



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

**RECEIVED**  
 By Tracy Crews at 8:15 am, Oct 02, 2023

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 100288	NAME OF AGENCY St. Louis County Police Department	DATE OF INSPECTION 09/29/2023
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LOCATION OF INSTRUMENT (STREET AND CITY) 16860 Main St 6th Precinct	TIME OF INSPECTION 3:26 pm
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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**

- SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER Intoximeters LOT # AG0204801 EXP. DATE 02/17/2024
- 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
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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	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	0
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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 SGT. ESTRADA, DSN 3072
TYPE II PERMIT NUMBER/EXPIRATION DATE 210074 04/06/2023	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: 100288  
Version no: 532B

TEST RECORD 00769

Temp Date Time 210L

Air Blank:  
09/29/23 15:26 .000  
Calibration Check:  
22 09/29/23 15:26 .098

Subject Name

Test #1

Subject I.D.

NA

Operator Name, I.D.

Sgt D Estrada #3072

Location

16860 Main ST

(6th PCT)

AS IV Serial no: 100288  
Version no: 532B

TEST RECORD 00770

Temp Date Time 210L

Air Blank:  
09/29/23 15:28 .000  
Calibration Check:  
23 09/29/23 15:28 .098

Subject Name

Test #2

Subject I.D.

NA

Operator Name, I.D.

Sgt D Estrada #3072

Location

16860 Main ST

(6th PCT)

AS IV Serial no: 100288  
Version no: 532B

TEST RECORD 00771

Temp Date Time 210L

Air Blank:  
09/29/23 15:30 .000  
Calibration Check:  
24 09/29/23 15:30 .098

Subject Name

Test #3

Subject I.D.

NA

Operator Name, I.D.

Sgt D Estrada #3072

Location

16860 Main ST

(6th PCT)

AS IV Serial no: 100288  
Version no: 532B

TEST RECORD 00772

Temp Date Time 210L

Air Blank:  
09/29/23 15:32 .000

Subject Name

RFA!

Subject I.D.

NA

Operator Name, I.D.

Sgt D Estrada #3072

Location

16860 Main ST

(6th PCT)



**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:** 19-Feb-2022

**Lot #** AG204801 **Model** 108

<b>Exp Date</b>	<b>Cyl. Type</b>	<b>Component</b>	<b>Certified Concentration</b>
17-Feb-2024	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:02.22.2022 19:37

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



**PERMIT**  
**TYPE II**

**DAWN M. ESTRADA**

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 DMT**

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 806.111 through 806.119 RSMo.

DATE 4/2/2023

MBER# 230059

PIRES 4/2/2025

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Dawn M. Estrada*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES