



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED

By Tracy Crews at 7:26 am, Nov 03, 2023

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 111759	NAME OF AGENCY CLAY COUNTY SHERIFF'S OFFICE	DATE OF INSPECTION 11/02/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 12 S. WATER STREET, LIBERTY, MO 64068		TIME OF INSPECTION 7:35 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 # AG102503 EXP. DATE 01/25/2023

☐ 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 .098

TEST 2 .098

TEST 3 .098

☒ 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)	1	(.15-.19)	0	(OVER .19)	0
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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).

ADJUST CLOCK TO MATCH TIME OF DAY

INSPECTING OFFICER

SIGNATURE

▶

PRINT NAME

JAMES BUSH

TYPE II PERMIT NUMBER/EXPIRATION DATE

210324 - 12/21/2023

TELEPHONE NUMBER

(816) 407-3702

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: 111759
Version no: 532B

TEST RECORD 00348

Temp Date Time 210L

Air Blank:
11/02/23 19:22 .000
Calibration Check:
28 11/02/23 19:22 .098

Subject Name

Monthly Maintenance

Subject I.D.

Test 1

Operator Name, I.D.

S. Bush #8199

Location

12 S. Water St.,

Liberty, MO

AS IV Serial no: 111759
Version no: 532B

TEST RECORD 00349

Temp Date Time 210L

Air Blank:
11/02/23 19:32 .000
Calibration Check:
28 11/02/23 19:32 .098

Subject Name

Monthly Maintenance

Subject I.D.

Test 2

Operator Name, I.D.

S. Bush #8199

Location

12 S. Water St.,

Liberty, MO

AS IV Serial no: 111759
Version no: 532B

TEST RECORD 00350

Temp Date Time 210L

Air Blank:
11/02/23 19:34 .000
Calibration Check:
28 11/02/23 19:34 .098

Subject Name

Monthly Maintenance

Subject I.D.

Test 3

Operator Name, I.D.

S. Bush #8199

Location

12 S. Water St.,

Liberty, MO

AS IV Serial no: 111759
Version no: 532B

TEST RECORD 00351

Temp Date Time 210L

UOIN: RFI
12 11/02/23 19:35

Subject Name

Monthly Maintenance

Subject I.D.

RFI Test

Operator Name, I.D.

S. Bush #8199

Location

12 S. Water St.,

Liberty, MO



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: 4-Aug-2022

Lot # AG221502 Model 108

Exp Date	Cyl. Type	Component	Certified Concentration
3-Aug-2024	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: 08.04.2022 15:01

Approved for Release: _____

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
JAMES S. BUSH

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 12/21/2021

NUMBER 210324

EXPIRES 12/21/2023

Laura E. Day

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Donald A. Ramsey

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES