



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 107999	NAME OF AGENCY CLAY COUNTY SHERIFF'S OFFICE	DATE OF INSPECTION 10/04/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 12 S. WATER STREET, LIBERTY, MO 64068		TIME OF INSPECTION 5:12 pm

**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**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER INTOXIMETER LOT # AG407603 EXP. DATE 03/16/2026

SIMULATOR TEMPERATURE (34°C ± 0.2°C) \_\_\_\_\_ SIM. SN \_\_\_\_\_ SIM. NIST 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 ➡ .099	TEST 2 ➡ .098	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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME JAMES BUSH
TYPE II PERMIT NUMBER/EXPIRATION DATE 230285 - 12/06/2025	TELEPHONE NUMBER (816) 407-3700

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

AS IV Serial no: 107999  
Version no: 332B

TEST RECORD 90493

Year Date Time 218L

Air Blank  
10/24/24 17:12 .000  
Calibration Check  
23 10/24/24 17:12 .000

Subject Name  
Monthly Maintenance  
Subject I.D.

Test 1

Operator Name, I.D.  
J. Bush #2009

Location  
12 S. Water St.,  
Liberty, Mo 64068

AS IV Serial no: 107999  
Version no: 332B

TEST RECORD 90494

Year Date Time 218L

Air Blank  
10/24/24 17:14 .000  
Calibration Check  
23 10/24/24 17:14 .000

Subject Name  
Monthly Maintenance  
Subject I.D.

Test 2

Operator Name, I.D.  
J. Bush #2009

Location  
12 S. Water St.,  
Liberty, Mo 64068

AS IV Serial no: 107999  
Version no: 332B

TEST RECORD 90495

Year Date Time 218L

Air Blank  
10/24/24 17:16 .000  
Calibration Check  
23 10/24/24 17:16 .000

Subject Name  
Monthly Maintenance  
Subject I.D.

Test 3

Operator Name, I.D.  
J. Bush #2001

Location  
12 S. Water St.,  
Liberty, Mo 64068

AS IV Serial no: 107999  
Version no: 332B

TEST RECORD 20456  
Year Date Time 218L

Subject Name  
12 10/24/24 12:18

Subject Name  
Monthly Maintenance

Subject I.D.  
RFI Test

Operator Name, I.D.  
J. Bush #2001

Location  
12 S. Water St.,

Liberty, Mo 64068



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: 18-Mar-2024

**Lot # AG407603 Model 108**

<b>Exp Date</b> 16-Mar-2026	<b>Cyl. Type</b> 108	<b>Component</b> Ethanol Nitrogen	<b>Certified Concentration</b> 0.100 ± 2% BrAC (272 ppm)
--------------------------------	-------------------------	---	---

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

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010562	104.2 ppm
EB0010561	103.7 ppm	EB0010579	52.94 ppm
EB0010681	52.22 ppm		

CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC727481	799.4 ppm	CC727493	389.8 ppm
CC727496	253.4 ppm	CC727498	150.2 ppm

Analytical Method: NDIR

Digitally signed by:Quality Control  
 Reason:Dry gas standard certification of analysts  
 Location:Airgas USA LLC (Lab)  
 Date:03.22.2024 07:48

Approved for Release: \_\_\_\_\_  
 Yusef Woods

ISO 17025:2017 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**  
**JAMES S. BUSH**

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 EC/IR II**

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 12/6/2023

NUMBER 230285

EXPIRES 12/6/2025

*Laura Q. Day*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Donald A. Krumm*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

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 BUSH, JAMES  
 Permit No 230285  
 Date Issued 12/6/2023 Date Expires 12/6/2025

