



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

RECEIVED
By Tracy Crews at 8:36 am, Sep 27, 2024

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 087959	PRINTER SN 210639922	DATE OF INSPECTION 09/27/2024
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LOCATION OF INSTRUMENT (STREET AND CITY) SCCPD / 101 Sheriff Dierker Court, O'Fallon, Missouri 63366	TIME OF INSPECTION 3:10 am
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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>AG407801</u> EXP. DATE <u>03/18/2026</u>
<input type="checkbox"/> 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 ➡ .102	TEST 2 ➡ .102	TEST 3 ➡ .102
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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 PO <i>Kavanaugh</i> 1161	PRINT NAME M. Kavanaugh
TYPE II PERMIT NUMBER/EXPIRATION DATE 230017 exp: 01/31/2025	TELEPHONE NUMBER (636) 949-3000

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: 087959
Version no: 532B

TEST RECORD 00552
Temp Date Time g/
Air Blank: 09/27/24 03:12 .000
Calibration Check: 25 09/27/24 03:12 102

Subject Name
Test 1
Subject I.D.
Maint. Rep
Operator Name, I.D.
PO Kavanagh
Location
St. Charles County
PD

AS IV Serial no: 087959
Version no: 532B

TEST RECORD 00553
Temp Date Time g/
Air Blank: 09/27/24 03:14 .000
Calibration Check: 25 09/27/24 03:14 102

Subject Name
Test 2
Subject I.D.
Maint. Check
Operator Name, I.D.
PO Kavanagh
Location
St. Charles County
PD

AS IV Serial no: 087959
Version no: 532B

TEST RECORD 00554
Temp Date Time g/
Air Blank: 09/27/24 03:16 .000
Calibration Check: 26 09/27/24 03:16 102

Subject Name
Test 3
Subject I.D.
Maint. Check
Operator Name, I.D.
PO Kavanagh
Location
St. Charles County
PD

AS IV Serial no: 087959
Version no: 532B

TEST RECORD 00555
Temp Date Time g/
VOID: RFI
12 09/27/24 03:18

Subject Name
Test 4 RFI
Subject I.D.
Maint. Check
Operator Name, I.D.
PO Kavanagh
Location
St. Charles County
PD



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: 19-Mar-2024

Lot # AG407801 Model 108

Exp Date 18-Mar-2026	Cyl. Type 108	Component Ethanol Nitrogen	Certified Concentration 0.100 ± 2% BrAC (272 ppm)
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Certification Traceable to N.I.S.T. RGM and to CRM Ethanol Standards:

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010562	104.2 ppm
EB0010561	103.7 ppm	EB0010579	52.94 ppm
EB0010681	52.22 ppm		

CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC727481	799.4 ppm	CC727493	389.8 ppm
CC727496	253.4 ppm	CC727498	150.2 ppm

Analytical Method: NDIR

Digitally signed by:Quality Control
 Reason:Dry gas standard certification of analysis
 Location:Airgas USA LLC (Lab)
 Date:03.22.2024 07:50

Approved for Release: _____

Yusef Woods

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
MICHAEL KAVANAUGH

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 1/31/2023

NUMBER 230017

EXPIRES 1/31/2025

Mike Mason

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

David J. Nielsen

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-18)

LAB-4 (16-10)

 **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 **KAVANAUGH, MICHAEL**
Permit No **230017**
Date issued **1/31/2023** Date Expires **1/31/2025**

