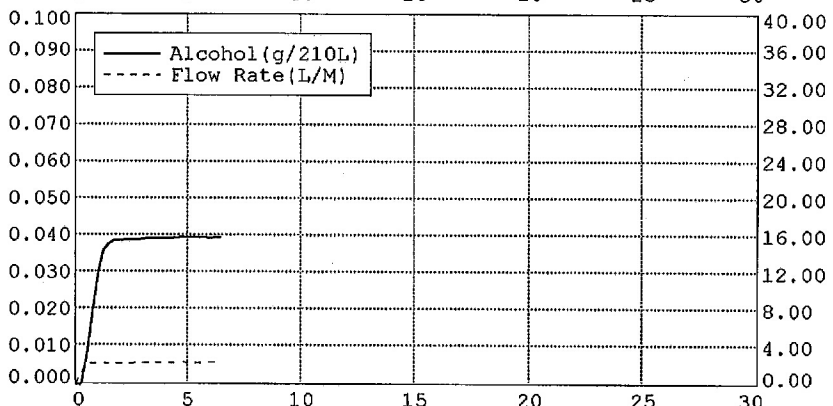
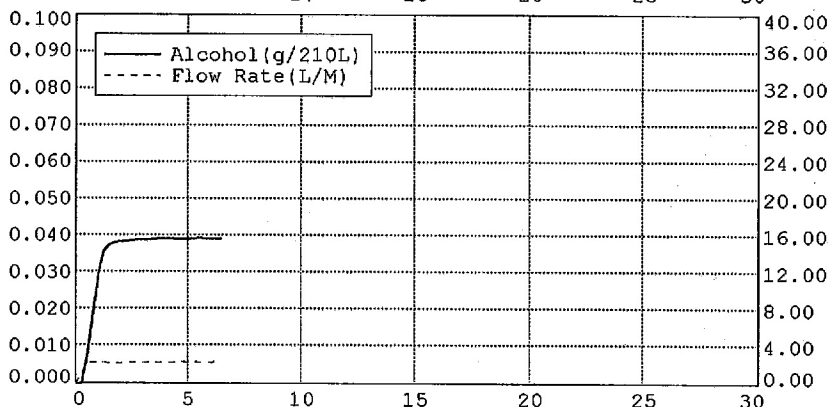
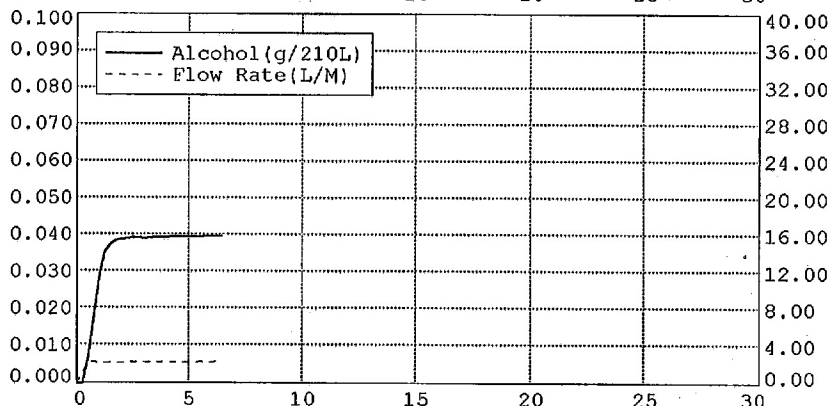
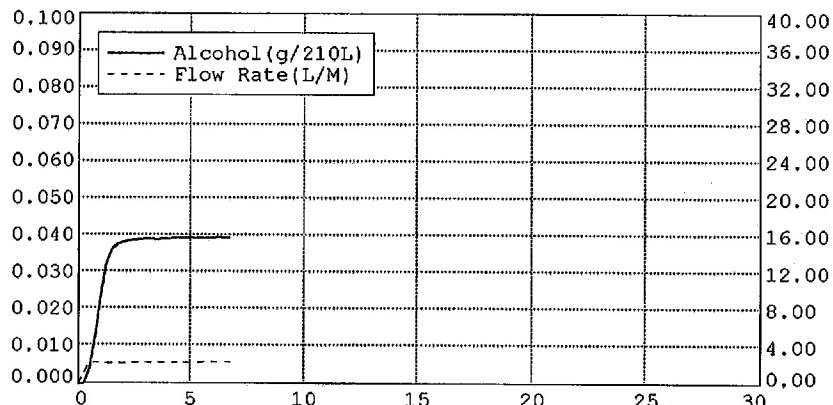
Date: 02/28/2012
Time: 15:12:58

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.46: 0.039
LOT #: 07611040A4
EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:14
INTERNAL STANDARD	VERIFIED	15:14
EXTERNAL STANDARD	0.040	15:14
BLANK TEST	0.000	15:15
EXTERNAL STANDARD	0.040	15:15
BLANK TEST	0.000	15:16
EXTERNAL STANDARD	0.040	15:16
BLANK TEST	0.000	15:17
EXTERNAL STANDARD	0.040	15:17
BLANK TEST	0.000	15:18
EXTERNAL STANDARD	0.040	15:18
BLANK TEST	0.000	15:19

Average = 0.0402
Std Dev = 0.0001



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt; 100669

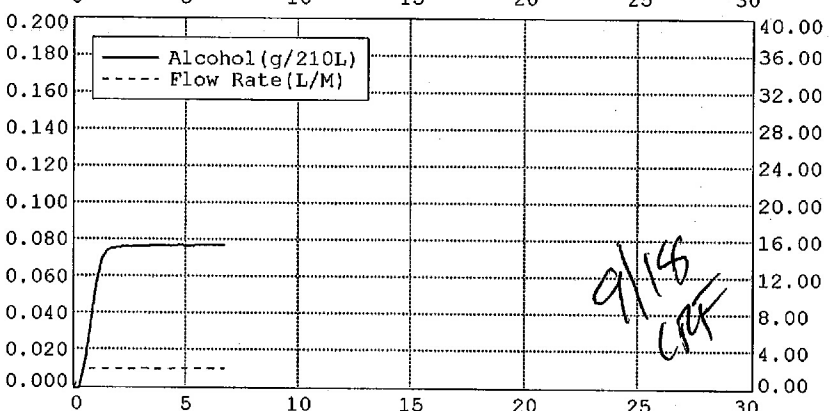
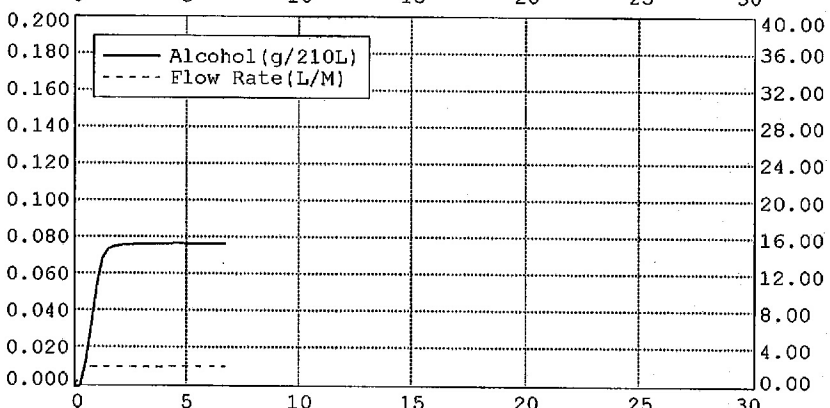
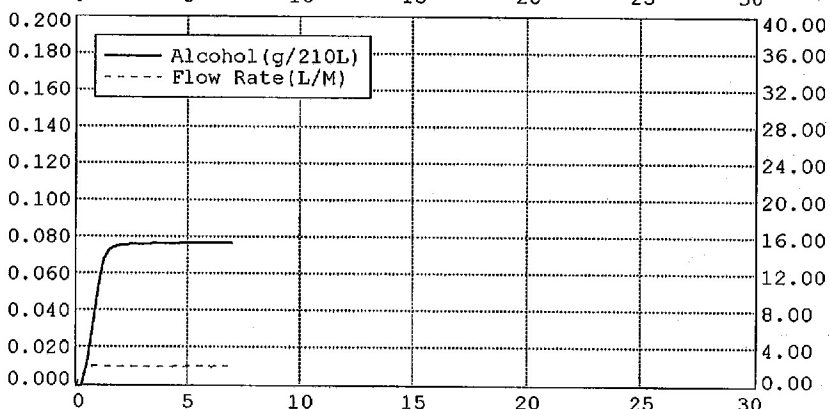
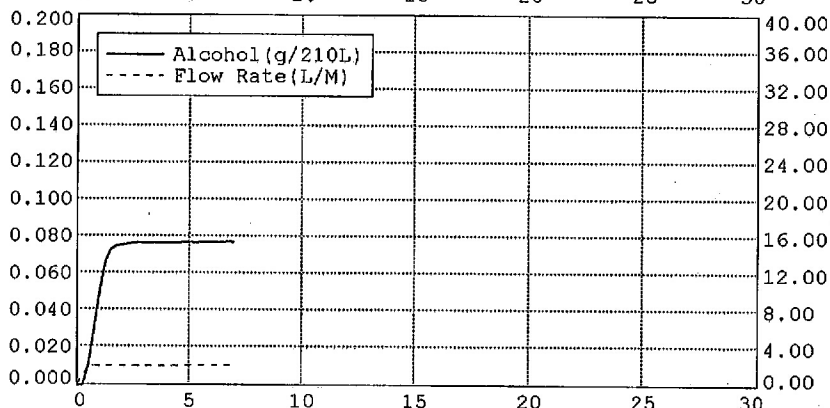
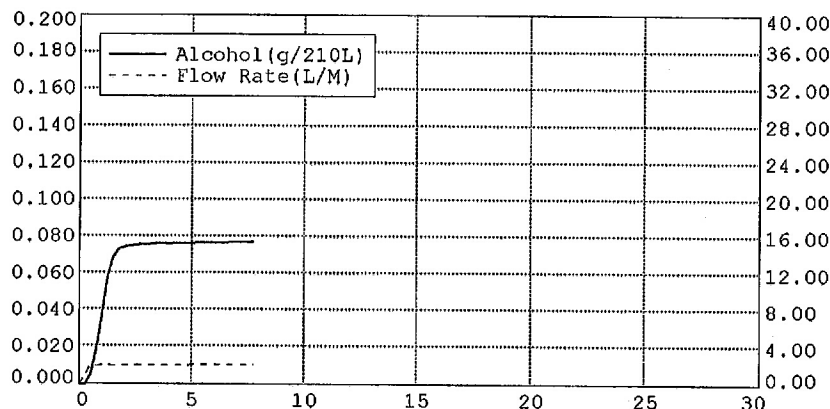
Date: 02/28/2012
Time: 15:21:17

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.46: 0.078
LOT #: 07511080A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:22
INTERNAL STANDARD	VERIFIED	15:22
EXTERNAL STANDARD	0.077	15:22
BLANK TEST	0.000	15:23
EXTERNAL STANDARD	0.077	15:23
BLANK TEST	0.000	15:24
EXTERNAL STANDARD	0.077	15:25
BLANK TEST	0.000	15:25
EXTERNAL STANDARD	0.077	15:26
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.077	15:27
BLANK TEST	0.000	15:28

