



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

**RECEIVED**

By Tracy Crews at 8:11 am, Mar 16, 2021

**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

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 087969	PRINTER SN 08C.3527.186	DATE OF INSPECTION 03/14/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 107 West Main Street, Smithville MO 64089		TIME OF INSPECTION 7:44 am

**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 # AG931703 EXP. DATE 11/13/2021

☐ SIMULATOR TEMPERATURE (34°C ± 0.2°C) \_\_\_\_\_ SIMULATOR SN \_\_\_\_\_ SIMULATOR 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 ➡ .100

TEST 2 ➡ .100

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-.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 Norma Lorenzo
TYPE II PERMIT NUMBER/EXPIRATION DATE 290133 06/21/2021	TELEPHONE NUMBER (816) 532-0500

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 01607

Temp Date Time 210L

Air Blank:

03/14/20 07:44 .000

Calibration Check:

19 03/14/20 07:44 .100

Subject Name

TEST

Subject I.D.

# 1

Operator Name, I.D.

N LORENZO 290133  
06/21/2021

Location

107 W MAIN ST

SMITHVILLE MO 64089

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 01608

Temp Date Time 210L

Air Blank:

03/14/20 07:46 .000

Calibration Check:

19 03/14/20 07:46 .100

Subject Name

TEST

Subject I.D.

# 2

Operator Name, I.D.

N LORENZO 290133  
06/21/2021

Location

107 W MAIN ST

SMITHVILLE MO 64089

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 01609

Temp Date Time 210L

Air Blank:

03/14/20 07:48 .000

Calibration Check:

20 03/14/20 07:48 .100

Subject Name

TEST

Subject I.D.

# 3

Operator Name, I.D.

N LORENZO 290133  
06/21/2021

Location

107 W MAIN ST

SMITHVILLE MO 64089

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 01610

Temp Date Time 210L

Void: RFI

12 03/14/20 07:50

Subject Name

TEST

Subject I.D.

RFI

Operator Name, I.D.

N LORENZO 290133  
06/21/2021

Location

107 W MAIN ST

SMITHVILLE MO 64089



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:** 14-Nov-2019

**Lot # AG931703 Model 108cacd**

**Exp. Date**  
13-Nov-2021

**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>
CC434668	800.0 ppm
CC234503	253.0 ppm

<u>CRM Serial No.</u>	<u>Concentration</u>
0056649	390.1 ppm
0056662	150.2 ppm

**Analytical Method:** NDIR

Digitally signed by Quality Control  
Date: 2019.11.18 13:46:50 -06:00  
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



STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM

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**PERMIT**  
**TYPE II**  
**NORMA LORENZO**

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 6/21/2019

NUMBER 290133

EXPIRES 6/21/2021

MO 580-0771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)