

**RECEIVED**

By Brianna Medrano at 1:15 pm, Jan 24, 2022

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY**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 104642	NAME OF AGENCY O'Fallon PD	DATE OF INSPECTION 01/21/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 1019 Bryan Road, O'Fallon, MO 63366		TIME OF INSPECTION 6:00 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 # AG115405 EXP. DATE 06/03/2023 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 .080

TEST 2 .079

TEST 3 .079

 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

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).

N/A

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME

Nathan Dye

TYPE II PERMIT NUMBER/EXPIRATION DATE

210157 / 08-04-2023

TELEPHONE NUMBER

(636) 240-3200

**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: 104642  
Version no: 532B

TEST RECORD 00922

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

Air Blank:  
01/21/22 18:37 .000  
Calibration Check:  
22 01/21/22 18:37 .080

Subject Name  
Test 1  
Subject I.D.

Operator Name, I.D.  
Dye 495  
Location

AS IV Serial no: 104642  
Version no: 532B

TEST RECORD 00923

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

Air Blank:  
01/21/22 18:40 .000  
Calibration Check:  
23 01/21/22 18:40 .079

Subject Name  
Test 2  
Subject I.D.

Operator Name, I.D.  
Dye 495  
Location

AS IV Serial no: 104642  
Version no: 532B

TEST RECORD 00924

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

Air Blank:  
01/21/22 18:42 .000  
Calibration Check:  
24 01/21/22 18:42 .079

Subject Name  
Test 3  
Subject I.D.

Operator Name, I.D.  
Dye 495  
Location

AS IV Serial no: 104642  
Version no: 532B

TEST RECORD 00926

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

VOID: RFI  
12 01/21/22 19:25

Subject Name  
RFI  
Subject I.D.

Operator Name, I.D.  
  
Location

AS IV Serial no: 104642  
Version no: 532B

TEST RECORD 00927

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

Air Blank:  
01/21/22 19:59 .000  
Subject Test: Auto  
23 01/21/22 19:59 .000

Subject Name  
  
Subject I.D.  
Sober Test

Operator Name, I.D.  
  
Location



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:** 7-Jun-2021

**Lot # AG115405 Model 108cacc**

<b><u>Exp. Date</u></b> 3-Jun-2023	<b><u>Cvl. Type</u></b> 108	<b><u>Component</u></b> Ethanol Nitrogen	<b><u>Certified Concentration</u></b> 0.080 ± 0.002 BrAC (218 ppm) Balance
---------------------------------------	--------------------------------	--	--

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

<b><u>RGM Serial No.</u></b>	<b><u>Concentration</u></b>	<b><u>RGM Serial No.</u></b>	<b><u>Concentration</u></b>
EB0010581	392.1 ppm	EB0010603	393.0 ppm
EB0010570	259.8 ppm	EB0010559	258.2 ppm
EB0010285	208.0 ppm	EB0010595	208.3 ppm
EB0010561	103.6 ppm	EB0010562	104.2 ppm
EB0010681	52.12 ppm	EB0010579	52.81 ppm
<b><u>CRM Serial No.</u></b>	<b><u>Concentration</u></b>	<b><u>CRM Serial No.</u></b>	<b><u>Concentration</u></b>
CC434668	800.0 ppm	0056649	390.1 ppm
CC234503	253.0 ppm	0056662	150.2 ppm

**Analytical Method:** NDIR

Digitally signed by Quality Control  
 Date: 2021.06.08 13:46:01 -05:00  
 Reason: Dry gas standard certification of analysis  
 Location: Airgas USA LLC (Lab)

**Approved for Release:**                     *Rod Marsala*                      
 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**  
**NATHAN DYE**

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 8/4/2021

NUMBER 210157

EXPIRES 8/4/2023

*Laura Q. Way*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Robt. Kuehl*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)

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

**INSTRUMENT OPERATOR CARD**

*The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.*

Operator DYE, NATHAN  
Permit No 210157  
Date Issued 8/4/2021 Date Expires 8/4/2023

