



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

**RECEIVED**

REPORT #7

By Tracy Crews at 7:37 am, Mar 10, 2023

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

ALCO SENSOR IV SN 097429	NAME OF AGENCY Jefferson County Sheriff's Office	DATE OF INSPECTION 03/08/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 400 First Street, Hillsboro, MO 63050		TIME OF INSPECTION 6:56 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**

<input type="checkbox"/> SIMULATOR SOLUTION	<input checked="" type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>Intoximeters</u>	LOT # <u>AG109702</u> EXP. DATE <u>04/07/2023</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  .102	TEST 2  .104	TEST 3  .101
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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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Deputy Nicholas Gamm #549
TYPE II PERMIT NUMBER/EXPIRATION DATE 220153 / 06/01/2024	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: 097429  
Version no: 532B

TEST RECORD - REPRINT

TEST RECORD 00361

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

Air Blank:  
03/08/23 19:14 .000  
Calibration Check:  
22 03/08/23 19:14 .102

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 097429  
Version no: 532B

TEST RECORD 00362

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

Air Blank:  
03/08/23 19:20 .000  
Calibration Check:  
23 03/08/23 19:20 .104

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 097429  
Version no: 532B

TEST RECORD 00364

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

Air Blank:  
03/08/23 19:26 .000  
Calibration Check:  
25 03/08/23 19:26 .101

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 097429  
Version no: 532B

TEST RECORD 00363

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

VOID: RFI  
12 03/08/23 19:24

Subject Name

Subject I.D.

Operator Name, I.D.

Location



Airgas USA LLC  
 3900 Bernard Center  
 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: 3-Apr-2021

Lot # AG109702 Model 108ccad

Exp. Date	Cyl. Type	Component	Certified Concentration
7-Apr-2023	108	Ethanol Nitrogen	0.100 ± 2% B1AC (272 ppm) Balance

Certification Traceable to N.I.S.T. RGM and to CRM Ethanol Standards:

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	392.1 ppm	EB0010603	393.0 ppm
EB0010570	259.8 ppm	EB0010559	258.2 ppm
EB0010285	208.0 ppm	EB0010595	208.3 ppm
EB0010501	103.6 ppm	EB0010562	104.2 ppm
EB0010681	52.12 ppm	EB0010579	52.81 ppm

  

CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC727481	800.0 ppm	CC727493	396.0 ppm
CC727496	253.0 ppm	CC727498	150.0 ppm

Analytical Method: NDIR

Digitally signed by Quality Control  
 Date: 2021.04.06 10:24:39 -05:00  
 Reason: Dry gas standard certification of analysis  
 Location: Airgas USA LLC (Lab)

Approved for Release:

Rod Marsala

ISO 17025:2005 A2LA accredited. Certificate Number 3082.06  
 ISO 17034:2016 A2LA accredited. Certificate Number 3082.07