



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

REPORT #

RECEIVED

By Tracy Crews at 10:10 am, Apr 19, 2024

Complete this report in duplicate at the time of the regular monthly preventative maintenance check. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 111676	NAME OF AGENCY Jefferson County Sheriff's Office	DATE OF INSPECTION 04/18/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 400 First Street Hillsboro, MO 63050		TIME OF INSPECTION 2220

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 Intoximeter LOT # AG305902 EXP. DATE 02/25/2028

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 ➔ .098	TEST 2 ➔ .098	TEST 3 ➔ .097
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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 Zachary Reed #810
TYPE II PERMIT NUMBER/EXPIRATION DATE 230236 10/31/2025	TELEPHONE NUMBER (636)797-5000

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: 111676
Version no: 5325

TEST RECORD 00452

Temp Date Time 9/
210L

Air Blank:
04/18/24 22:20 000
Calibration Check:
22 04/18/24 22:20 098

Subject Name
Test 1
Subject I.D.

Operator Name, I.D.
ZReal 230236
Location

AS IV Serial no: 111676
Version no: 532B

TEST RECORD 00453

Temp Date Time 9/
210L

Air Blank:
04/18/24 22:21 000
Calibration Check:
23 04/18/24 22:21 098

Subject Name
Test 2
Subject I.D.

Operator Name, I.D.
ZReal 230236
Location

AS IV Serial no: 111676
Version no: 532B

TEST RECORD 00454

Temp Date Time 9/
210L

Air Blank:
04/18/24 22:23 000
Calibration Check:
23 04/18/24 22:23 097

Subject Name
Test 3
Subject I.D.

Operator Name, I.D.
ZReal 230236
Location

AS IV Serial no: 111676
Version no: 532B

TEST RECORD 00455

Temp Date Time 9/
210L

VOID: RFI
12 04/18/24 22:24

Subject Name
Test 4 RFI
Subject I.D.

Operator Name, I.D.
ZReal 230236
Location



Airgas USA LLC (LAB)
 3500 Bernard Street
 St. Louis, Mo. 63103
 Ph: (314) 533-3100
 Fax: (314) 533-7328

Certificate of Analysis

Test Date: 28-Feb-2023

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

Lot # AG305902 Model 108

Exp Date	Cyl. Type	Component	Certified Concentration
28-Feb-2025	108	Ethanol Nitrogen	0.100 ± 2% BrAC (272 ppm)


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	800.0 ppm	CC727493	390.0 ppm
CC727496	253.0 ppm	CC727498	150.0 ppm

Analytical Method: NDIR

Digitally signed by: Quality Control
 Reason: Dry gas standard certification of analysis
 Location: Airgas USA LLC (Lab)
 Date: 03/01/2023 17:25

Approved for Release: 
 Rod Marsala

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