

# Alaska Scientific Crime Detection Laboratory

## DataMaster Certification Form

Issued: 7/10/2015  
Effective: 7/10/2015

Version: DMCEF 2015 R1  
Status: Active

Instrument S/N 100689 Analyst Derech Walton Start Date 12/17/19

1. Diagnostic Test (attached)  Internal Standard value  $\leq 3.00\%$  Yes
1. Voltage Checks
- a. Adjust voltages, if needed 
    - i. Lamp (2.6V Maximum)
    - ii. Bias
    - 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 1.4 1.5 L (1.3L to 1.7L)

4. Linearity Test (attached) DN 12/17/19

a. Levels Used

- i. 0.020g/210L Mnf Airgas Lot AG805804 Exp 02/27/20
- ii. 0.040g/210L Mnf Airgas Lot AG915607 Exp 06/05/21
- iii. 0.080g/210L Mnf Airgas Lot AG826101 Exp 09/18/20
- iv. 0.100g/210L Mnf Airgas Lot AG924701 Exp 09/04/21
- v. 0.200g/210L Mnf Autn Lot 19040 Exp 01/29/2021
  - 1. Simulator S/N DR4162 Date Calibrated 10/07/19
- vi. 0.300g/210L Mnf Autn Lot 19010 Exp 01/03/21
  - 1. Simulator S/N DR4178 Date Calibrated 10/04/19

5. Functional Tests (attached)

- a. Incomplete
- b. Invalid
- c. Interference
- d. Exceeded attempts

- i. Acetone - Mnf Autn Lot 18370 Level 0.100 Exp 12/05/20
  - 1. Simulator S/N SD1199 Date Calibrated 03/06/19
- ii. Isopropanol - Mnf Autn Lot 18370 Level 0.100 Exp 12/05/20
  - 1. Simulator S/N DR4161 Date Calibrated 03/07/19
- iii. Negative Control - Mnf Autn Lot 18370 Level 0.100 Exp 12/05/20
  - 1. Simulator S/N SD1202 Date Calibrated 03/05/19

e. RFI

- 6. Verify stylus is calibrated
- 7. Reset Options
- 8. Clear Memory
- 9. Verification of Calibration
- 10. Non-Drinking Subject Test (attached)
- 11. Upload
- 13. Remove tank prior to shut down

End Date 12/17/19

DIAGNOSTIC RECORD

-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100689  
 -----

Date: 12/17/2019  
 Time: 08:48:58

VERSIONS  
 DMT: 3.02  
 PIC: 3.03  
 Modem: 2.6  
 Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED  
 (44.0°C - 52.0°C)  
 Breath Tube = 45.2°C PASSED  
 (38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.81 V PASSED  
 (1.10 V - 2.56 V)  
 Cooler Voltage = 1.63 V PASSED  
 (0.99 V - 2.31 V)  
 Bias Voltage = 79 V PASSED  
 (47 V - 111 V)  
 Chopper Freq = 537 Hz PASSED  
 (475 Hz - 575 Hz)  
 Barometer = 29.1 in

PUMP INFO

Flow Rate = 4.169 L/M PASSED  
 (3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED  
 (0.002 V <= 0.010 V)  
 PUMP OFF PASSED  
 (0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED  
 Filter 2 PASSED  
 Filter 3 PASSED

INTERNAL STANDARD ✓

Xq = 0.097 1.34% (0.00% - 4.00%) PASSED



Technician Screen

-----  
DATAMASTER dmt: 100689  
-----

Date: 12/17/2019  
Time: 9:56 AM

Temperatures (°C)  
Sample Cell: 49.1°C  
Breath Tube: 45.5°C

Current Barometer 29.1 in  
Volume (Ltr) 1.49

Settings  
Lamp: 1.81 V  
Bias: 79 V  
Cooler: 1.73 V  
Chopper: 523 Hz

Voltages (V)  
Flow: 0.99 V  
Detector: -0.048 V

CALIBRATION FACTORS

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100689  
-----

Date: 12/16/2019  
Time: 10:52:30

OPERATOR NAME:  
DEREK WALTON  
CERTIFICATE #: 9508

|     |   |          |        |                |
|-----|---|----------|--------|----------------|
| Ca  | = | 0.1000   |        |                |
| CAL | = | 0.979465 | 0.800  | <= CAL < 1.200 |
| b1  | = | 0.0013   | 0.0000 | <= b1 < 0.0040 |
| b2  | = | 0.0069   | 0.0010 | <= b2 < 0.0100 |
| b3  | = | 0.0011   | 0.0000 | <= b3 < 0.0040 |
| Xq  | = | 0.0979   | 0.0500 | <= Xq < 0.2000 |
| a21 | = | 1.227391 | 1.050  | <= a21 < 1.300 |
| a31 | = | 0.543345 | 0.300  | <= a31 < 0.800 |

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100689

Date: 12/17/2019  
Time: 09:57:52

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

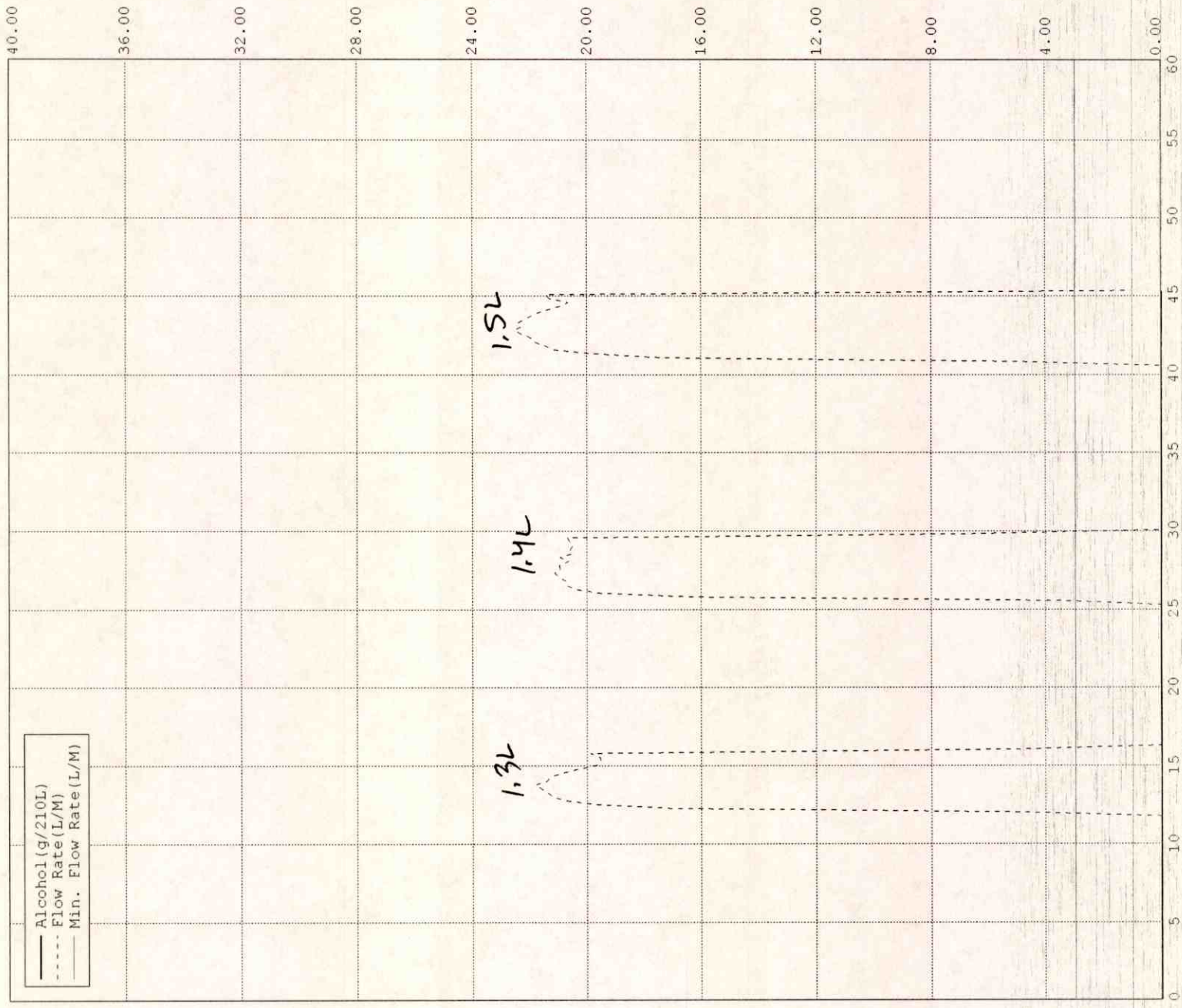
DEPT/AGENCY:  
MINIMUM VOLUME  
CASE/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.08: 0.078  
LOT #: AG826101  
EXPIRATION: 09/18/2020

|                            |          |       |
|----------------------------|----------|-------|
| DIAGNOSTIC CHECK           | PASSED   | 09:58 |
| BLANK TEST                 | 0.000    | 09:59 |
| INTERNAL STANDARD          | VERIFIED | 09:59 |
| EXTERNAL STANDARD          | 0.077    | 09:59 |
| BLANK TEST                 | 0.000    | 10:00 |
| SUBJECT SAMPLE (Vol=1.53L) | 0.000    | 10:01 |
| BLANK TEST                 | 0.000    | 10:02 |
| EXTERNAL STANDARD          | 0.077    | 10:02 |
| BLANK TEST                 | 0.000    | 10:03 |

