



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

**RECEIVED**

By Tracy Crews at 8:01 am, Dec 02, 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 087972	NAME OF AGENCY St. Louis County Police Department	DATE OF INSPECTION 11/29/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 232 Vance Rd		TIME OF INSPECTION 6:28 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 Intoximeters LOT # AG332001 EXP. DATE 11/16/2025

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 • .101

TEST 2 • .101

TEST 3 • .100

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)	1
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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).

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
 SGT D ESTRADA, DSN 3072

TYPE & PERMIT NUMBER/EXPIRATION DATE  
 230059 04/02/2025

TELEPHONE NUMBER  
 (636) 529-8210

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: 087972  
Version no: 532B

TEST PROCD 00776

Temp Date Time 2100

Air Blanks  
11/29/24 18:28 .000  
Calibration Check:  
22 11/29/24 18:28 .101

Subject Name

Test #1

Subject I.D.

N/A

Operator Name, I.D.

Sgt Dawn Estrada #3072  
Location

232 Vance Rd  
(7th Pot)

AS IV Serial no: 087972  
Version no: 532B

TEST PROCD 00779

Temp Date Time 2100

Air Blanks  
11/29/24 18:35 .000  
Calibration Check:  
24 11/29/24 18:35 .100

Subject Name

Test #3

Subject I.D.

N/A

Operator Name, I.D. #3072

Sgt Dawn Estrada  
Location

232 Vance Rd  
(7th Pot)

AS IV Serial no: 087972  
Version no: 532B

TEST PROCD 00777

Temp Date Time 2100

Air Blanks  
11/29/24 18:30 .000  
Calibration Check:  
23 11/29/24 18:30 .101

Subject Name

Test #2

Subject I.D.

N/A

Operator Name, I.D.

Sgt Dawn Estrada #3072  
Location

232 Vance Rd  
(7th Pot)

AS IV Serial no: 087972  
Version no: 532B

TEST PROCD 00780

Temp Date Time 2100

VOID: REF  
12 11/29/24 18:37

Subject Name

REF!

Subject I.D.

N/A

Operator Name, I.D. #3072

Sgt Dawn Estrada  
Location

232 Vance Rd  
(7th Pot)



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  
 Analytical Instruments, Inc.  
 181 Craig Road  
 St. Louis, Mo 63146

Test Date: 16-Nov-2023

Lot # AG332001 Model 108

Exp Date	Cyl. Type	Component	Certified Concentration
16-Nov-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	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: 11.20.2023 17:28

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

DAWN M. ESTRADA

by authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs,  
erate the following breath analyzer(s):

ALCO-SENSOR IV WITH PRINTER, INTOX DMT

determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections  
0 through 577.041, RSMo and 306.111 through 306.119 RSMo.

4/2/2023

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

EF 230059

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

ES 4/2/2025

71 (6-10)

LAB-4 (98-10)