



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 097403/099.3586.830	NAME OF AGENCY Shrewsbury PD	DATE OF INSPECTION 04/19/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 4400 Shrewsbury Avenue		TIME OF INSPECTION 11:58 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 # AG012705 EXP. DATE 05/06/2022

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 ◀ .080

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) 0	(.10-.14) 1	(.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).

N/A

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME

Cpl. Richard Erwin

TYPE II PERMIT NUMBER/EXPIRATION DATE

210007/01-25-2023

TELEPHONE NUMBER

(314) 647-5656

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

AS IU Serial no: 097403  
Version no: 532B

TEST RECORD 00458

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

VOID: PFI  
12 04/19/21 11:58

Subject Name  
Joe Blow

Subject I.D.  
237

Operator Name, I.D.  
Erwin 167

Location  
4400 Shrewsbury

AS IU Serial no: 097403  
Version no: 532B

TEST RECORD 00459

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

Air Blank:  
04/19/21 12:00 .000  
Calibration Check:  
21 04/19/21 12:00 .080

Subject Name  
Joe Poe

Subject I.D.  
123

Operator Name, I.D.  
Erwin 167

Location  
4400 Shrewsbury

AS IU Serial no: 097403  
Version no: 532B

TEST RECORD 00460

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

Air Blank:  
04/19/21 12:02 .000  
Calibration Check:  
22 04/19/21 12:02 .079

Subject Name  
Joe Poe

Subject I.D.  
123

Operator Name, I.D.  
Erwin 167

Location  
4400 Shrewsbury

AS IU Serial no: 097403  
Version no: 532B

TEST RECORD 00461

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

Air Blank:  
04/19/21 12:03 .000  
Calibration Check:  
22 04/19/21 12:03 .080

Subject Name  
Joe Blow

Subject I.D.  
237

Operator Name, I.D.  
Erwin 167

Location  
4400 Shrewsbury

# Airgas.

Airgas USA LLC (LAB)  
3800 Bernard Street  
St. Louis, Mo. 63103  
Ph: (314) 633-3180  
Fax: (314) 633-7228

## Certificate of Analysis

**Customer Name**  
Exclusive Supplier  
Introducers, Inc.  
2081 Craig Road  
St. Louis, Mo 63146

**Test Date:** 6-May-2020

**Lot #** AG012705 **Model** 55caod

**Exp. Date**  
6-May-2022

**Std. Type**  
55

**Component**  
Ethanol  
Nitrogen

**Certified Concentration**  
0.080 ± 0.002 BrAC (218 ppm)  
Balance

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

<b>CRM Serial No.</b>	<b>Concentration</b>
EM0010001	382.1 ppm
EM0010070	288.5 ppm
EM0010005	204.8 ppm
EM0010001	183.0 ppm
EM0010001	62.12 ppm

<b>CRM Serial No.</b>	<b>Concentration</b>
EM0010003	303.0 ppm
EM0010030	258.3 ppm
EM0010005	204.3 ppm
EM0010002	164.3 ppm
EM0010070	62.01 ppm

<b>CRM Serial No.</b>	<b>Concentration</b>
CC434000	300.0 ppm
CC234000	253.0 ppm

<b>CRM Serial No.</b>	<b>Concentration</b>
6000040	300.1 ppm
6000062	160.2 ppm

**Analytical Method:** NDIR

District Office by Quality Control  
Date: May 20 2020 12:43:07 -0500  
Please: For the correct completion of analysis  
Location: Airgas USA LLC (LAB)

Approved for Release:

  
Rod Marzala

ISO 17025:2005 A2LA accredited. Certificate Number 3082.06  
ISO 17034:2018 A2LA accredited. Certificate Number 3082.07



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



**PERMIT**  
**TYPE II**  
**RICHARD A. ERWIN**

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**

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 1/25/2021

NUMBER 210007

EXPIRES 1/25/2023

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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 ERWIN, RICHARD  
Permit No 210007  
Date issued 1/25/2021 Date Expires 1/25/2023