*MJC*





LINEARITY CHECK

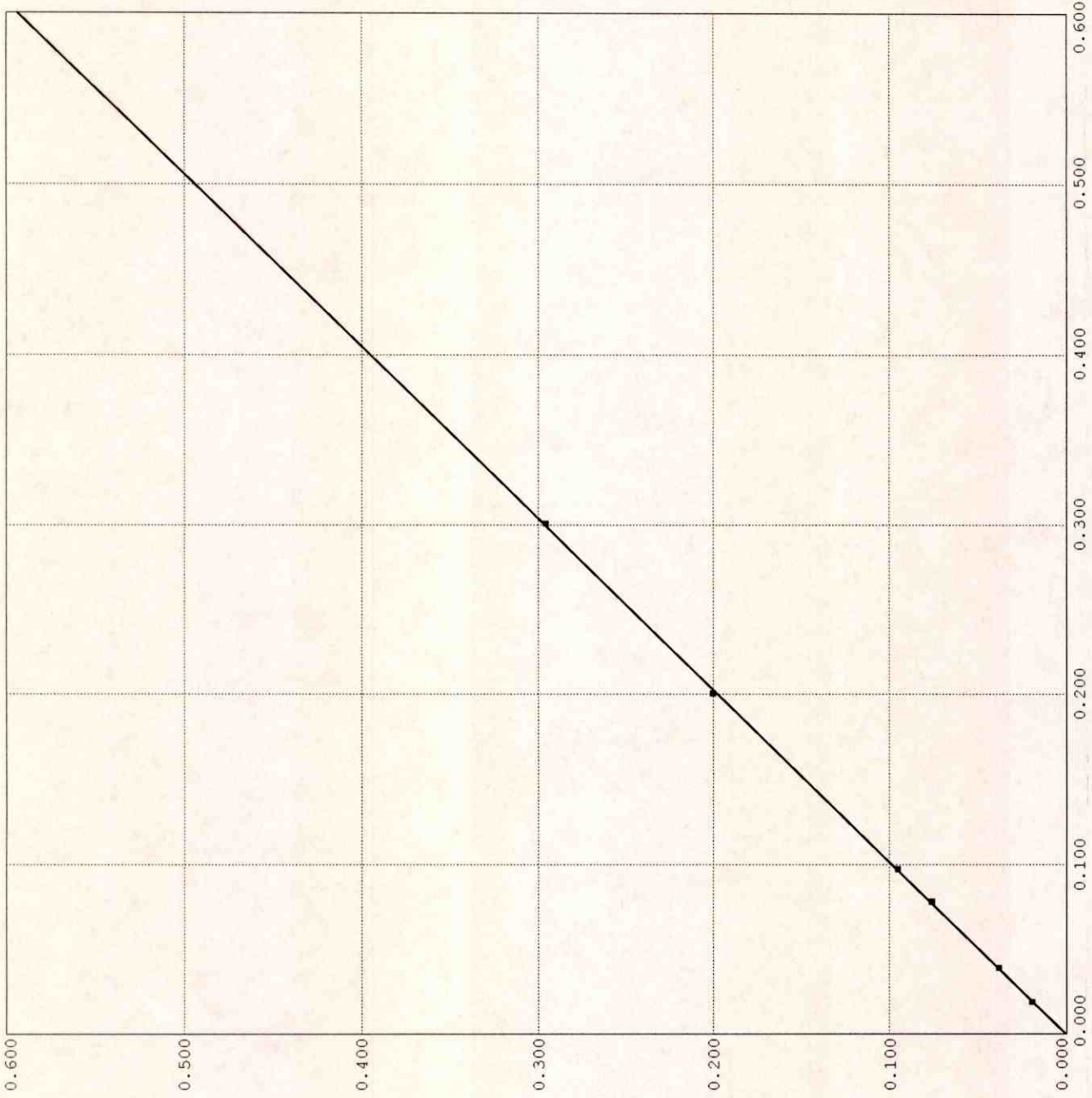
-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100689  
 -----

Date: 12/17/2019  
 Time: 10:06:39

SUPERVISOR NAME:  
 DEREK WALTON  
 OPERATOR'S #: 9508

| TARGET | AVERAGE | STD. DEV. |
|--------|---------|-----------|
| 0.019  | 0.0202  | 0.0004    |
| 0.039  | 0.0390  | 0.0000    |
| 0.078  | 0.0770  | 0.0000    |
| 0.097  | 0.0962  | 0.0004    |
| 0.200  | 0.2010  | 0.0000    |
| 0.300  | 0.2964  | 0.0015    |

SLOPE = 0.989246  
 R<sup>2</sup> = 0.999847



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LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

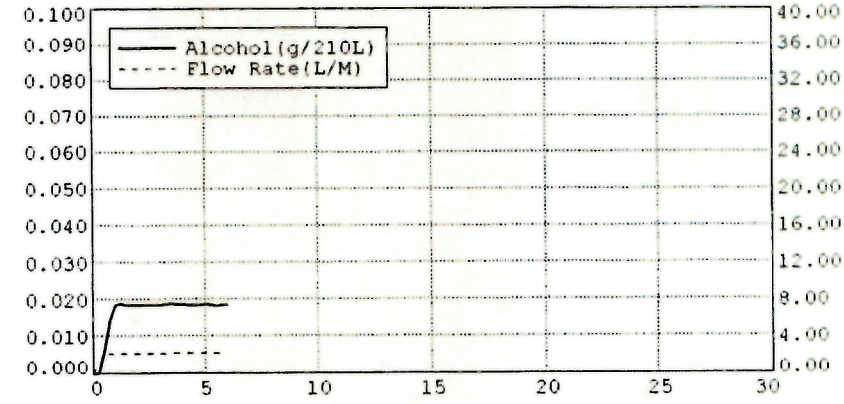
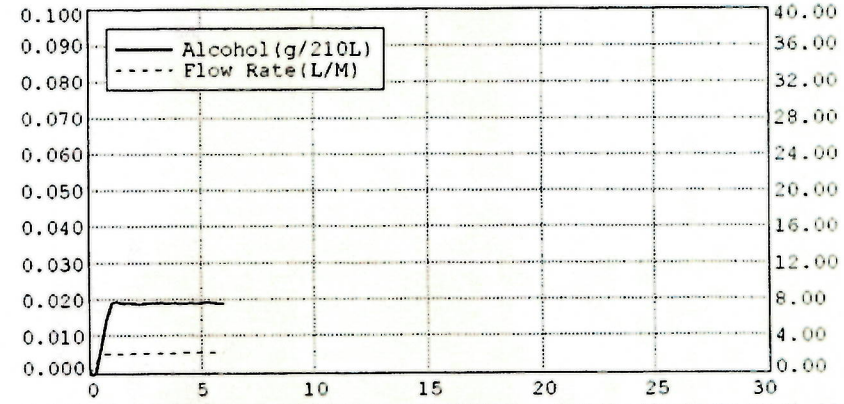
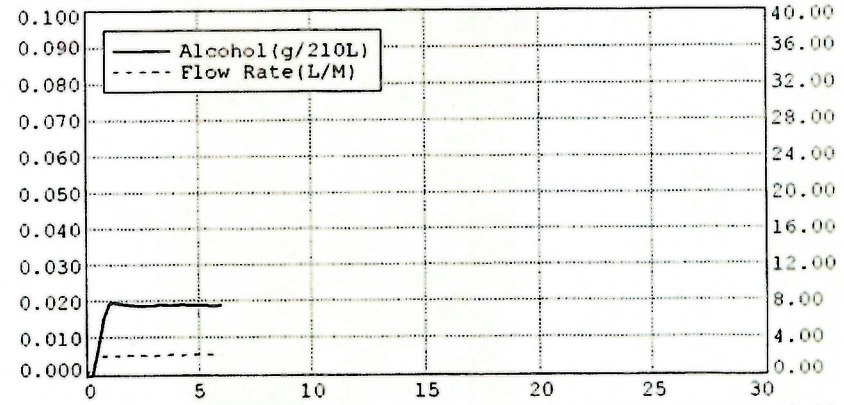
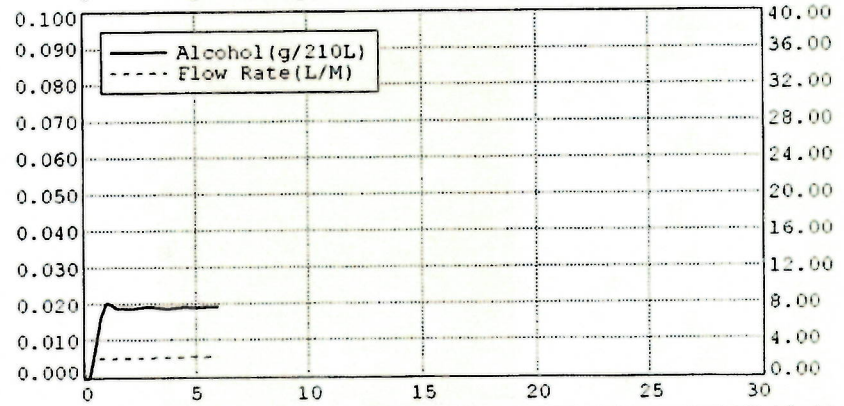
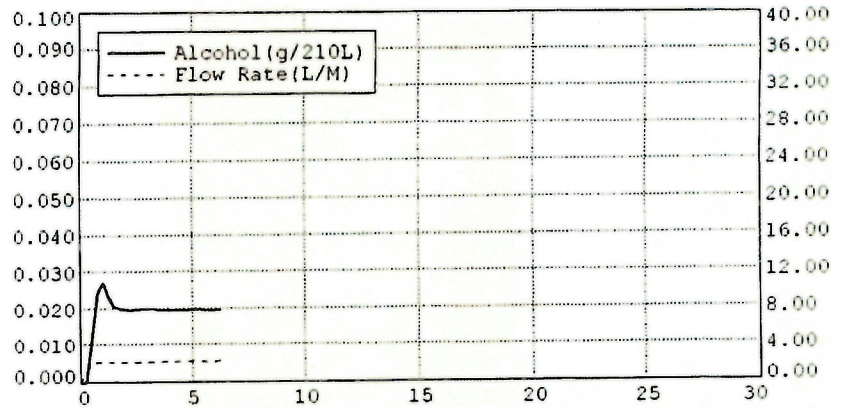
Date: 12/17/2019  
 Time: 10:06:41

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.07: 0.019  
 LOT #: ~~AG804805~~ AG805804 *DM 12/23/19*  
 EXPIRATION: 02/27/2020  
 TANK PRESSURE: 470 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 10:08 |
| INTERNAL STANDARD | VERIFIED | 10:08 |
| EXTERNAL STANDARD | 0.021    | 10:08 |
| BLANK TEST        | 0.000    | 10:09 |
| EXTERNAL STANDARD | 0.020    | 10:09 |
| BLANK TEST        | 0.000    | 10:10 |
| EXTERNAL STANDARD | 0.020    | 10:10 |
| BLANK TEST        | 0.000    | 10:11 |
| EXTERNAL STANDARD | 0.020    | 10:11 |
| BLANK TEST        | 0.000    | 10:12 |
| EXTERNAL STANDARD | 0.020    | 10:12 |
| BLANK TEST        | 0.000    | 10:13 |

