



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

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

**RECEIVED**

REPORT #

By Tracy Crews at 9:13 am, May 23, 2024

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

ALCO SENSOR IV SN 030807	NAME OF AGENCY Jefferson County Sheriff's Office	DATE OF INSPECTION 05/22/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 400 First St. Hillsboro, MO 63050		TIME OF INSPECTION 2126

**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 Intoximeters 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 ← .098

TEST 2 ← .098

TEST 3 ← .098

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)
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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).

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**INSPECTING OFFICER**

SIGNATURE

PRINT NAME **Zachary Reed #810**

TYPE II PERMIT NUMBER/EXPIRATION DATE **230236 10/31/2025**

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.

ASTM Serial no: 030807  
Version no: 532B

TEST RECORD 00387

Temp Date Time 21°C

Air Blank:  
05/22/24 21:26 000  
Calibration Check:  
22 05/22/24 21:26 098

Subject Name  
*Test 1*  
Subject I.D.

Operator Name, I.D.  
*W Reed 230236*  
Location

ASTM Serial no: 030807  
Version no: 532B

TEST RECORD 00388

Temp Date Time 21°C

Air Blank:  
05/22/24 21:29 000  
Calibration Check:  
22 05/22/24 21:29 098

Subject Name  
*Test 2*  
Subject I.D.

Operator Name, I.D.  
*W Reed 230236*  
Location

ASTM Serial no: 030807  
Version no: 532B

TEST RECORD 00389

Temp Date Time 21°C

Air Blank:  
05/22/24 21:32 000  
Calibration Check:  
23 05/22/24 21:32 098

Subject Name  
*Test 3*  
Subject I.D.

Operator Name, I.D.  
*W Reed 230236*  
Location

ASTM Serial no: 030807  
Version no: 532B

TEST RECORD 00390

Temp Date Time 21°C

VOID: RFI  
12 05/22/24 21:34

Subject Name  
*Test 4*  
Subject I.D.

Operator Name, I.D.  
*W Reed 230236*  
Location



Airgas USA LLC (LAB)  
 3500 Bernard Street  
 St. Louis, Mo. 63103  
 Ph: (314) 533-3100  
 Fax: (314) 533-7328

## Certificate of Analysis

Test Date: 28-Feb-2023

Customer Name  
 Exclusive Supplier  
 Intoximeters, Inc.  
 2081 Craig Road  
 St. Louis, Mo 63146

Lot # AG305902 Model 108

Exp Date	Cyl. Type	Component	Certified Concentration
28-Feb-2025	108	Ethanol Nitrogen	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	800.0 ppm	CC727493	390.0 ppm
CC727496	253.0 ppm	CC727498	150.0 ppm

Analytical Method: NDIR

Digitally signed by: Quality Control  
 Reason: Dry gas standard certification of analysis  
 Location: Airgas USA LLC (Lab)  
 Date: 03 01 2023 17:25

Approved for Release:   
 Rod Marsala

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