Average = 0.0777
Std Dev = 0.0002



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER dmt: 100669

Date: 02/28/2012

Time: 15:29:38

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100

TARGET AT 29.46: 0.098

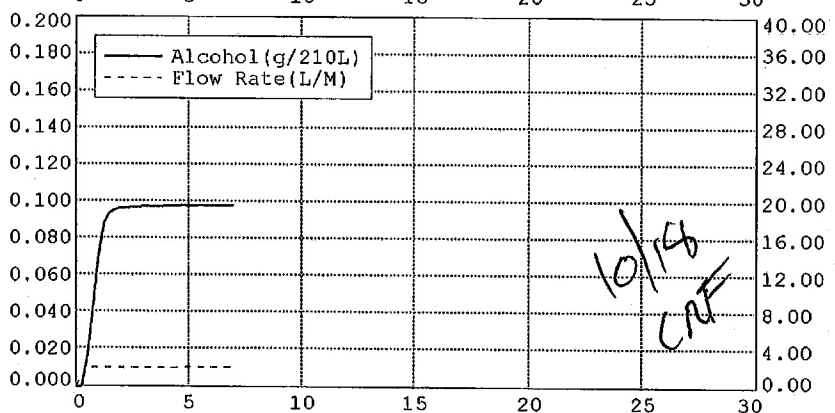
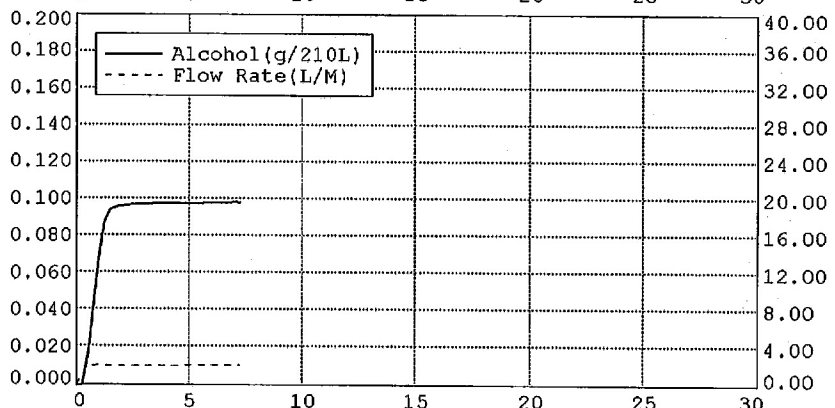
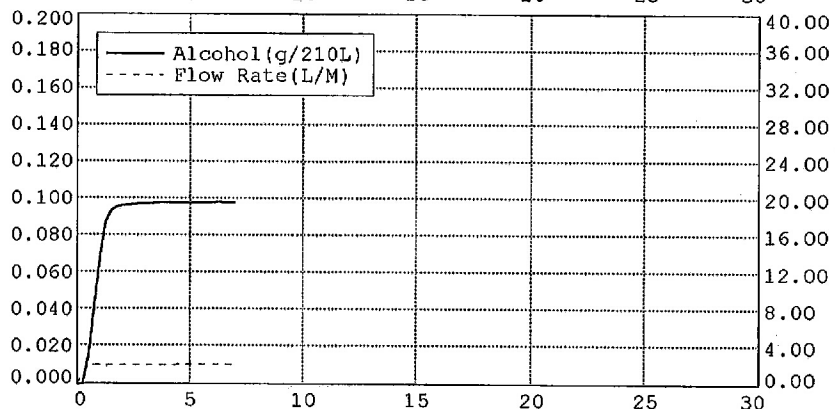
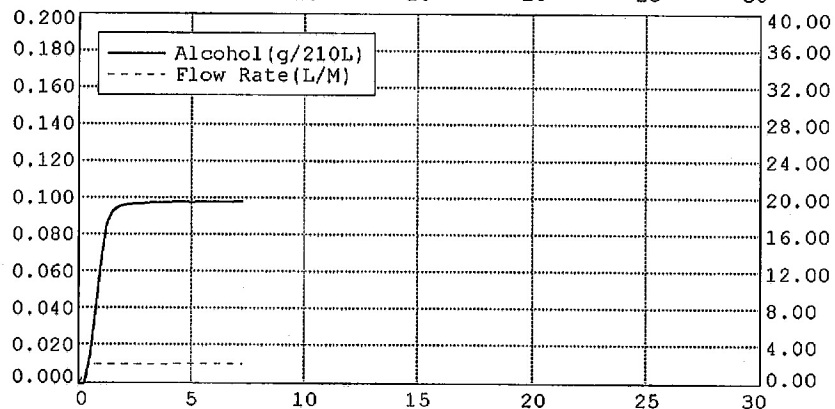
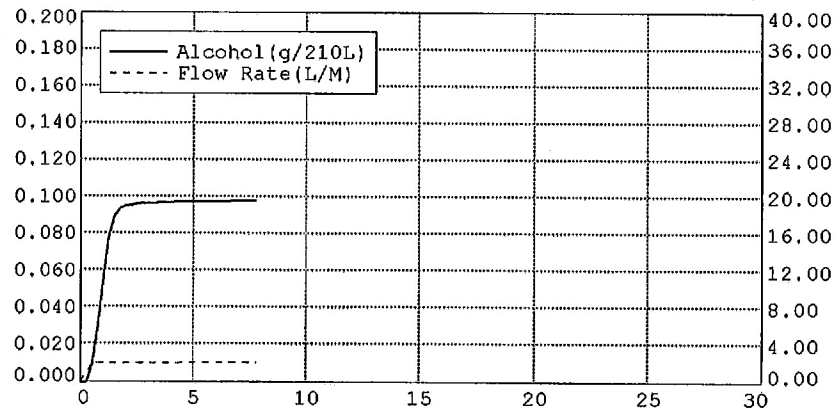
LOT #: 05611100A2

EXPIRATION: 03/01/2013

BLANK TEST	0.000	15:31
INTERNAL STANDARD	VERIFIED	15:31
EXTERNAL STANDARD	0.098	15:31
BLANK TEST	0.000	15:32
EXTERNAL STANDARD	0.098	15:32
BLANK TEST	0.000	15:33
EXTERNAL STANDARD	0.098	15:33
BLANK TEST	0.000	15:34
EXTERNAL STANDARD	0.098	15:34
BLANK TEST	0.000	15:35
EXTERNAL STANDARD	0.098	15:35
BLANK TEST	0.000	15:36

Average = 0.0985

Std Dev = 0.0001



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
DATAMASTER dmt: 100669

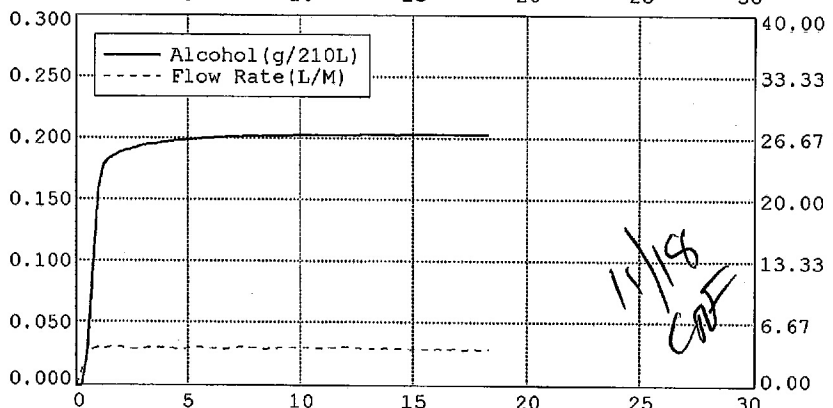
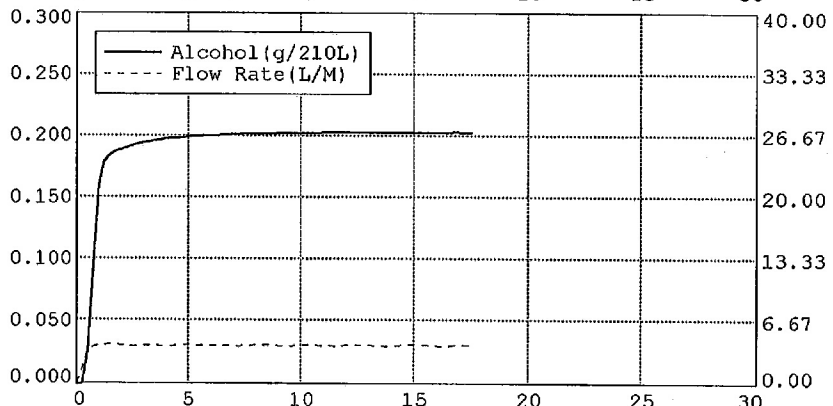
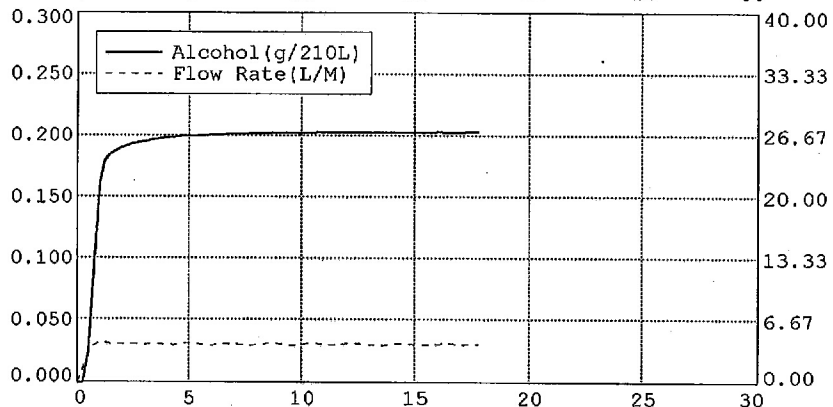
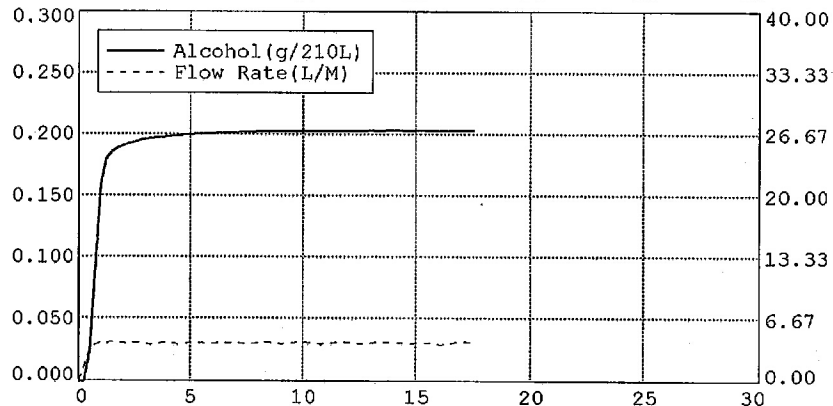
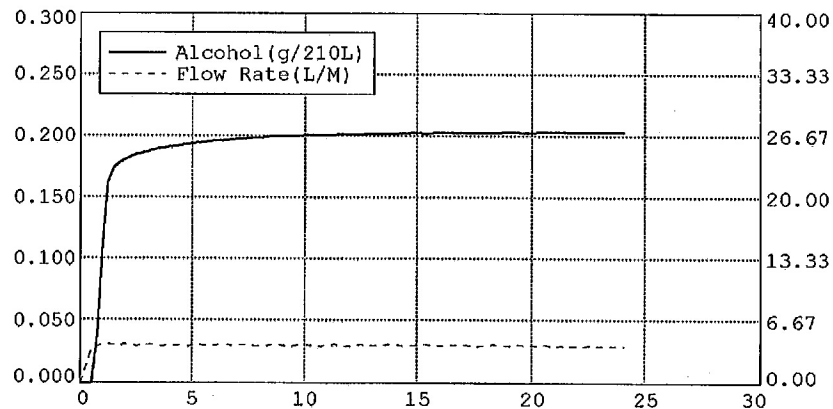
Date: 02/28/2012
Time: 15:56:19