Average = 0.0202  
 Std Dev = 0.0004





LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

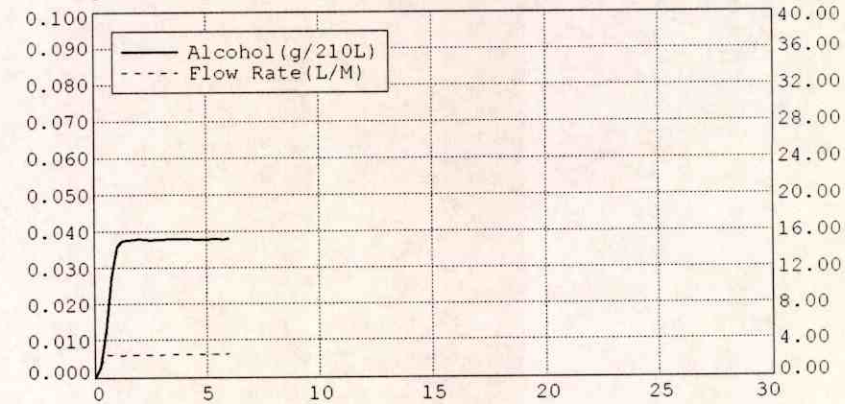
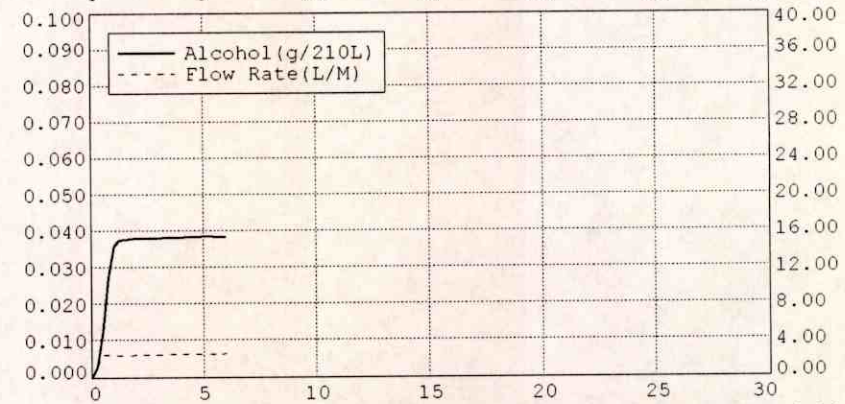
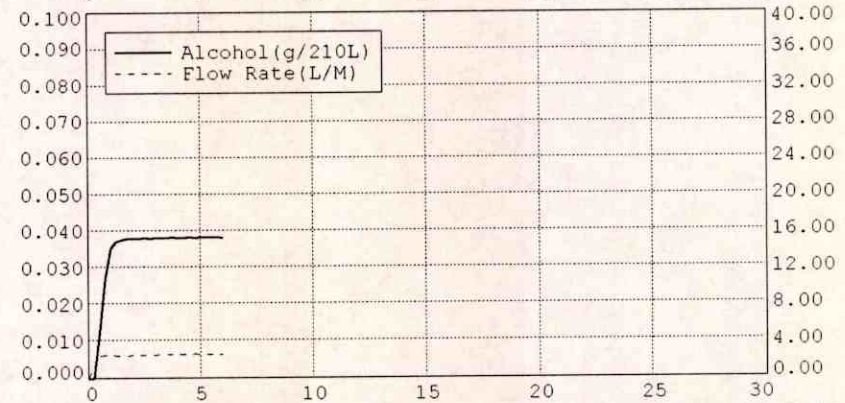
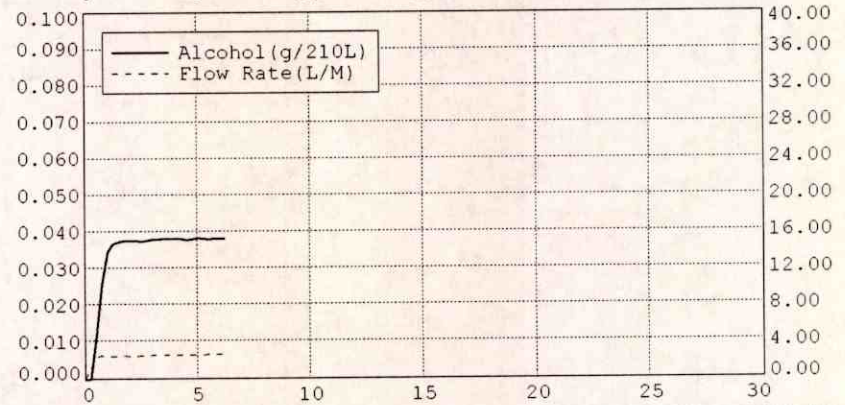
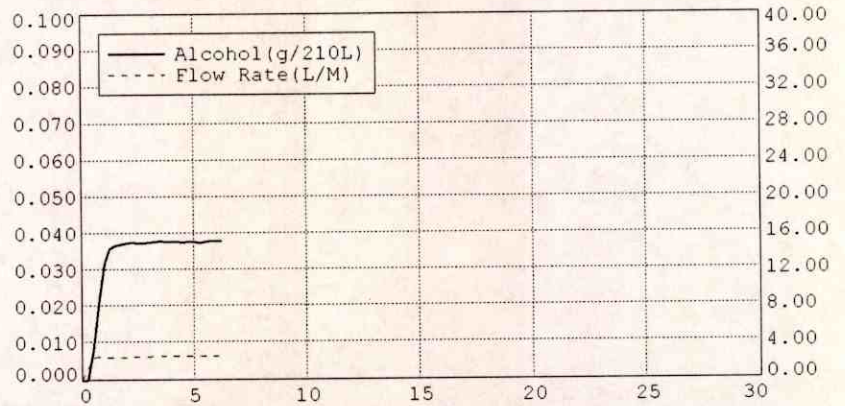
Date: 12/17/2019  
 Time: 10:16:30

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040  
 TARGET AT 29.07: 0.039  
 LOT #: AG915607  
 EXPIRATION: 06/05/2021  
 TANK PRESSURE: 1077 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 10:17 |
| INTERNAL STANDARD | VERIFIED | 10:17 |
| EXTERNAL STANDARD | 0.039    | 10:18 |
| BLANK TEST        | 0.000    | 10:19 |
| EXTERNAL STANDARD | 0.039    | 10:19 |
| BLANK TEST        | 0.000    | 10:20 |
| EXTERNAL STANDARD | 0.039    | 10:20 |
| BLANK TEST        | 0.000    | 10:21 |
| EXTERNAL STANDARD | 0.039    | 10:21 |
| BLANK TEST        | 0.000    | 10:22 |
| EXTERNAL STANDARD | 0.039    | 10:22 |
| BLANK TEST        | 0.000    | 10:23 |

Average = 0.0390  
 Std Dev = 0.0000





LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

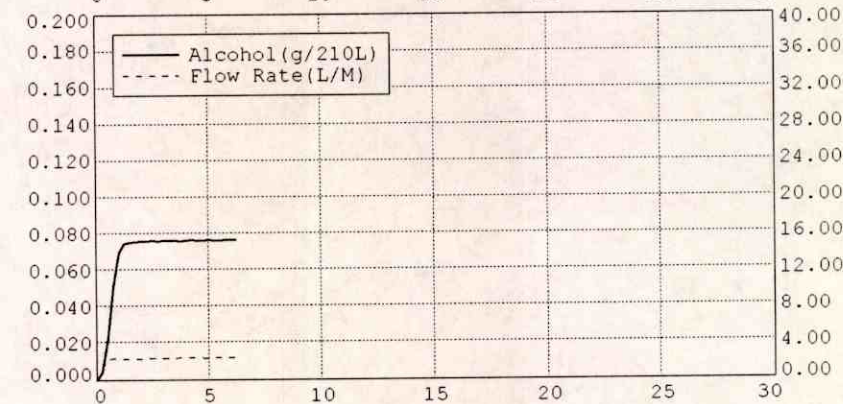
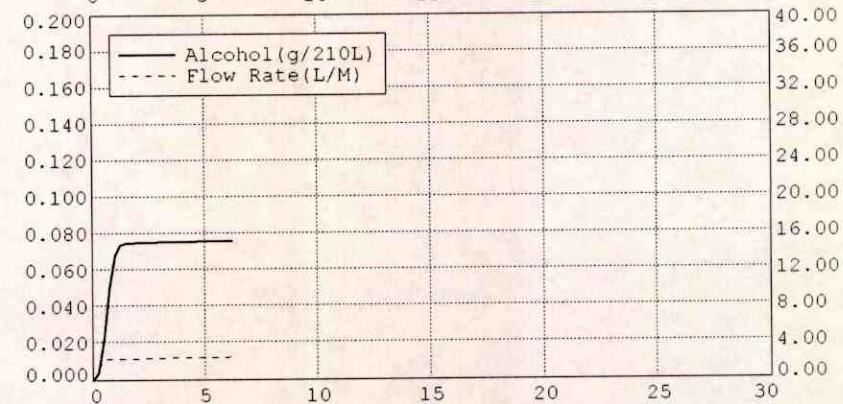
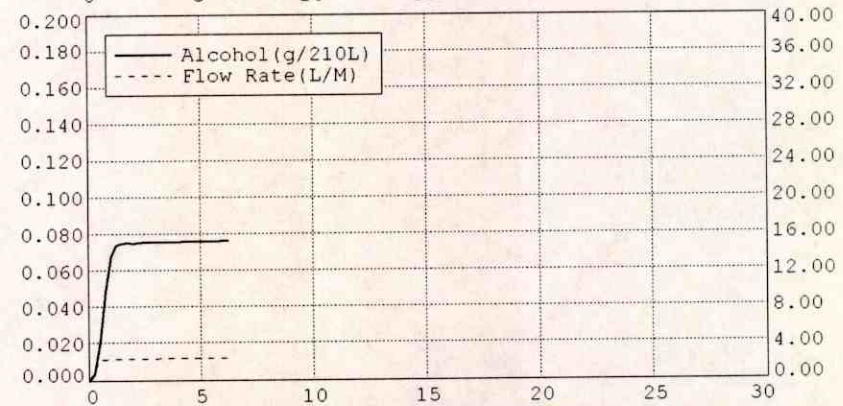
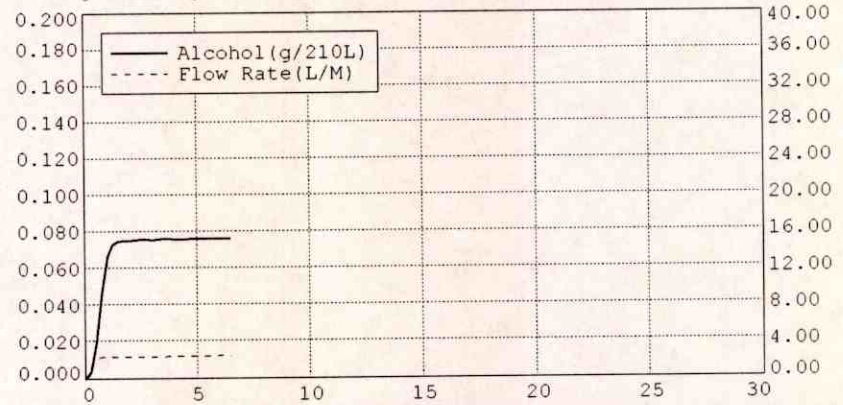
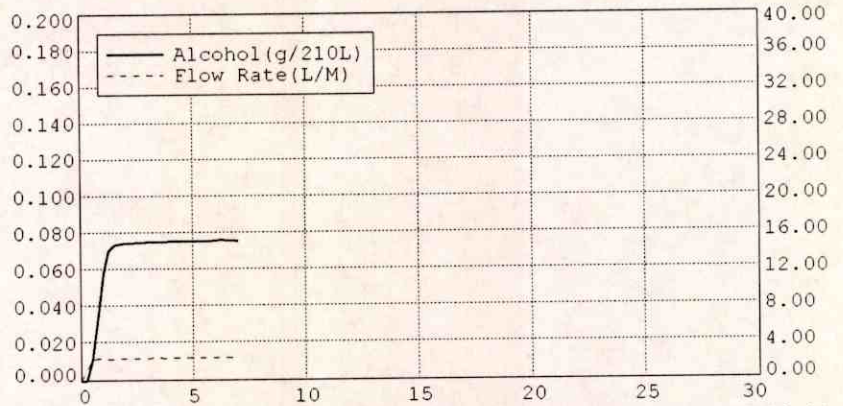
Date: 12/17/2019  
 Time: 10:24:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.07: 0.078  
 LOT #: AG826101  
 EXPIRATION: 09/18/2020  
 TANK PRESSURE: 717 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 10:25 |
| INTERNAL STANDARD | VERIFIED | 10:25 |
| EXTERNAL STANDARD | 0.077    | 10:26 |
| BLANK TEST        | 0.000    | 10:26 |
| EXTERNAL STANDARD | 0.077    | 10:27 |
| BLANK TEST        | 0.000    | 10:28 |
| EXTERNAL STANDARD | 0.077    | 10:28 |
| BLANK TEST        | 0.000    | 10:29 |
| EXTERNAL STANDARD | 0.077    | 10:29 |
| BLANK TEST        | 0.000    | 10:30 |
| EXTERNAL STANDARD | 0.077    | 10:30 |
| BLANK TEST        | 0.000    | 10:31 |

