



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 STATE PUBLIC HEALTH LABORATORY  
**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

REPORT #

**RECEIVED**

By Tracy Crews at 6:49 pm, Feb 20, 2025

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

ALCO SENSOR IV SN 111676	NAME OF AGENCY Jefferson County Sheriff's Office	DATE OF INSPECTION 02/16/2025
LOCATION OF INSTRUMENT (STREET AND CITY) 410 First Street, Hillsboro, MO 63050		TIME OF INSPECTION 9:44 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 # AG305902 EXP. DATE 02/28/2025

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 ➡ .102

TEST 2 ➡ .102

TEST 3 ➡ .102

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

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  
Deputy Nicholas Gamm 549

TYPE II PERMIT NUMBER/EXPIRATION DATE  
240104 / 05/14/2026

TELEPHONE NUMBER  
(636) 797-5000

**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: 111676  
Version no: 532B

TEST RECORD 00515

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
02/16/25 22:38 .000  
Calibration Check:  
18 02/16/25 22:38 .102

Subject Name

Feb Maintenance

Subject I.D.

Gamm 240104  
Operator Name, I.D.

Location

Test #1

AS IV Serial no: 111676  
Version no: 532B

TEST RECORD 00516

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
02/16/25 22:40 .000  
Calibration Check:  
18 02/16/25 22:40 .102

Subject Name

Subject I.D.

Operator Name, I.D.

Location

Test #2

AS IV Serial no: 111676  
Version no: 532B

TEST RECORD 00517

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
02/16/25 22:42 .000  
Calibration Check:  
18 02/16/25 22:42 .102

Subject Name

Subject I.D.

Operator Name, I.D.

Location

Test #3

AS IV Serial no: 111676  
Version no: 532B

TEST RECORD 00518

Temp Date Time <sup>9/</sup> 210L

VOID: RFI  
12 02/16/25 20:43

Subject Name

Subject I.D.

Operator Name, I.D.

Location

RFI!!!



**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:** 9-Jan-2025

**Lot #** AG500904 **Model** 108

<b>Exp Date</b> 9-Jan-2027	<b>Cyl. Type</b> 108	<b>Component</b> Ethanol Nitrogen	<b>Certified Concentration</b> 0.100 ± 2% BrAC (272 ppm)
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**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 analysis  
 Location:Airgas USA LLC (Lab)  
 Date:01.10.2025 09:22

**Approved for Release:** \_\_\_\_\_

Yusef Woods

**ISO 17025:2017 A2LA accredited. Certificate Number 3082.06**  
**ISO 17034:2016 A2LA accredited. Certificate Number 3082.07**