EXTERNAL STANDARD INFORMATION

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

BLANK TEST	0.000	15:57
INTERNAL STANDARD	VERIFIED	15:57
EXTERNAL STANDARD	0.203	15:58
BLANK TEST	0.000	15:59
EXTERNAL STANDARD	0.203	15:59
BLANK TEST	0.000	16:00
EXTERNAL STANDARD	0.203	16:00
BLANK TEST	0.000	16:01
EXTERNAL STANDARD	0.203	16:02
BLANK TEST	0.000	16:02
EXTERNAL STANDARD	0.203	16:03
BLANK TEST	0.000	16:04

Average = 0.2037
Std Dev = 0.0001



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100669

Date: 02/28/2012
Time: 16:15:23

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300

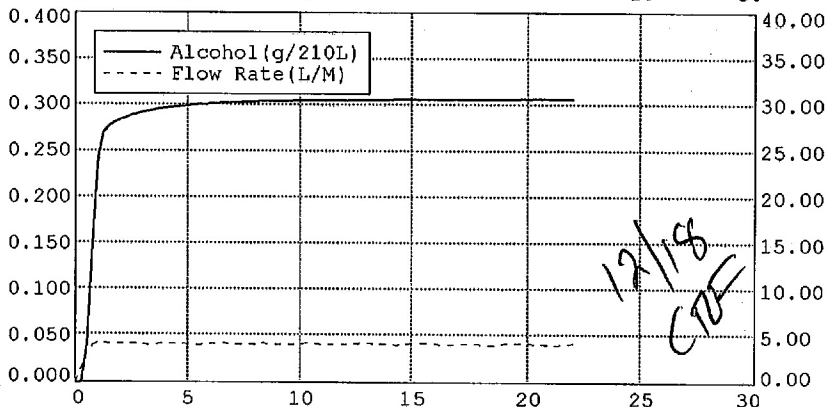
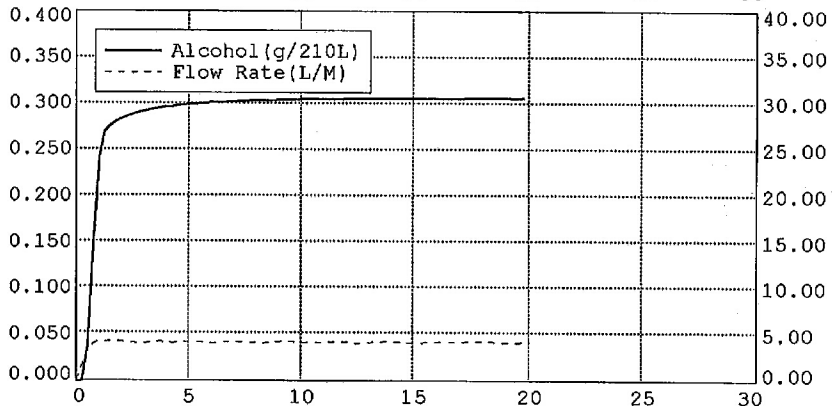
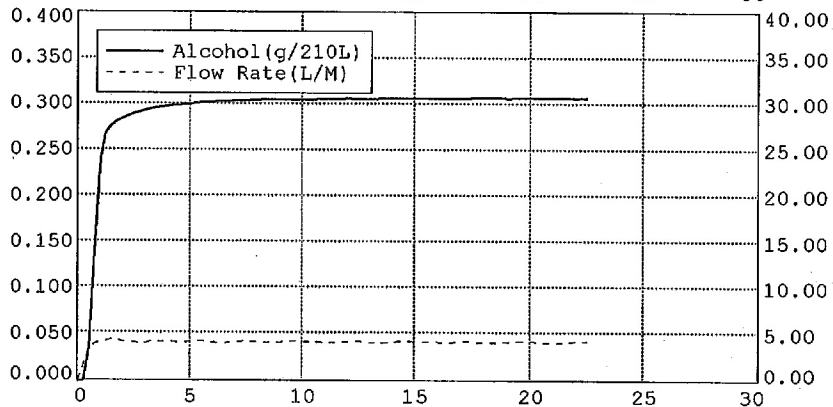
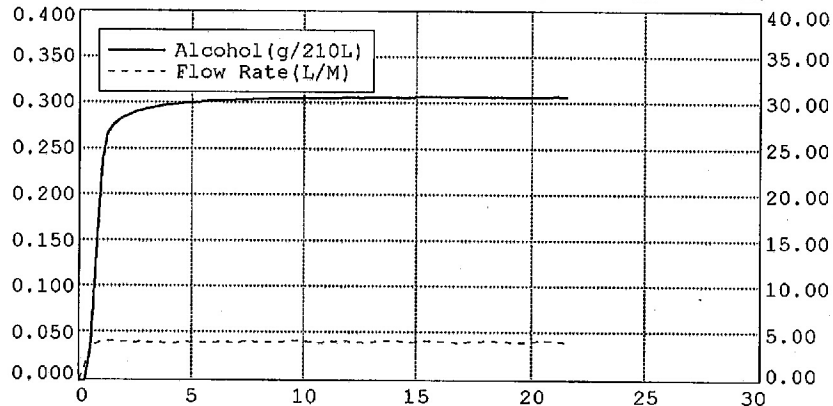
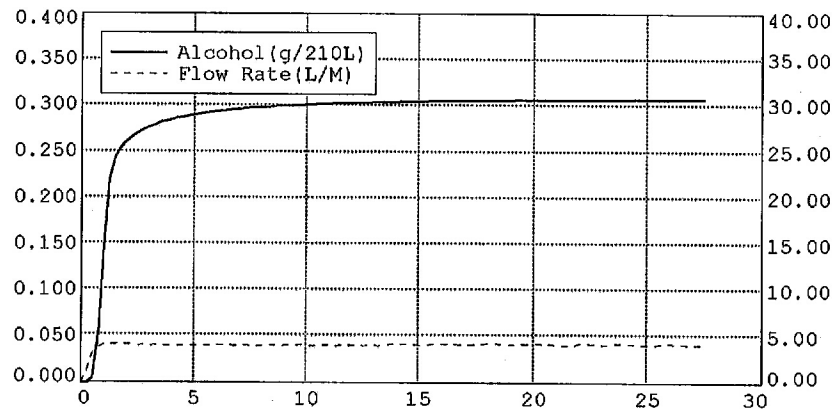
LOT #: 11110