Average = 0.0770  
 Std Dev = 0.0000





LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety  
DATAMASTER dmt: 100689

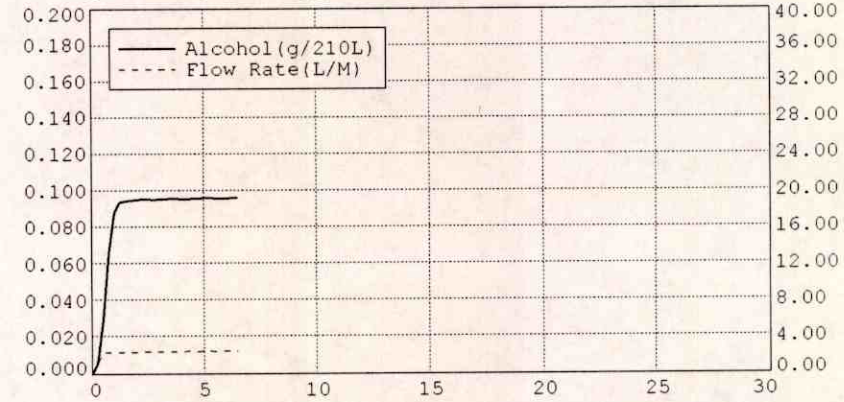
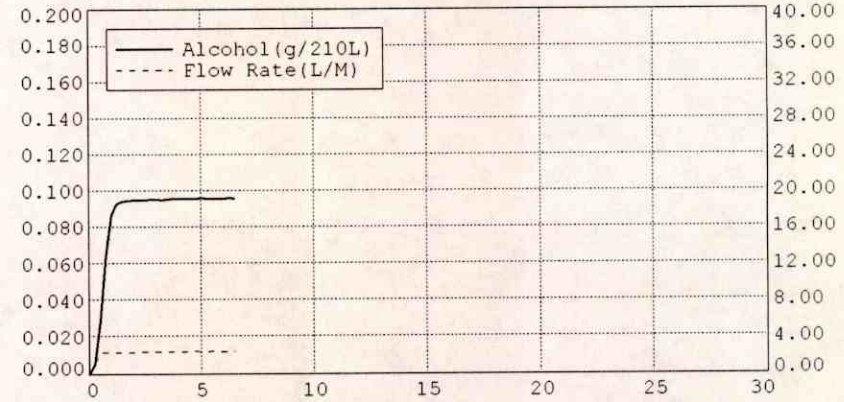
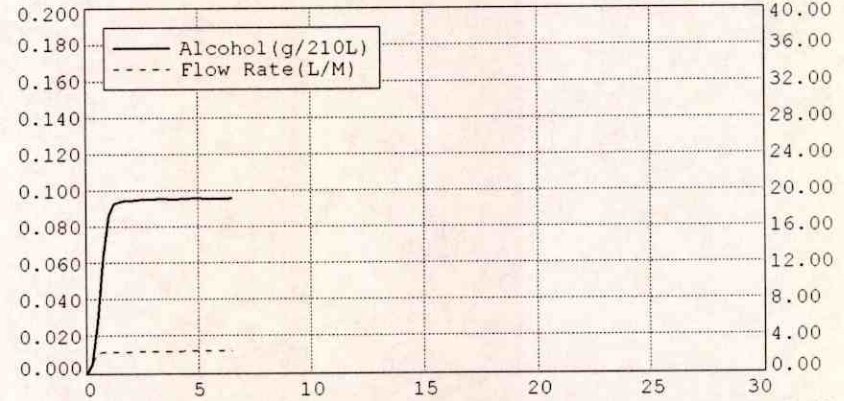
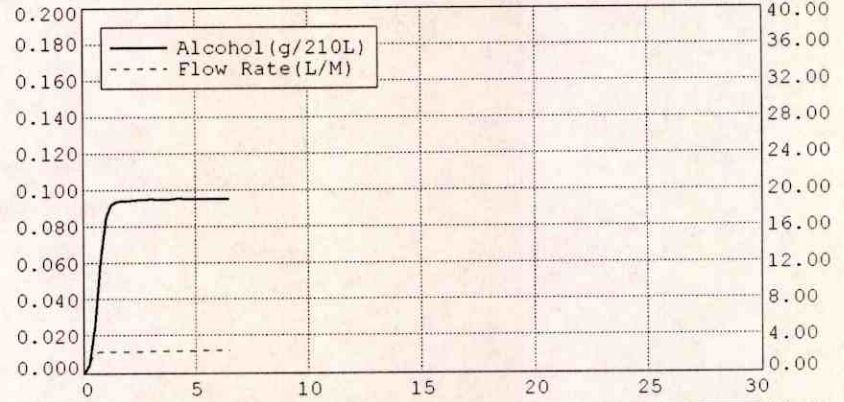
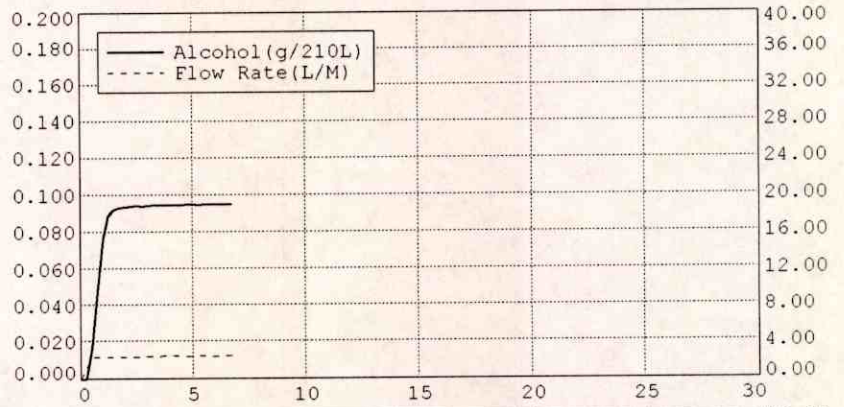
Date: 12/17/2019  
Time: 10:37:10

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
TARGET AT 29.07: 0.097  
LOT #: AG924701  
EXPIRATION: 09/04/2021  
TANK PRESSURE: 792 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 10:38 |
| INTERNAL STANDARD | VERIFIED | 10:38 |
| EXTERNAL STANDARD | 0.096    | 10:38 |
| BLANK TEST        | 0.000    | 10:39 |
| EXTERNAL STANDARD | 0.096    | 10:39 |
| BLANK TEST        | 0.000    | 10:40 |
| EXTERNAL STANDARD | 0.097    | 10:41 |
| BLANK TEST        | 0.000    | 10:41 |
| EXTERNAL STANDARD | 0.096    | 10:42 |
| BLANK TEST        | 0.000    | 10:43 |
| EXTERNAL STANDARD | 0.096    | 10:43 |
| BLANK TEST        | 0.000    | 10:44 |

