



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

**RECEIVED**  
 By Tracy Crews at 8:32 am, Jul 29, 2021

REPORT #7

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

ALCO SENSOR IV SN 111676	NAME OF AGENCY Jefferson County Sheriff's Office	DATE OF INSPECTION 07/28/2021
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LOCATION OF INSTRUMENT (STREET AND CITY) 510 First Street, Hillsboro, MO 63050	TIME OF INSPECTION 8:50 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**

<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  .099	TEST 2  .099	TEST 3  .099
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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 Deputy Nicholas Gamm #549
TYPE II PERMIT NUMBER/EXPIRATION DATE 200190 / 06/22/2022	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.

Temp Date Time 210L

Air Blank:  
07/28/21 19:13 .000  
Calibration Check:  
35 07/28/21 19:13 .099

Subject Name  
*August Maintenance*  
Subject I.D.

*Gamm*  
Operator Name, I.D.

*200190/06/22/22*  
Location

*Test #1*

AS IV Serial no: 111676  
Version no: 532B

TEST RECORD 00133

Temp Date Time 210L

Air Blank:  
07/28/21 21:02 .000  
Calibration Check:  
31 07/28/21 21:02 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Location  
*Test #2*

AS IV Serial no: 111676  
Version no: 532B

TEST RECORD 00134

Temp Date Time 210L

Air Blank:  
07/28/21 21:04 .000  
Calibration Check:  
31 07/28/21 21:04 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Location  
*Test #3*

AS IV Serial no: 111676  
Version no: 532B

TEST RECORD 00135

Temp Date Time 210L

VOID: RFI  
12 07/28/21 21:07

Subject Name

Subject I.D.

Operator Name, I.D.

Location

*RFI*



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:** 8-Apr-2021

**Lot #** AG109702 **Model** 108cacd

**Exp. Date**  
7-Apr-2023

**Cyl. Type**  
108

**Component**  
Ethanol  
Nitrogen

**Certified Concentration**  
0.100 ± 2% BrAC (272 ppm)  
Balance

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

<u>RGM Serial No.</u>	<u>Concentration</u>
EB0010581	392.1 ppm
EB0010570	259.8 ppm
EB0010285	208.0 ppm
EB0010561	103.6 ppm
EB0010681	52.12 ppm

<u>RGM Serial No.</u>	<u>Concentration</u>
EB0010603	393.0 ppm
EB0010559	258.2 ppm
EB0010595	208.3 ppm
EB0010562	104.2 ppm
EB0010579	52.81 ppm

<u>CRM Serial No.</u>	<u>Concentration</u>
CC727481	800.0 ppm
CC727496	253.0 ppm

<u>CRM Serial No.</u>	<u>Concentration</u>
CC727493	390.0 ppm
CC727498	150.0 ppm

**Analytical Method:** NDIR

Digitally signed by Quality Control  
Date: 2021.04.08 18:24:39 -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**