EXPIRATION: 07/13/2013

BLANK TEST	0.000	16:16
INTERNAL STANDARD	VERIFIED	16:16
EXTERNAL STANDARD	0.306	16:17
BLANK TEST	0.000	16:18
EXTERNAL STANDARD	0.306	16:18
BLANK TEST	0.000	16:19
EXTERNAL STANDARD	0.306	16:20
BLANK TEST	0.000	16:21
EXTERNAL STANDARD	0.305	16:21
BLANK TEST	0.000	16:22
EXTERNAL STANDARD	0.306	16:22
BLANK TEST	0.000	16:23

Average = 0.3065

Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dnt: 100669

Date: 02/29/2012
 Time: 13:03:45

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

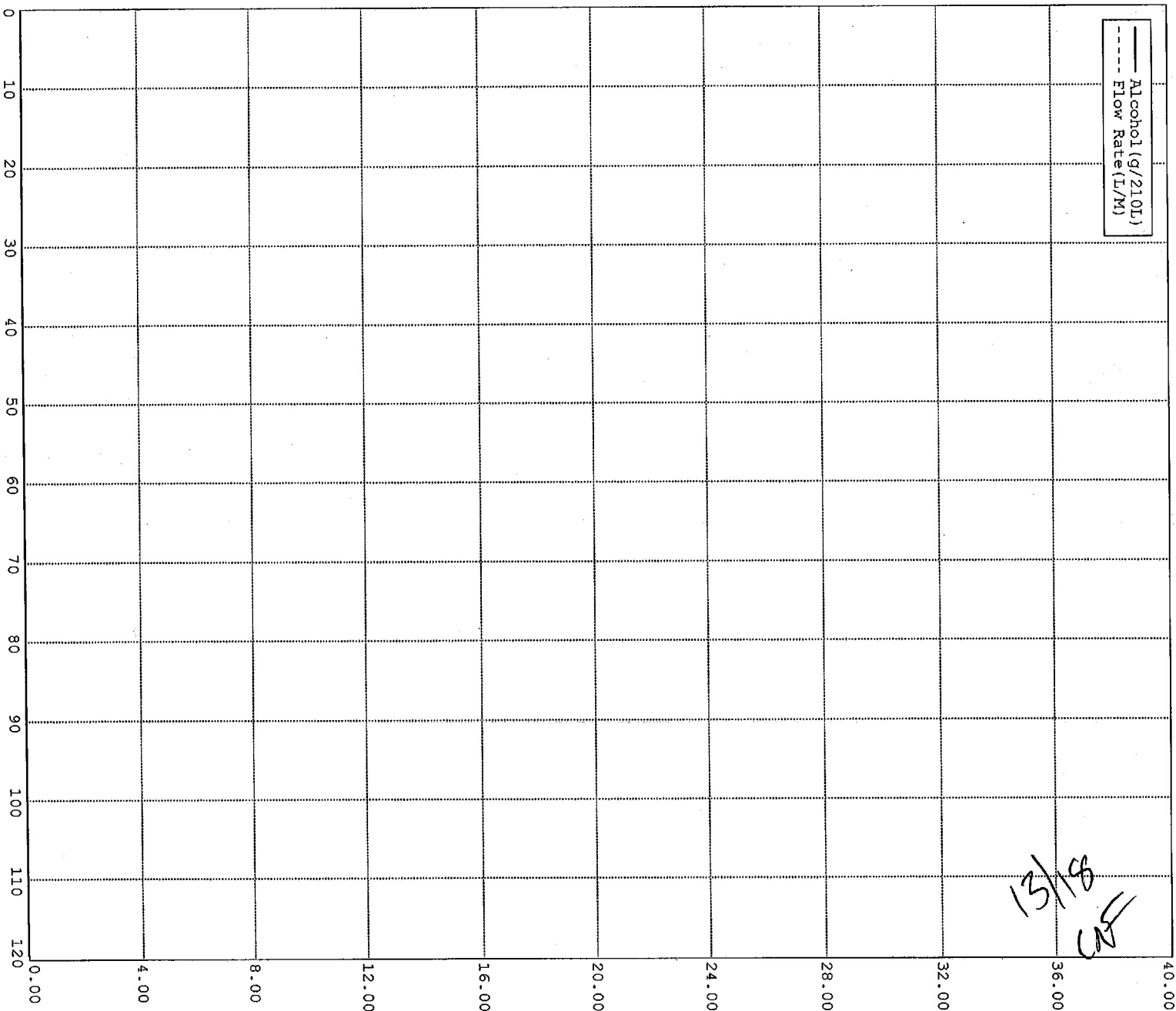
DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.46: 0.078
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	13:04
BLANK TEST	0.000	13:04
INTERNAL STANDARD	VERIFIED	13:04
EXTERNAL STANDARD	0.077	13:05
BLANK TEST	0.000	13:06
SUBJECT SAMPLE	INCOMPLETE	13:08

Alcohol (g/210L)

 Flow Rate(L/M)