Average = 0.0962  
Std Dev = 0.0004





LINEARITY CHECK: Control Test 5

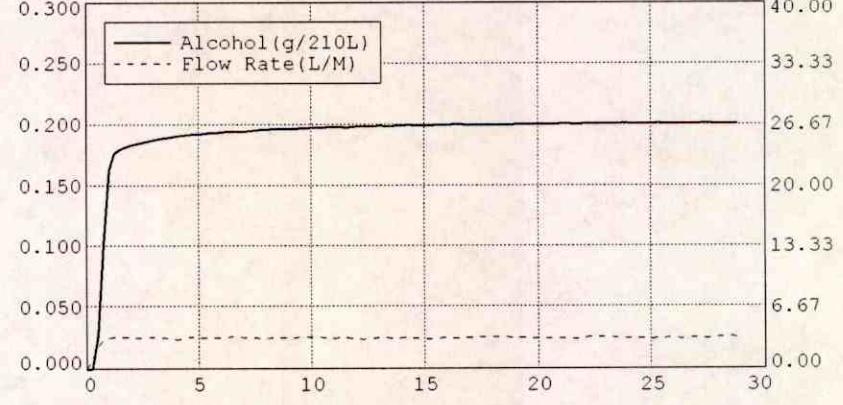
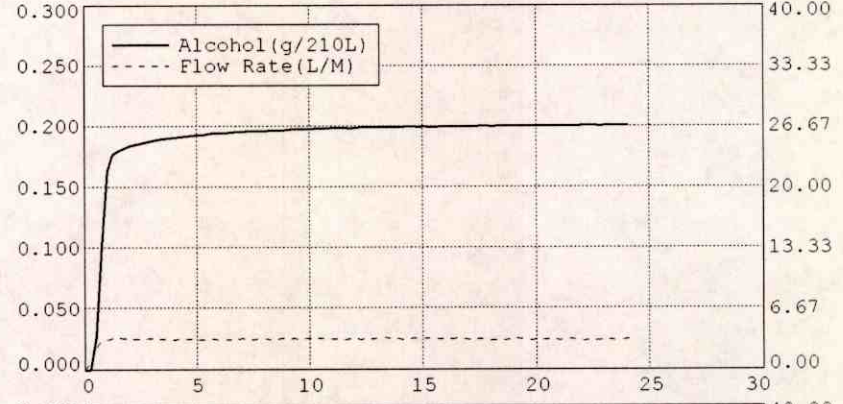
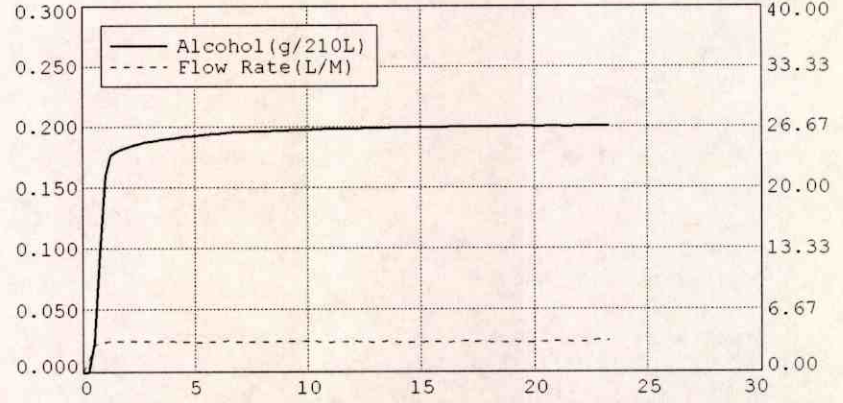
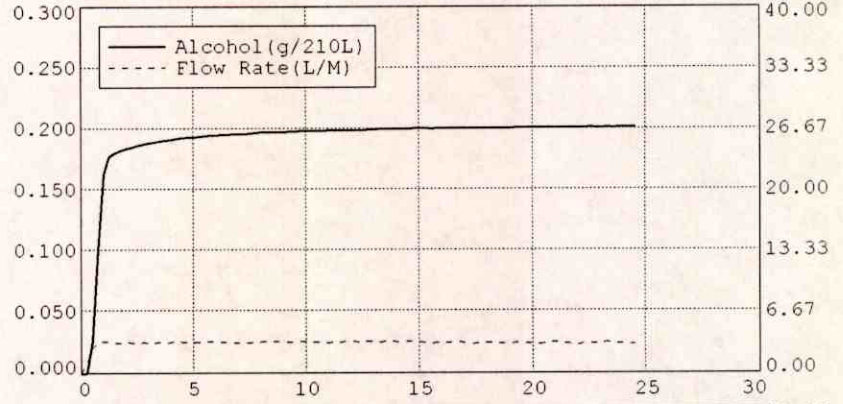
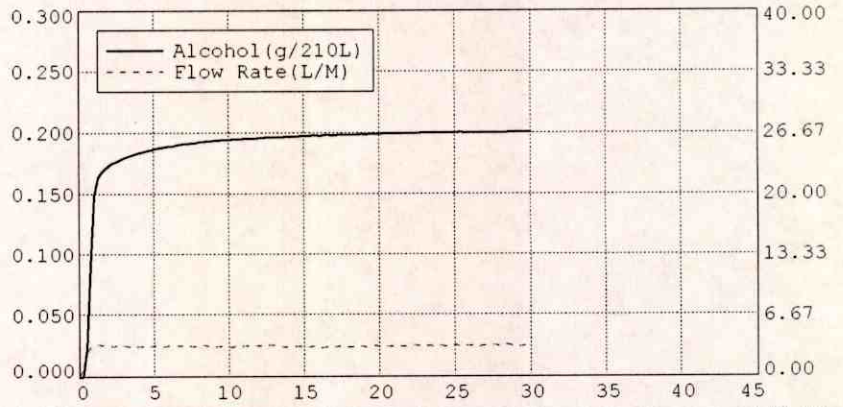
Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

Date: 12/17/2019  
 Time: 11:24:10

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.200  
 LOT #: 19040  
 EXPIRATION: 01/29/2021

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 11:25 |
| INTERNAL STANDARD | VERIFIED | 11:25 |
| EXTERNAL STANDARD | 0.201    | 11:25 |
| BLANK TEST        | 0.000    | 11:26 |
| EXTERNAL STANDARD | 0.201    | 11:27 |
| BLANK TEST        | 0.000    | 11:28 |
| EXTERNAL STANDARD | 0.201    | 11:28 |
| BLANK TEST        | 0.000    | 11:29 |
| EXTERNAL STANDARD | 0.201    | 11:30 |
| BLANK TEST        | 0.000    | 11:31 |
| EXTERNAL STANDARD | 0.201    | 11:31 |
| BLANK TEST        | 0.000    | 11:32 |

Average = 0.2010  
 Std Dev = 0.0000





LINEARITY CHECK: Control Test 6

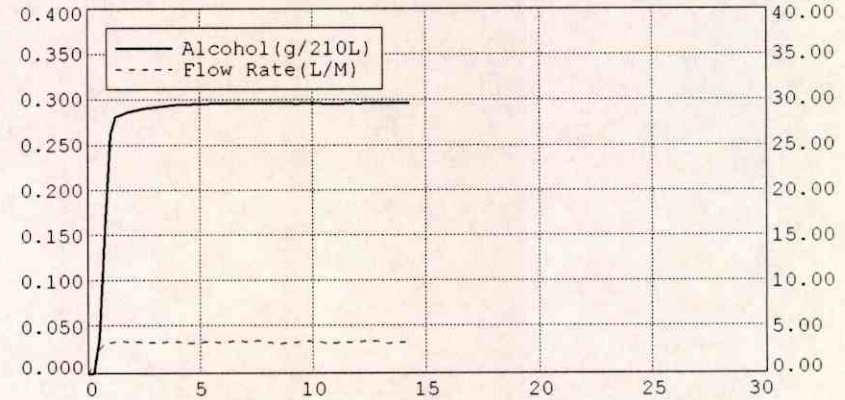
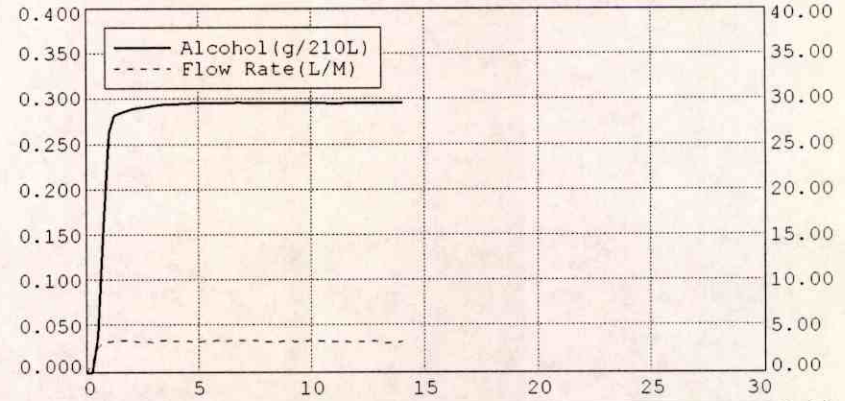
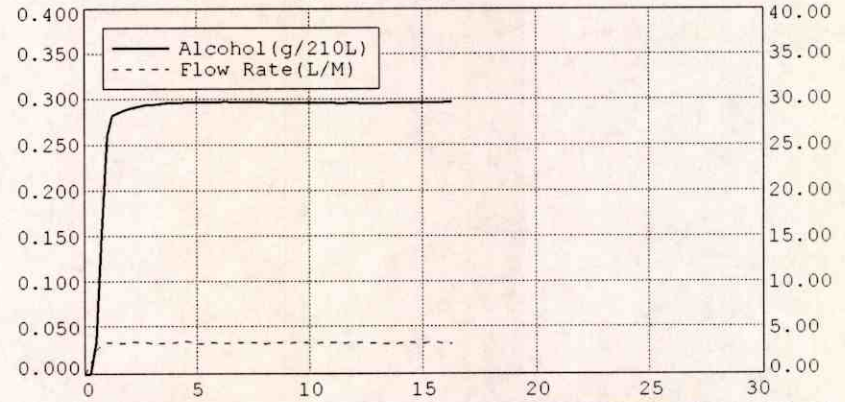
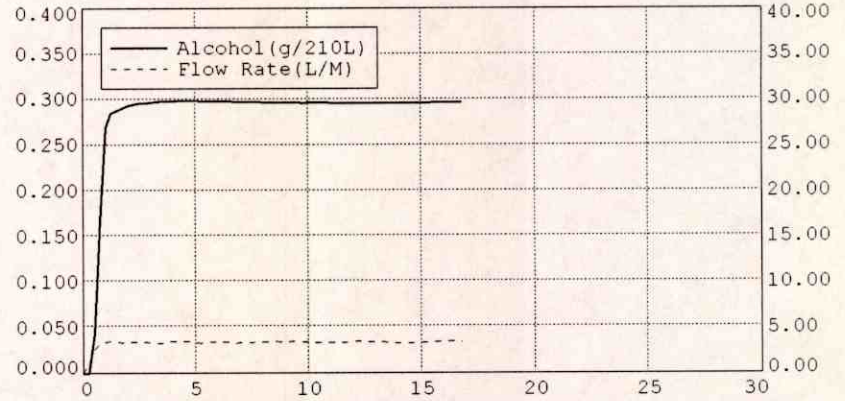
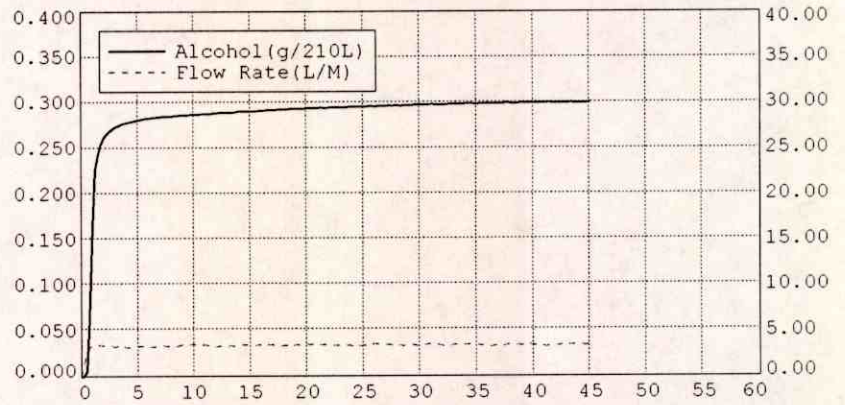
Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

Date: 12/17/2019  
 Time: 11:33:45

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 LOT #: 19010  
 EXPIRATION: 01/03/2021

