



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

RECEIVED
 03/31/2024 11:15 AM
 APR 1 2024 10:00 AM

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 111629	NAME OF AGENCY University of Missouri	DATE OF INSPECTION 03/31/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 901 Virginia Avenue		TIME OF INSPECTION 4:17 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 # AG331701 EXP. DATE 11/13/2025

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 .082	TEST 2 .082	TEST 3 .081
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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 ▶	PRINT NAME Kyle Townley
TYPE II PERMIT NUMBER/EXPIRATION DATE 230234 10/24/2025	TELEPHONE NUMBER (573) 882-7202

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: 111629
Version no: 532B

TEST RECORD 01624

Temp Date Time 21⁹/_L

Air Blank:
03/31/24 04:17 .000
Calibration Check:
23 03/31/24 04:17 .082

Subject Name
Monthly Maintenance
Subject I.D.
test 1
Operator Name, I.D.
Townley 230234
Location
901 Virginia Ave

AS IV Serial no: 111629
Version no: 532B

TEST RECORD 01625

Temp Date Time 21⁹/_L

Air Blank:
03/31/24 04:19 .000
Calibration Check:
23 03/31/24 04:19 .082

Subject Name
Monthly Maintenance
Subject I.D.
test 2
Operator Name, I.D.
Townley 230234
Location
901 Virginia Ave

AS IV Serial no: 111629
Version no: 532B

TEST RECORD 01626

Temp Date Time 21⁹/_L

Air Blank:
03/31/24 04:20 .000
Calibration Check:
24 03/31/24 04:20 .081

Subject Name
Monthly Maintenance
Subject I.D.
Test 3
Operator Name, I.D.
Townley 230234
Location
901 Virginia Ave

AS IV Serial no: 111629
Version no: 532B

TEST RECORD 01627

Temp Date Time 21⁹/_L

VOID: RFI
12 03/31/24 04:21

Subject Name
Monthly Maintenance
Subject I.D.
RFI test
Operator Name, I.D.
Townley 230234
Location
901 Virginia Ave



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-2023

Lot # AG331701 **Model** 108

Exp Date 13-Nov-2025	Cyl. Type 108	Component Ethanol Nitrogen	Certified Concentration 0.082 ± 0.002 BrAC (223 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:11.16.2023 17:21

Approved for Release: _____

Yusef Woods

ISO 17025:2017 A2LA accredited. Certificate Number 3082.06
ISO 17034:2016 A2LA accredited. Certificate Number 3082.07