



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

**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>111751   | PRINTER SN<br>09B.3589.476 | DATE OF INSPECTION<br>02/06/2020 |
| LOCATION OF INSTRUMENT (STREET AND CITY)<br>2121 E. County Dr, Columbia |                            | TIME OF INSPECTION<br>3:12 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.

- DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)
- TEMPERATURE OF ALCO SENSOR (10°C - 40°C)
- PRINTER WORKING PROPERLY
- 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>AG908401</u> EXP. DATE <u>03/25/2021</u>                  |
| <input type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) _____       | SIMULATOR SN _____ SIMULATOR EXP DATE _____                        |

CALIBRATION CHECK – (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)  
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)

- 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE
- 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE
- 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

|              |              |              |
|--------------|--------------|--------------|
| TEST 1  .100 | TEST 2  .098 | TEST 3  .097 |
|--------------|--------------|--------------|

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) | 1 | (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).

Instrument operating satisfactorily and within established limits.

**INSPECTING OFFICER**

|   |                                    |
|---|------------------------------------|
| SIGNATURE<br>   | PRINT NAME<br>Steven H. Verble     |
| TYPE II PERMIT NUMBER/EXPIRATION DATE<br>290102, 05/03/2021 | TELEPHONE NUMBER<br>(573) 875-1111 |

**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: 111751  
Version no: 5328

TEST RECORD 00290

Temp Date Time 210L s/  
Air Blank: 02/06/20 03:15 .000  
Calibration Check: 17 02/06/20 03:15 .100

Subject Name

Test)

Subject I.D.

Operator Name, I.D.

Verble, 290102

Location

2121 E. County Dr

Columbin

AS IV Serial no: 111751  
Version no: 5328

TEST RECORD 00291

Temp Date Time 210L s/  
Air Blank: 02/06/20 03:19 .000  
Calibration Check: 19 02/06/20 03:19 .099

Subject Name

Test 2

Subject I.D.

Operator Name, I.D.

Verble, 290102

Location

2121 E. County Dr

Columbin

AS IV Serial no: 111751  
Version no: 5328

TEST RECORD 00292

Temp Date Time 210L s/  
Air Blank: 02/06/20 03:22 .000  
Calibration Check: 20 02/06/20 03:22 .097

Subject Name

Test 3

Subject I.D.

Operator Name, I.D.

Verble, 290102

Location

2121 E. County Dr

Columbin

AS IV Serial no: 111751  
Version no: 5328

TEST RECORD 00293

Temp Date Time 210L s/  
Air Blank: 02/06/20 03:25 .000  
Calibration Check: 21 02/06/20 03:25 .097

Subject Name

RFA

Subject I.D.

Operator Name, I.D.

Verble, 290102

Location

2121 E. County Dr

Columbin



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: 26-Mar-2019

Lot # AG908401 Model 108cacc

| Exp. Date   | Cyl. Type | Component | Certified Concentration   |
|-------------|-----------|-----------|---------------------------|
| 25-Mar-2021 | 108       | Ethanol   | 0.100 ± 2% BrAC (272 ppm) |
|             |           | Nitrogen  | Balance                   |

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

| RGM Serial No. | Concentration | RGM Serial No. | Concentration |
|----------------|---------------|----------------|---------------|
| 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     |
| CRM Serial No. | Concentration | CRM Serial No. | Concentration |
| CC434668       | 800.0 ppm     | 0056649        | 390.1 ppm     |
| CC234503       | 253.0 ppm     | 0056662        | 150.2 ppm     |

Analytical Method: NDIR

Digitally signed by Quality Control  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

Approved for Release:

*Rod Marsala*  
Rod Marsala

ISO 17025:2005 A2LA accredited. Certificate Number 3082.06  
ISO 17034:2016 A2LA accredited. Certificate Number 3082.07



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



**PERMIT  
TYPE II**

**STEVEN H VERBLE**

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, INTOX DMT**

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 5/3/2019  
NUMBER 290102  
EXPIRES 5/3/2021  
MO 586-0771 (6-10)

*W. H. Verble*  
DIRECTOR OF STATE PUBLIC HEALTH LABORATORY  
*Steven H. Verble*  
DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES  
LAB-4 (R6-10)

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: VERBLE, STEVEN  
Permit No. 290102  
Date Issued 5/3/2019 Date Expires 5/3/2021