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 11:35 |
| INTERNAL STANDARD | VERIFIED | 11:35 |
| EXTERNAL STANDARD | 0.299    | 11:36 |
| BLANK TEST        | 0.000    | 11:37 |
| EXTERNAL STANDARD | 0.296    | 11:37 |
| BLANK TEST        | 0.000    | 11:38 |
| EXTERNAL STANDARD | 0.296    | 11:38 |
| BLANK TEST        | 0.000    | 11:39 |
| EXTERNAL STANDARD | 0.295    | 11:39 |
| BLANK TEST        | 0.000    | 11:40 |
| EXTERNAL STANDARD | 0.296    | 11:41 |
| BLANK TEST        | 0.000    | 11:42 |

Average = 0.2964  
 Std Dev = 0.0015





SUBJECT TEST

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100689  
-----

Date: 12/17/2019  
Time: 13:16:11

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

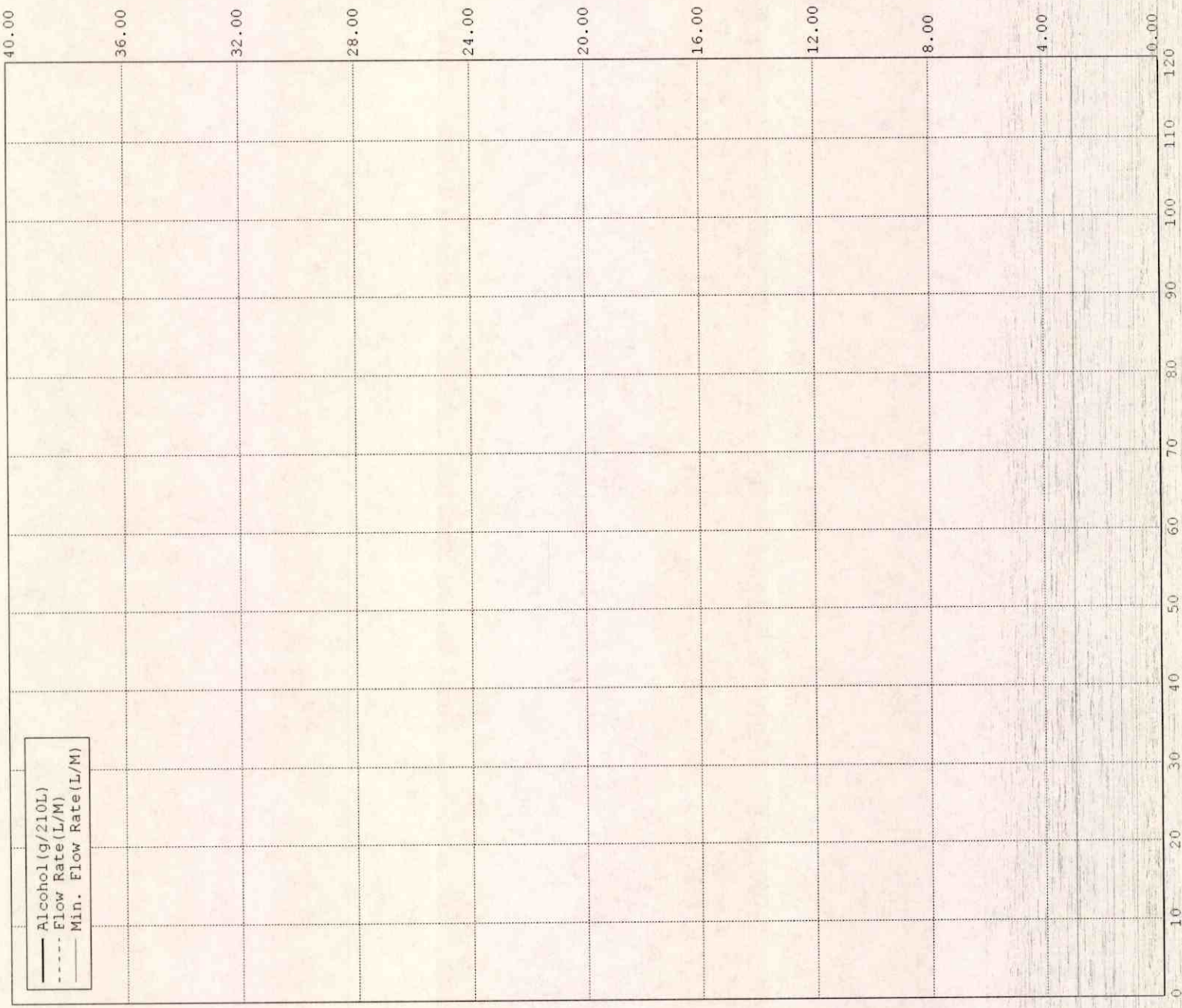
DEPT/AGENCY:  
INCOMPLETE  
CASE/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.05: 0.078  
LOT #: AG826101  
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK PASSED 13:18  
BLANK TEST 0.000 13:18  
INTERNAL STANDARD VERIFIED 13:18  
EXTERNAL STANDARD 0.077 13:18  
BLANK TEST 0.000 13:19  
SUBJECT SAMPLE INCOMPLETE 13:21

*DM*



SUBJECT TEST

-----  
Alaska Department of Public Safety

DATAMASTER dmt: 100689

-----  
Date: 12/17/2019

Time: 13:52:14

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

DEREK WALTON

OPERATOR'S #: 9508

DEPT/AGENCY:

INVALID

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.04: 0.078

LOT #: AG826101

EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK

PASSED 13:53

BLANK TEST

0.000 13:53

INTERNAL STANDARD

VERIFIED 13:53

0.077 13:53

EXTERNAL STANDARD

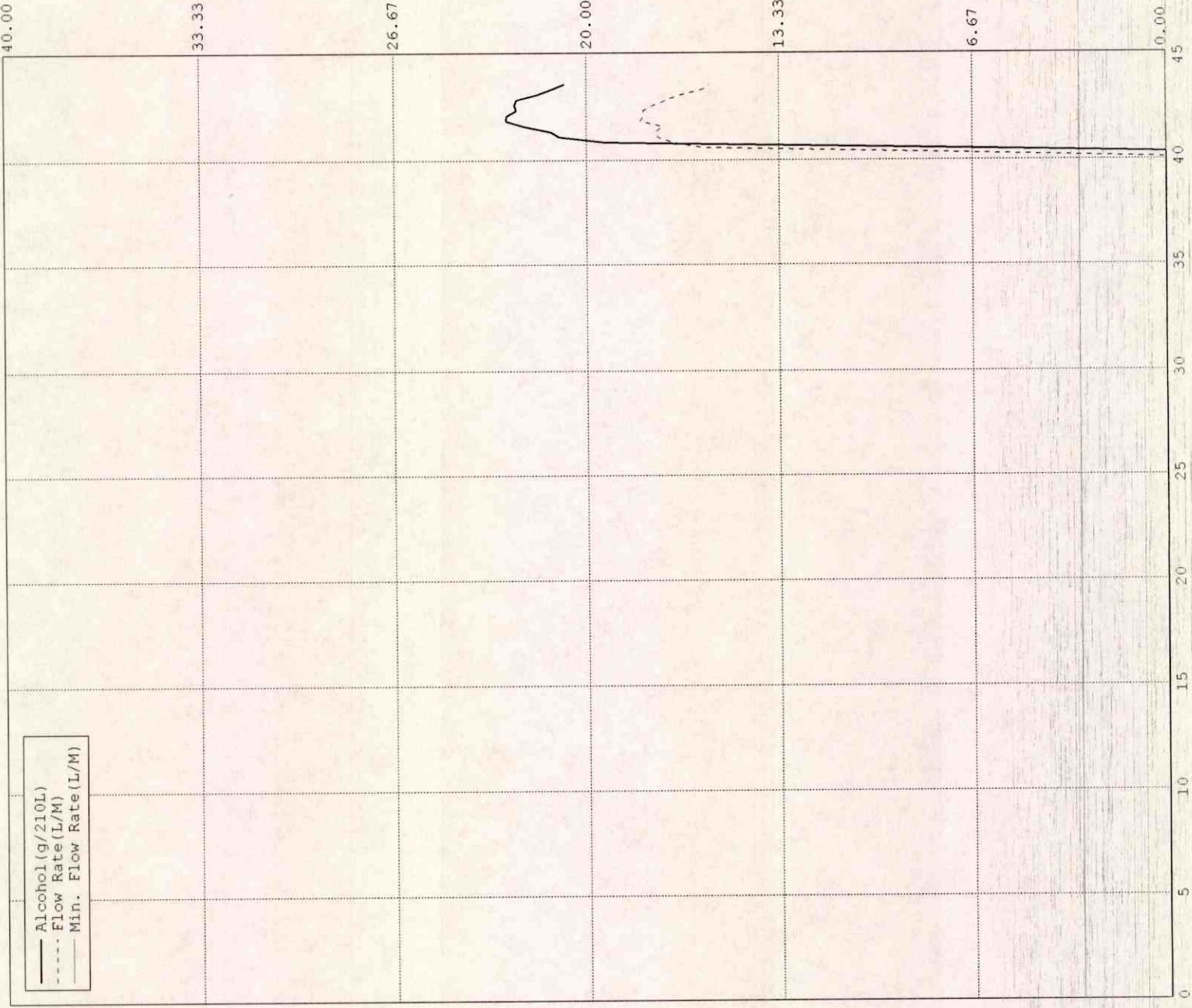
0.000 13:54

BLANK TEST

INVALID 13:55

SUBJECT SAMPLE

*Handwritten signature*





SUBJECT TEST

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100689  
-----

Date: 12/17/2019  
Time: 13:33:58

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

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

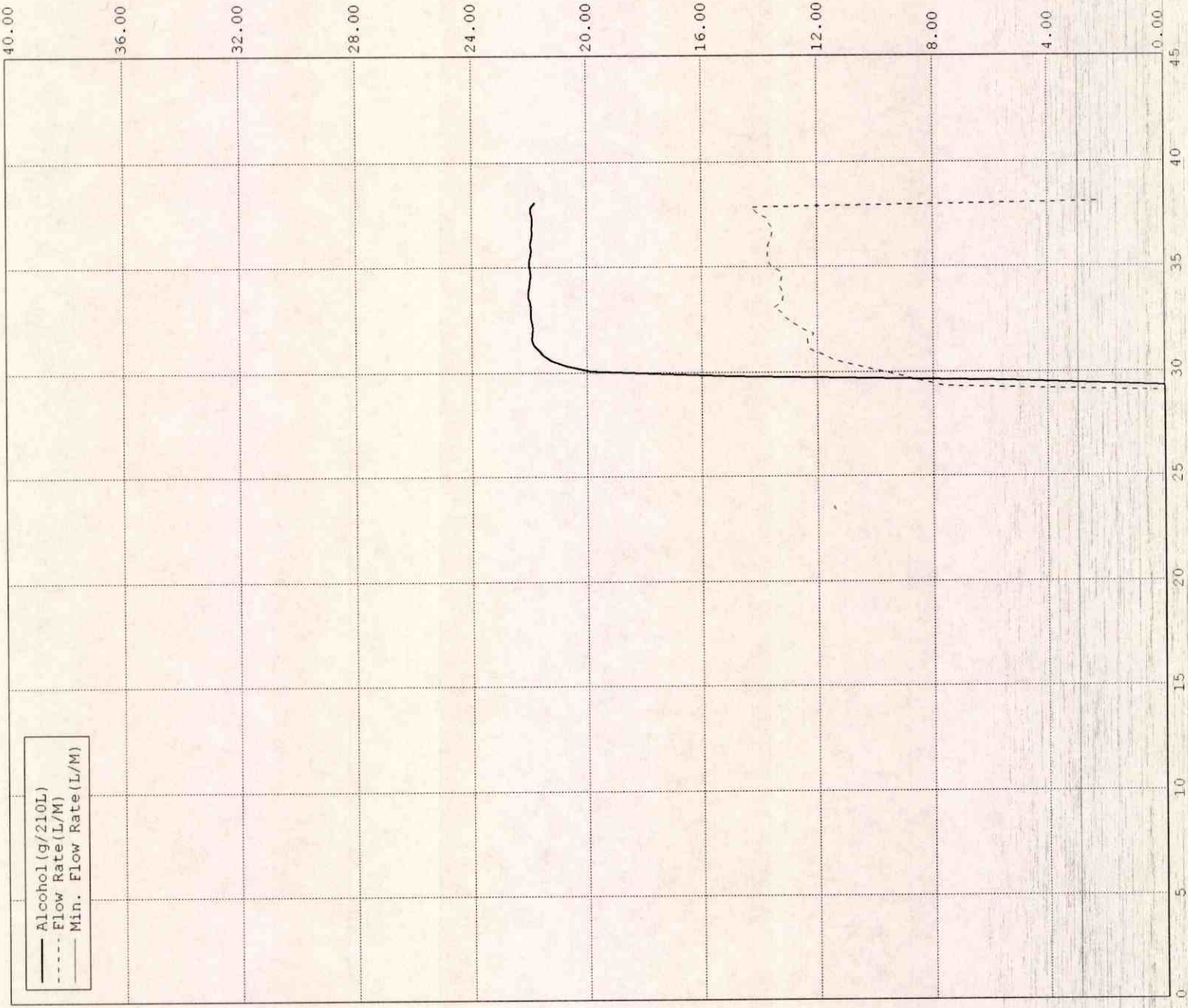
EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.04: 0.078  
LOT #: AG826101  
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK PASSED 13:35  
BLANK TEST 0.000 13:35  
INTERNAL STANDARD VERIFIED 13:35  
Xq = 0.098 (0.27%)  
EXTERNAL STANDARD 0.077 13:35  
X[1] = 0.0771 (0.0002) (0.0020)  
BLANK TEST 0.000 13:36  
SUBJECT SAMPLE XXX 13:37  
X[1] = 0.1093 (-0.0205) (0.0008)

Interference Detected

Filter 2 Avg: -0.0004  
Filter 3 Avg: 0.0017

*DW*





SUBJECT TEST

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100689  
-----

Date: 12/17/2019  
Time: 13:39:07

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

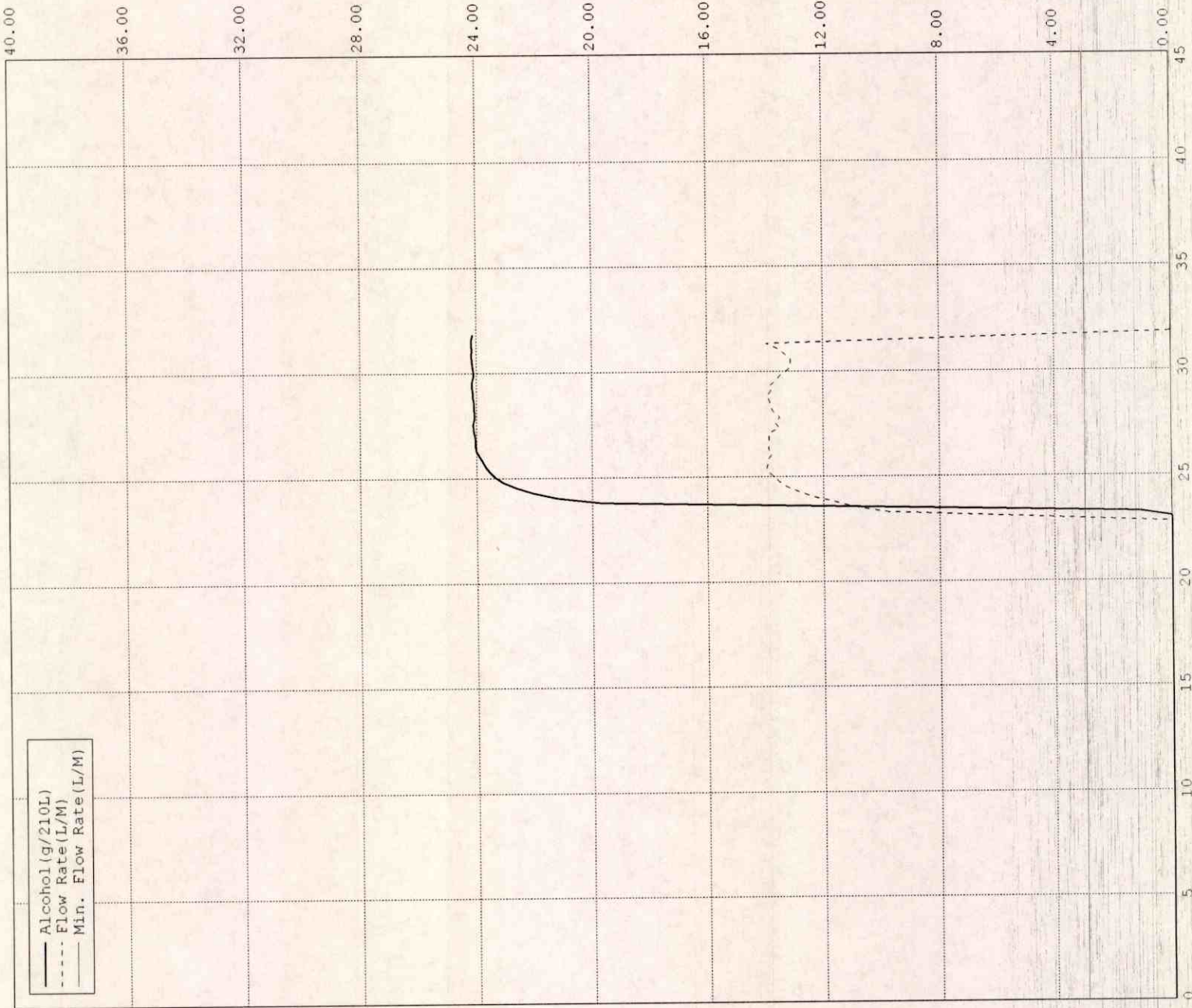
DEPT/AGENCY:  
INTERFERENCE ISOPROPANOL  
CASE/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.05: 0.078  
LOT #: AG826101  
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK PASSED 13:40  
BLANK TEST 0.000 13:40  
INTERNAL STANDARD VERIFIED 13:40  
Xg = 0.098 (0.18%)  
EXTERNAL STANDARD 0.077 13:40  
X[1] = 0.0770 (-0.0003) (0.0016)  
BLANK TEST 0.000 13:41  
SUBJECT SAMPLE XXX 13:42  
X[1] = 0.1205 (-0.0328) (0.0004)

Interference Detected





SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100689

Date: 12/17/2019

Time: 13:43:44

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

DEREK WALTON

OPERATOR'S #: 9508

DEPT/AGENCY:

INTERFERENCE NEGATIVE

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.05: 0.078

LOT #: AG826101

EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK

BLANK TEST

INTERNAL STANDARD

X<sub>g</sub> = 0.097 (0.90%)

EXTERNAL STANDARD

X[1] = 0.0763 (-0.0012) (0.0014)

BLANK TEST

SUBJECT SAMPLE (Vol=1.83L)

X[1] = 0.0969 (0.0006) (0.0011)

BLANK TEST

EXTERNAL STANDARD

X[1] = 0.0768 (-0.0001) (0.0018)