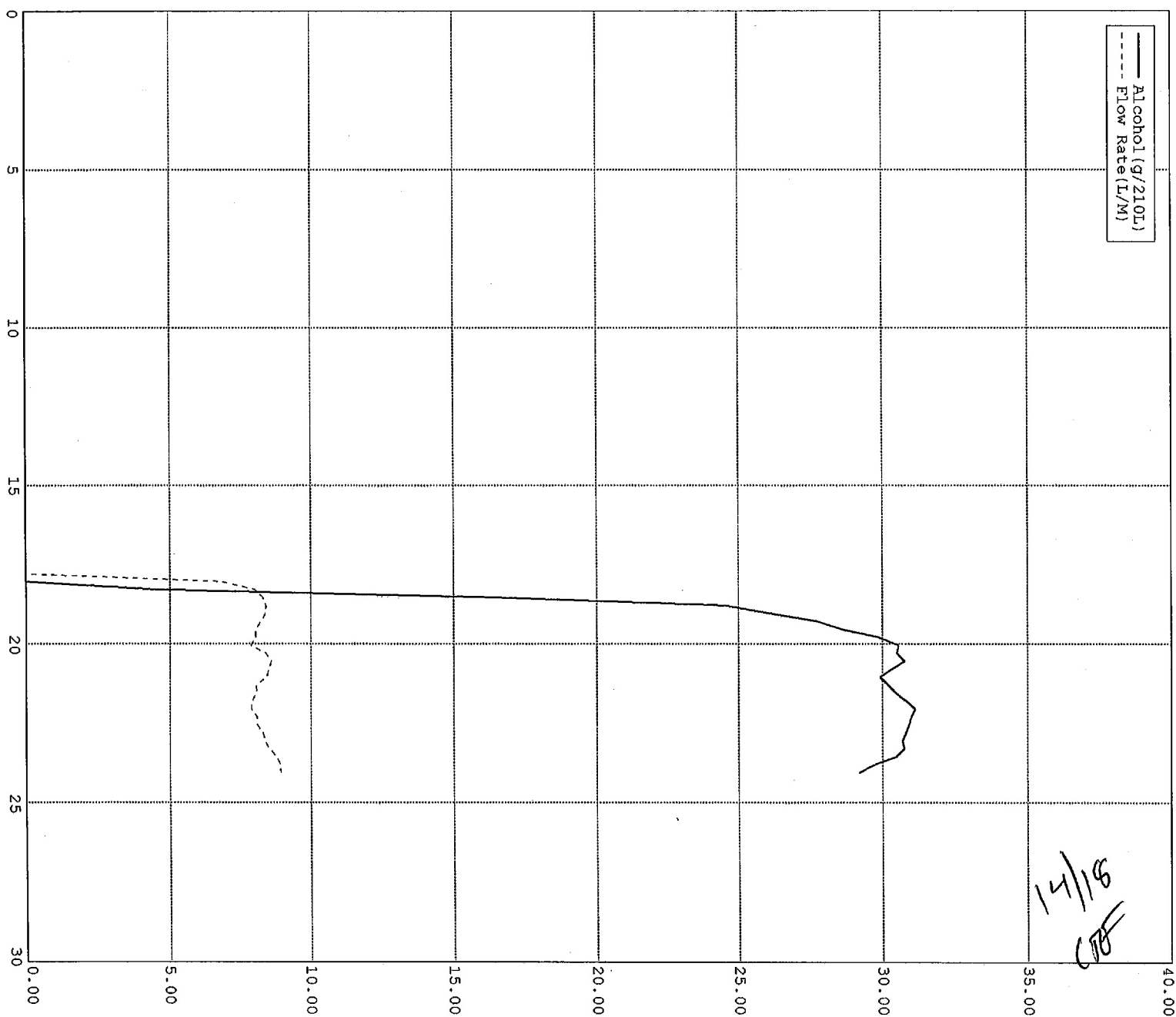


SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100669Date: 02/29/2012
Time: 13:17:59SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
INVALID MOUTH ETOH
OPERATOR'S #: XXXXDEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.46: 0.078
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	13:20
BLANK TEST	0.000	13:20
INTERNAL STANDARD	VERIFIED	13:20
EXTERNAL STANDARD	0.076	13:20
BLANK TEST	0.000	13:21
SUBJECT SAMPLE	INVALID	13:22

C12F



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100669

Date: 02/29/2012
Time: 14:30:20

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

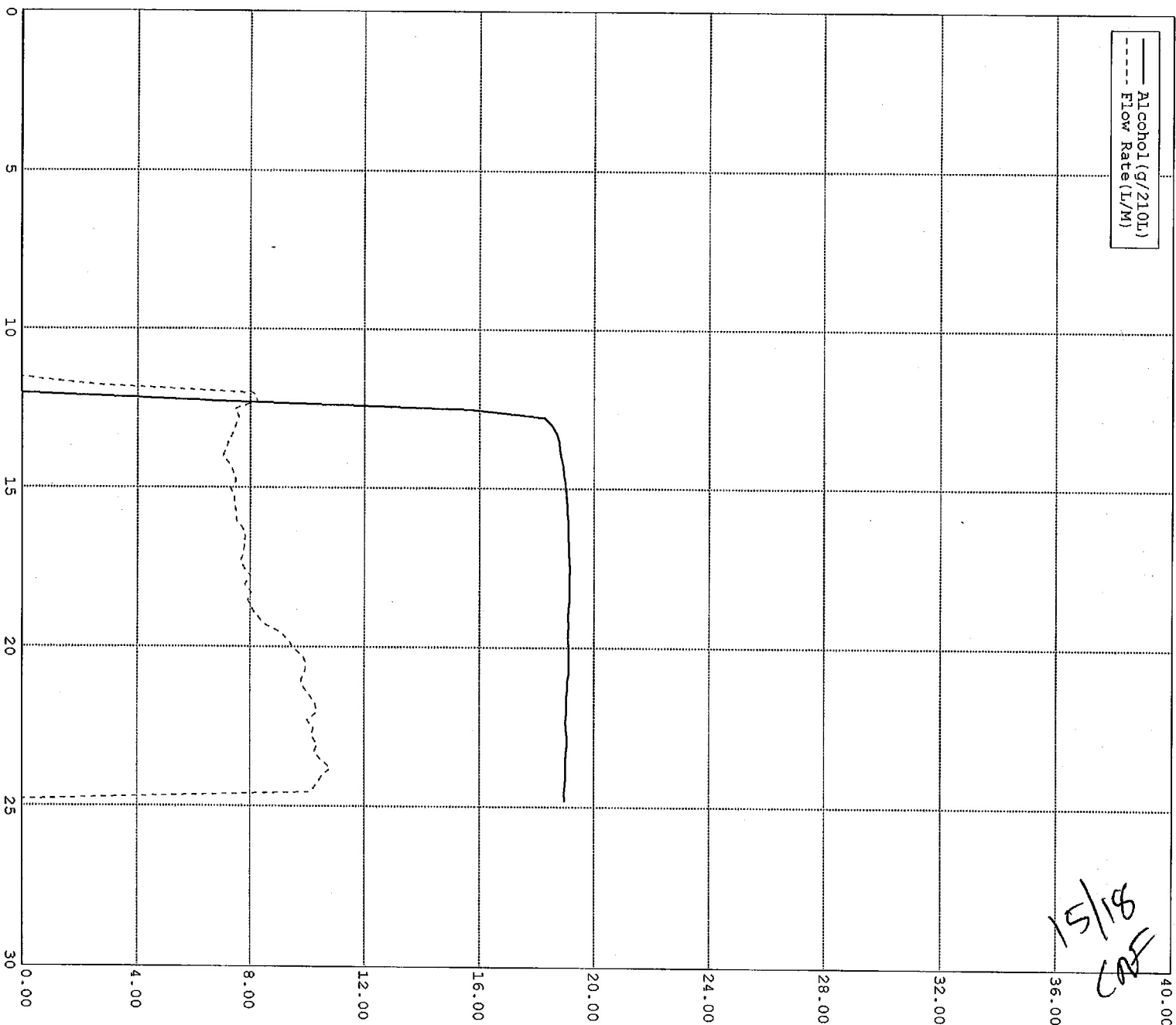
OPERATOR NAME:
INTERFERENCE ETOH AND ACETONE
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.46: 0.078
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	14:33
BLANK TEST	0.000	14:33
INTERNAL STANDARD	VERIFIED	14:33
EXTERNAL STANDARD	0.077	14:33
BLANK TEST	0.000	14:34
SUBJECT SAMPLE	INTERFERENCE	14:35

