



**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

REPORT #7

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and whenever instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.

|   |                            |                                  |
|---|----------------------------|----------------------------------|
| ALCO SENSOR IV SN<br>102460   | PRINTER SN<br>096.3580.879 | DATE OF INSPECTION<br>03/24/2020 |
| LOCATION OF INSTRUMENT (STREET AND CITY)<br>123 East Santa Fe Ave Marceline, MO 64658 |                            | TIME OF INSPECTION<br>11:50 am   |

**CHECKLIST:** Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

|  |
|--|
| <input checked="" type="checkbox"/> DIGITAL READOUT (ALL ELEMENTS OPERATIONAL) |
| <input checked="" type="checkbox"/> TEMPERATURE OF ALCO SENSOR (10°C - 40°C)   |
| <input checked="" type="checkbox"/> PRINTER WORKING PROPERLY                   |
| <input checked="" type="checkbox"/> TIME AND DATE DISPLAYING PROPERLY          |

**BREATH ALCOHOL ACCURACY STANDARDS**

|  |  |
|--|--|
| <input type="checkbox"/> SIMULATOR SOLUTION  | <input checked="" type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE |
| <input checked="" type="checkbox"/> STANDARD SUPPLIER <u>Intoximeters</u> LOT # <u>AG929601</u> EXP. DATE <u>06/23/2021</u>  |  |
| <input type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) _____ SIMULATOR SN _____ SIMULATOR EXP DATE _____  |  |
| <input checked="" type="checkbox"/> CALIBRATION CHECK – (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)<br>Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED) |  |
| <input checked="" type="checkbox"/> 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE  |  |
| <input type="checkbox"/> 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE   |  |
| <input type="checkbox"/> 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE   |  |

|              |              |              |
|--------------|--------------|--------------|
| TEST 1  .099 | TEST 2  .099 | TEST 3  .099 |
|--------------|--------------|--------------|

RFI DETECTOR OPERATING

**INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT: (DO NOT INCLUDE SELF-ADMINISTERED TESTS)**

|          |   |         |   |           |   |           |   |           |   |            |   |
|----------|---|---------|---|-----------|---|-----------|---|-----------|---|------------|---|
| REFUSALS | 0 | (0-.04) | 0 | (.05-.09) | 0 | (.10-.14) | 0 | (.15-.19) | 0 | (OVER .19) | 0 |
|----------|---|---------|---|-----------|---|-----------|---|-----------|---|------------|---|

List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

Sent to Missouri Safety Center for repair on 04/10/2020  
Safety Center fixed and returned on 04/24/2020

**INSPECTING OFFICER**

|  |                                    |
|--|------------------------------------|
| SIGNATURE<br>  | PRINT NAME<br>RHONDA GULLEY        |
| TYPE II PERMIT NUMBER/EXPIRATION DATE<br>290042 02/26/2021 | TELEPHONE NUMBER<br>(660) 376-3556 |

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901

AS IV Serial no: 087960  
Version no: 532B

TEST RECORD 00251

Temp Date Time 210L

Air Blank:  
04/24/20 11:55 .000  
Calibration Check:  
23 04/24/20 11:55 .099

Subject Name

Subject I.D.

Operator Name, I.D.

R Gullety 1128

Location

MPD

AS IV Serial no: 087960  
Version no: 532B

TEST RECORD 00252

Temp Date Time 210L

Air Blank:  
04/24/20 11:57 .000  
Calibration Check:  
24 04/24/20 11:57 .099

Subject Name

Subject I.D.

Operator Name, I.D.

R Gullety 1128

Location

MPD

AS IV Serial no: 087960  
Version no: 532B

TEST RECORD 00253

Temp Date Time 210L

Air Blank:  
04/24/20 11:59 .000  
Calibration Check:  
25 04/24/20 11:59 .099

Subject Name

Subject I.D.

Operator Name, I.D.

R Gullety 1128

Location

MPD

AS IV Serial no: 087960  
Version no: 532B

TEST RECORD 00257

Temp Date Time 210L

VOID: RFI  
12 04/24/20 12:05

Subject Name

Subject I.D.

Operator Name, I.D.

R Gullety 1128

Location

MPD

AS IV Serial no: 087960  
Version no: 532B

TEST RECORD 00256

Temp Date Time 210L

Air Blank:  
04/24/20 12:04 .000  
Subject Test: Man  
27 04/24/20 12:04 .000

Subject Name

Subject I.D.

Operator Name, I.D.

R Gullety 1128

Location

MPD



Airgas USA LLC (LAB)

3500 Bernard Street

St. Louis, Mo. 63103

Ph: (314) 533-3100

Fax: (314) 533-7328

## Certificate of Analysis

**Customer Name**

*Exclusive Supplier*

Intoximeters, Inc.