BLANK TEST

PASSED 13:44

0.000 13:44

VERIFIED 13:44

0.076 13:45

0.000 13:46

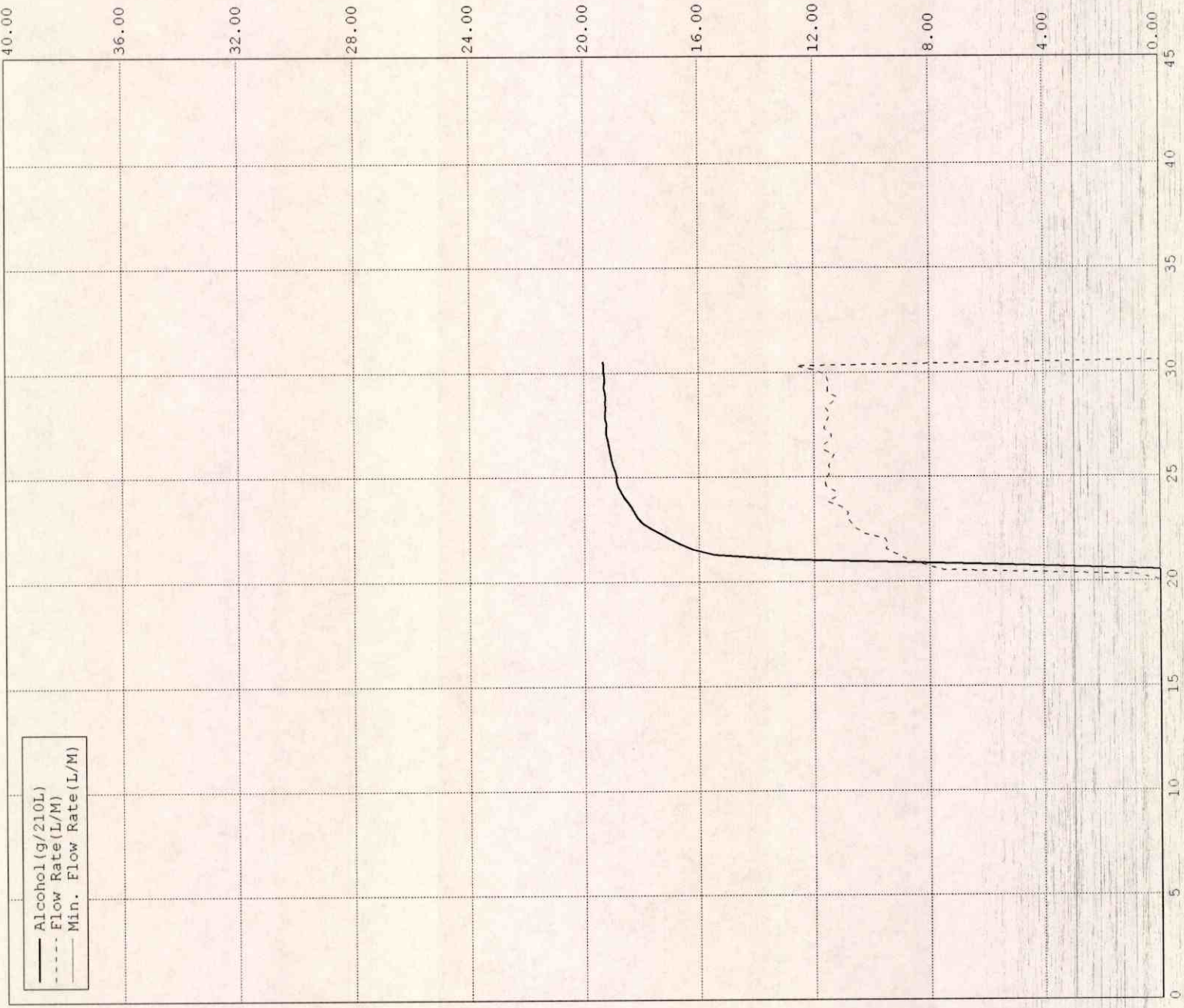
0.096 13:46

0.000 13:47

0.077 13:47

0.000 13:48

*DW*





SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100689

Date: 12/17/2019  
Time: 13:25:37

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

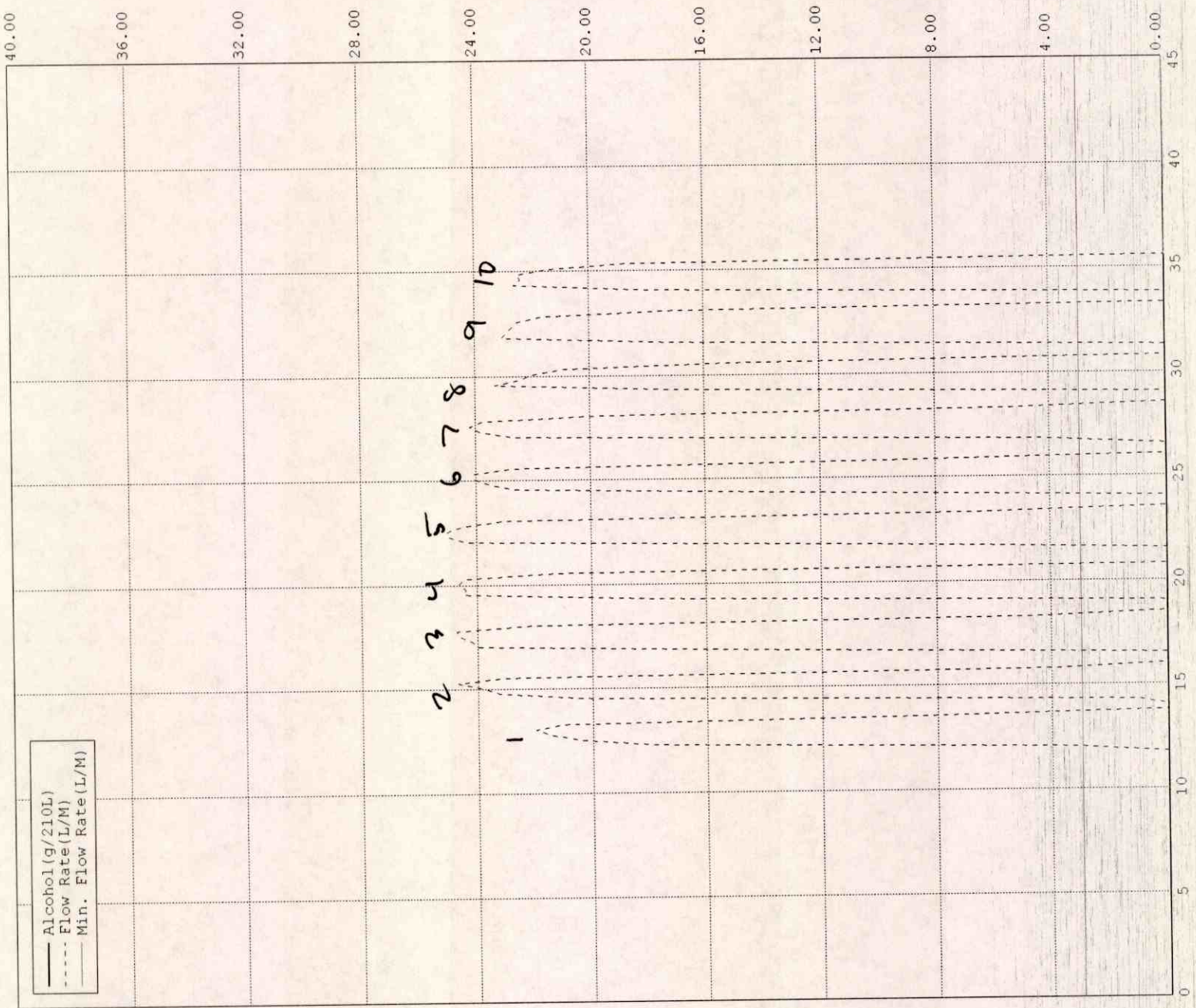
DEPT/AGENCY:  
MAXIMUM ATTEMPTS  
CASE/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.04: 0.078  
LOT #: AG826101  
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK PASSED 13:27  
BLANK TEST 0.000 13:27  
INTERNAL STANDARD VERIFIED 13:27  
EXTERNAL STANDARD 0.077 13:27  
BLANK TEST 0.000 13:28  
SUBJECT SAMPLE XXX 13:29

Maximum Attempts Exceeded





SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100689

Date: 12/17/2019  
Time: 13:58:58

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

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

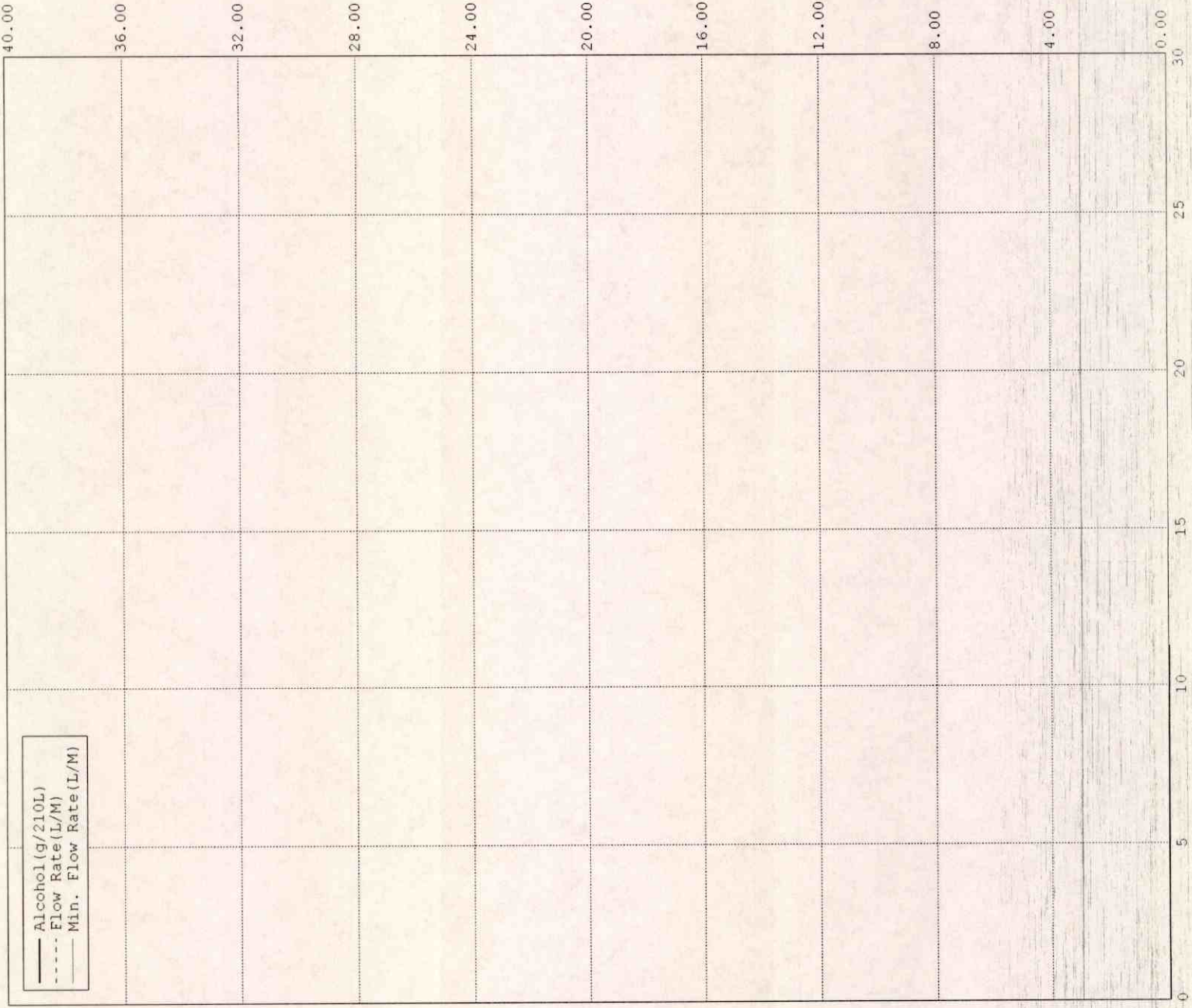
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.04: 0.078  
LOT #: AG826101  
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK PASSED 14:00  
BLANK TEST 0.000 14:00  
INTERNAL STANDARD VERIFIED 14:00  
EXTERNAL STANDARD 0.077 14:00  
BLANK TEST 0.000 14:01

RFI DETECTED

*DW*



SUBJECT TEST

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100689  
-----

Date: 12/17/2019  
Time: 14:56:51

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.04: 0.078  
LOT #: AG826101  
EXPIRATION: 09/18/2020

|                            |          |       |
|----------------------------|----------|-------|
| DIAGNOSTIC CHECK           | PASSED   | 14:57 |
| BLANK TEST                 | 0.000    | 14:57 |
| INTERNAL STANDARD          | VERIFIED | 14:58 |
| EXTERNAL STANDARD          | 0.077    | 14:58 |
| BLANK TEST                 | 0.000    | 14:59 |
| SUBJECT SAMPLE (Vol=2.61L) | 0.000    | 14:59 |
| BLANK TEST                 | 0.000    | 15:00 |
| EXTERNAL STANDARD          | 0.077    | 15:00 |
| BLANK TEST                 | 0.000    | 15:01 |

*DW*