Alcohol (g/210L)
Flow Rate (L/M)



15/18
CAF

CAF

SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100669

Date: 02/29/2012
 Time: 14:40:22

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

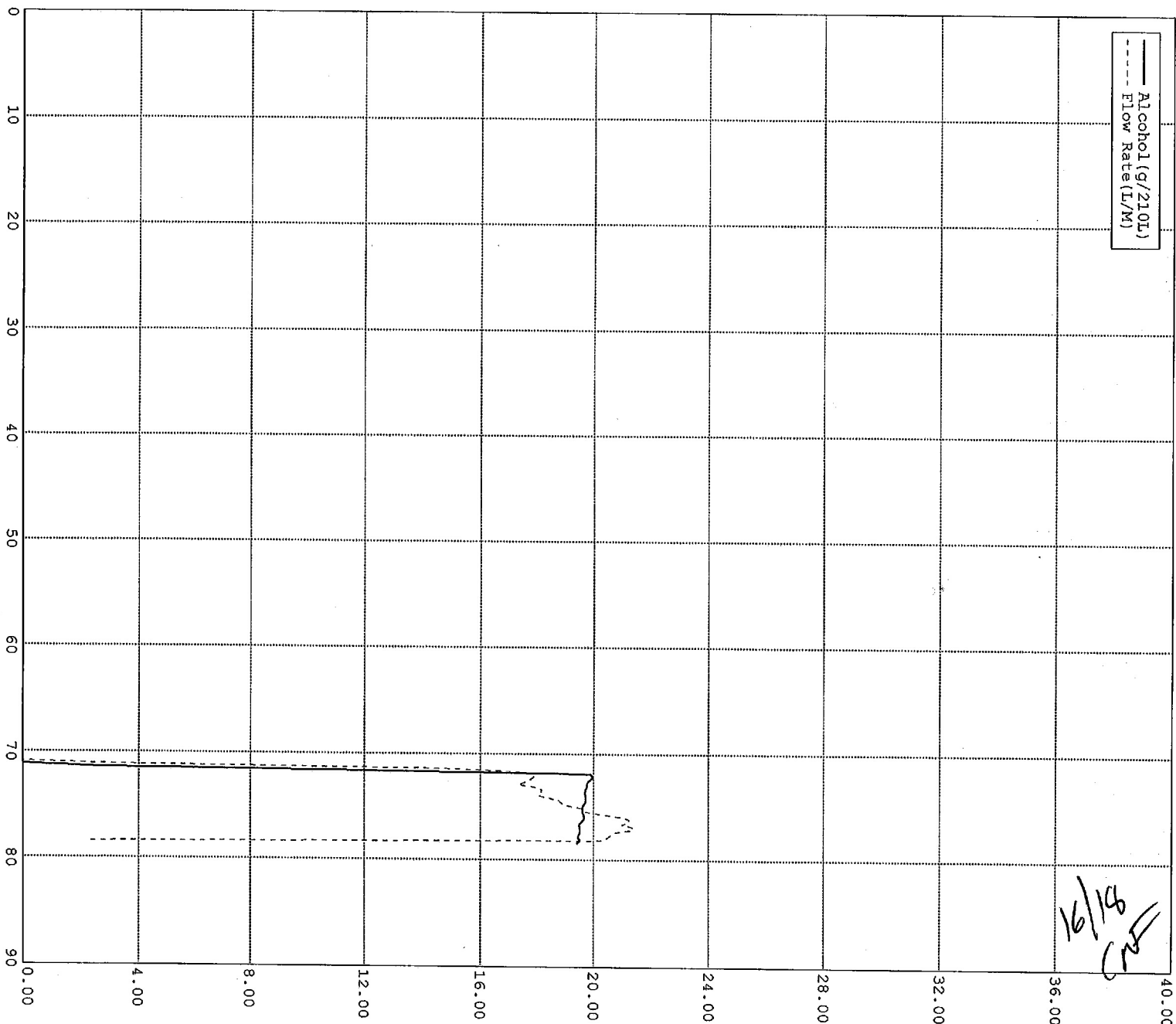
OPERATOR NAME:
 INTERFERENCE ETOH AND IPA
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.46: 0.078
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	14:42
BLANK TEST	0.000	14:42
INTERNAL STANDARD	VERIFIED	14:43
EXTERNAL STANDARD	0.077	14:43
BLANK TEST	0.000	14:44
SUBJECT SAMPLE	INTERFERENCE	14:45

