



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

**RECEIVED**  
 By Tracy Crews at 8:09 am, May 20, 2024

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 102472	NAME OF AGENCY Greene County Sheriff's Office	DATE OF INSPECTION 05/02/2024
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LOCATION OF INSTRUMENT (STREET AND CITY) 5100 West Division St, Springfield, MO 65803	TIME OF INSPECTION 0:04 am
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**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>AG306807</u> EXP. DATE <u>03/09/2025</u>
<input type="checkbox"/> 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  .101	TEST 2  .100	TEST 3  .098
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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).

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME Colton Pendergrass
TYPE II PERMIT NUMBER/EXPIRATION DATE 240081 - 04/02/2026	TELEPHONE NUMBER (417) 868-4040

**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: 102472  
Version no: 532B

TEST RECORD 02018

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

Air Blank:  
05/02/24 12:04 .000  
Calibration Check:  
20 05/02/24 12:04 .101

Subject Name

Test 1

Subject I.D.

Operator Name, I.D.

CoPendergrass 240081

Location

AS IV Serial no: 102472  
Version no: 532B

TEST RECORD 02019

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

Air Blank:  
05/02/24 12:06 .000  
Calibration Check:  
21 05/02/24 12:06 .100

Subject Name

Test 2

Subject I.D.

Operator Name, I.D.

CoPendergrass 240081

Location

AS IV Serial no: 102472  
Version no: 532B

TEST RECORD 02020

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

Air Blank:  
05/02/24 12:08 .000  
Calibration Check:  
22 05/02/24 12:08 .098

Subject Name

Test 3

Subject I.D.

Operator Name, I.D.

CoPendergrass 240081

Location

AS IV Serial no: 102472  
Version no: 532B

TEST RECORD - REPRINT

TEST RECORD 02021

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

VOID: RFI  
12 05/02/24 12:10

Subject Name

Test 4 - RFI

Subject I.D.

Operator Name, I.D.

CoPendergrass 240081

Location

AS IV Serial no: 102472  
Version no: 532B

TEST RECORD 02022

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

Air Blank:  
05/02/24 12:12 .000  
Subject Test: Auto  
23 05/02/24 12:12 .000

Subject Name

Test 5 - Sober

Subject I.D.

Operator Name, I.D.

CoPendergrass 240081

Location





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:** 13-Mar-2023

**Lot #** AG306807 **Model** 108

Exp Date	Cyl. Type	Component	Certified Concentration
9-Mar-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:03.16.2023 13:02

Approved for Release:   
Rod Marsala

**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

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**PERMIT**  
**TYPE II**  
**COLTON PENDERGRASS**

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 4/2/2024

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 240081

*Paula F. Nickelson*

EXPIRES 4/2/2026

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 PENDERGRASS, COLTON  
 Permit No 240081  
 Date Issued 4/2/2024 Date Expires 4/2/2026