2081 Craig Road

St. Louis, Mo 63146

**Test Date:** 23-Oct-2019

**Lot #** AG929601 **Model** 34cadd

**Exp. Date**

23-Jun-2021

**Cyl. Type**

34

**Component**

Ethanol

Nitrogen

**Certified Concentration**

0.100 ± 2% BrAC (272 ppm)

Balance

**Certification Traceable to N.I.S.T. RGM and to CRM Ethanol Standards:**

| <u>RGM Serial No.</u> | <u>Concentration</u> | <u>RGM Serial No.</u> | <u>Concentration</u> |
|-----------------------|----------------------|-----------------------|----------------------|
| EB0010581             | 392.1 ppm            | EB0010603             | 393.0 ppm            |
| EB0010570             | 259.8 ppm            | EB0010559             | 258.2 ppm            |
| EB0010285             | 208.0 ppm            | EB0010595             | 208.3 ppm            |
| EB0010561             | 103.6 ppm            | EB0010562             | 104.2 ppm            |
| EB0010681             | 52.12 ppm            | EB0010579             | 52.81 ppm            |
| <u>CRM Serial No.</u> | <u>Concentration</u> | <u>CRM Serial No.</u> | <u>Concentration</u> |
| CC434668              | 800.0 ppm            | 0056649               | 390.1 ppm            |
| CC234503              | 253.0 ppm            | 0056662               | 150.2 ppm            |

**Analytical Method:**

NDIR

Approved for Release:

Rod Marsala

ISO 17025:2005 A2LA accredited. Certificate Number 3082.06

ISO 17034:2016 A2LA accredited. Certificate Number 3082.07

## Certificate of Calibration

### Barometric Pressure

| Instrument Model | Serial Number | Received Date | Calibration Date  | Certificate Number |
|------------------|---------------|---------------|-------------------|--------------------|
| True-Cal II      | 50666         | N/A           | November 17, 2017 | 43056.551478       |

| Cust. ID# | Name of Organization | Customer Address |
|-----------|----------------------|------------------|
| N/A       | N/A                  | N/A              |

Intoximeters, Inc hereby certifies that this instrument has been calibrated with standards which are traceable to the National Institute of Standards and Technology and performed within the requirements of the laboratory's calibration services, and in compliance with ISO 17025:2005.

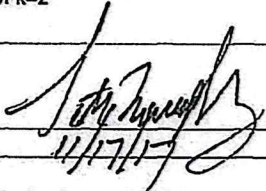
**Method Used:** Intoximeters Work Instruction: WI Accredited Calibration\_True-Cal II

**Standards Used:**  
**Standard Type** Meriam M2 Digital Reference Barometer  
**Serial or Lot Number** 1002000069 (CE 141)

| Instrument Condition as Received:  |               |          |  | Instrument Condition as Left: |               |        |          |
|--|---------------|----------|--|-------------------------------|---------------|--------|----------|
| New  |               |          |  | In tolerance                  |               |        |          |
| Laboratory tolerance is defined by a comparison of the mathematic mean of three readings to the target value, where the difference may be no greater than +/- 1.5% for incoming results, and no greater than +/- 1.0% for outgoing results, excluding the uncertainty, unless otherwise required by the customer in writing. |               |          |  |                               |               |        |          |
| <b>LOW Incoming</b>  | Expected      | Result   |  | <b>LOW Outgoing</b>           | Expected      | Result |          |
| Result 1:  |               | millibar |  | Result 1:                     | 850.0         | 853.8  | millibar |
| Result 2:  |               | millibar |  | Result 2:                     | 850.0         | 853.8  | millibar |
| Result 3:  |               | millibar |  | Result 3:                     | 850.0         | 853.9  | millibar |
| Mean:  |               | millibar |  | Mean:                         | 850.0         | 853.8  | millibar |
|  | % Difference: | %        |  |                               | % Difference: | 0.45   | %        |
| <b>HIGH Incoming</b>   | Expected      | Result   |  | <b>HIGH Outgoing</b>          | Expected      | Result |          |
| Result 1:  |               | millibar |  | Result 1:                     | 985.0         | 988.8  | millibar |
| Result 2:  |               | millibar |  | Result 2:                     | 985.0         | 988.9  | millibar |
| Result 3:  |               | millibar |  | Result 3:                     | 985.0         | 988.8  | millibar |
| Mean:  |               | millibar |  | Mean:                         | 985.0         | 988.8  | millibar |
|  | % Difference: | %        |  |                               | % Difference: | 0.39   | %        |

In the range of 550 to 650 mmHg, the expanded uncertainty is +/- 1.10 % of reading.  
 In the range of 740 to 760 mmHg, the expanded uncertainty is +/- 1.10 % of reading.  
 This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2

Issued by: Scott Murphy  
 Quality Manager or Deputy

Signature:   
 Date: 11/17/17

Note: This certifies the calibration of the instrument as of the date listed. Calibration, certification, and accuracy check requirements described in the Quality Program of your organization may supersede this certificate.

This certificate may not be reproduced without written permission by Intoximeters.

**Intoximeters**  
 2081 Craig Road | St. Louis, MO 63146  
 (314) 429-4000 | www.intox.com  
 An ISO 17025:2005 Accredited Lab



Calibration Cert No. 3384.01



STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM



**PERMIT**  
**TYPE II**  
**RHONDA GULLEY**

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

**ALCO-SENSOR IV WITH PRINTER**

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 2/26/2019

NUMBER 290042

EXPIRES 2/26/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES



STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM

**INSTRUMENT OPERATOR CARD**

*The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.*

Operator GULLEY, RHONDA  
Permit No 290042  
Date Issued 2/26/2019 Date Expires 2/26/2021