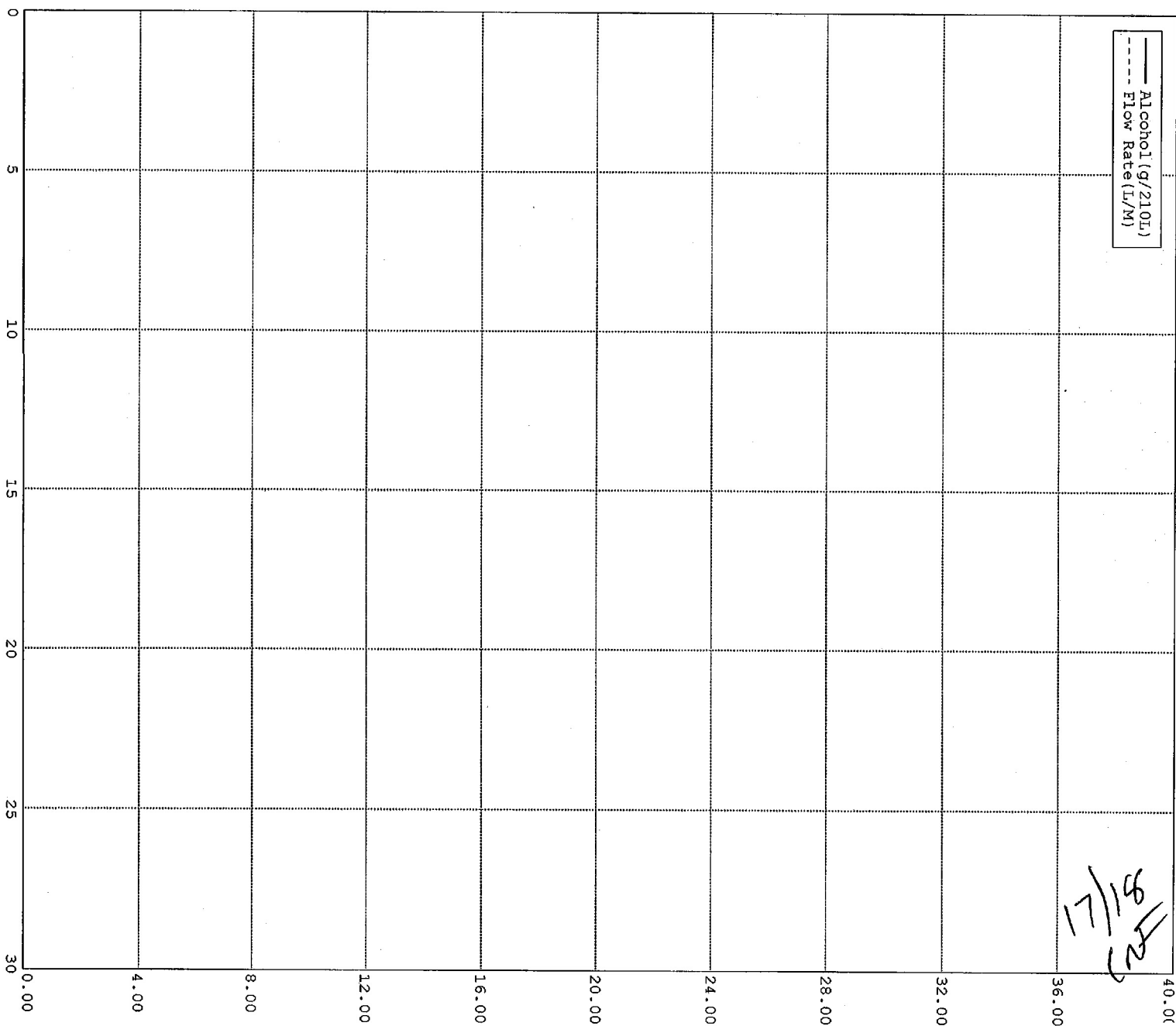
Alcohol(g/210L)
 Flow Rate(L/M)



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100669Date: 02/29/2012
Time: 14:57:49SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
RFT XXXX
OPERATOR'S #: XXXXDEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.46: 0.078
LOT #: 07511080A1
EXPIRATION: 03/01/2013DIAGNOSTIC CHECK
BLANK TEST
INTERNAL STANDARD
EXTERNAL STANDARD
BLANK TEST
PASSED 14:59
0.000 14:59
VERIFIED 14:59
0.077 14:59
0.000 15:00

RFT DETECTED



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100669Date: 02/29/2012
Time: 16:12:32SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734

DEPT/AGENCY:

XXXX

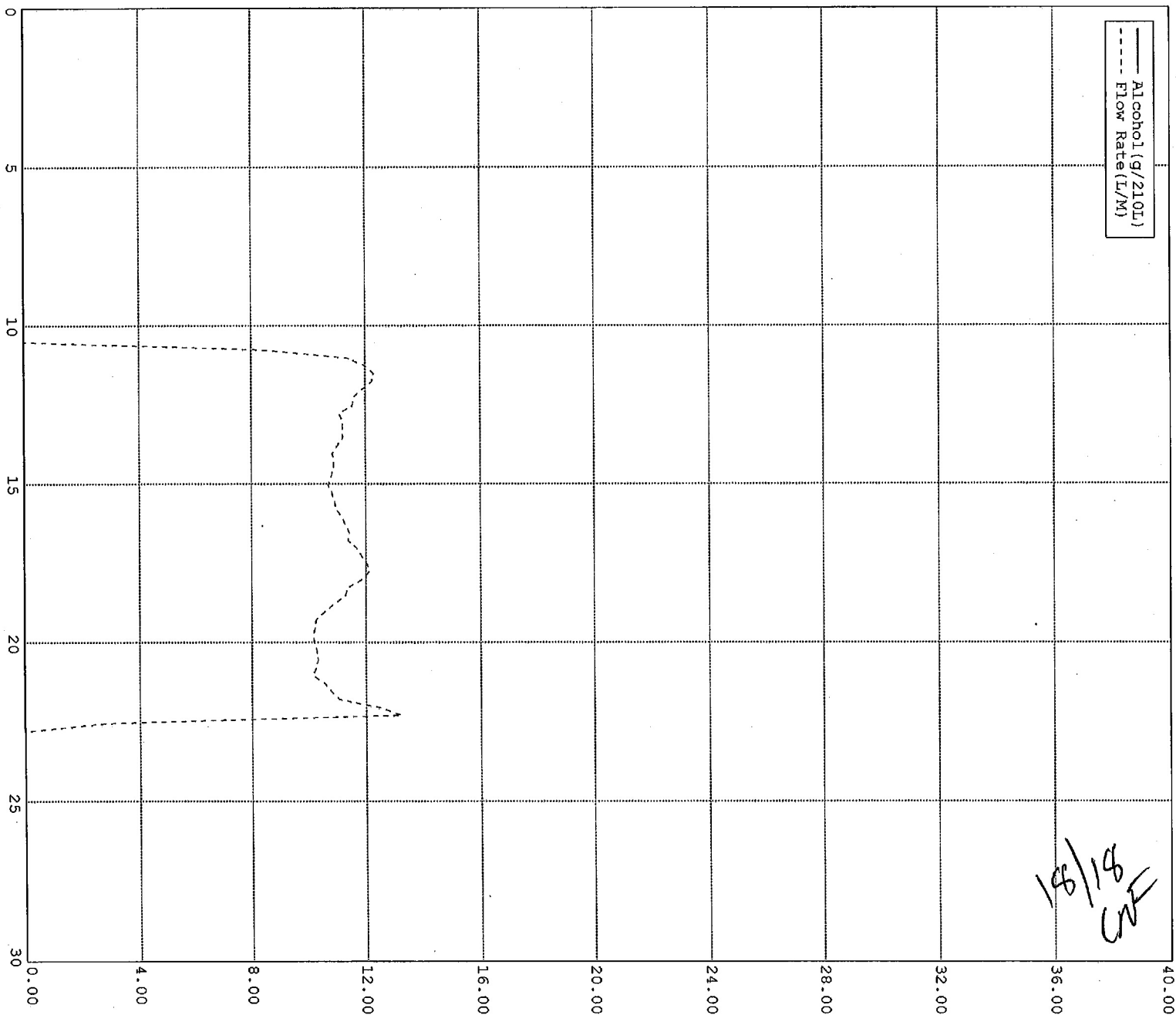
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.46: 0.078
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	
BLANK TEST	0.000	16:14
INTERNAL STANDARD	VERIFIED	16:14
EXTERNAL STANDARD	0.077	16:14
BLANK TEST	0.000	16:15
SUBJECT SAMPLE	0.000	16:16
BLANK TEST	0.000	16:17
EXTERNAL STANDARD	0.077	16:17
BLANK TEST	0.000	16:18

— Alcohol (g/210L)
---- Flow Rate (L/M)



Final page for report

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