



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 111734	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 06/20/2024
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LOCATION OF INSTRUMENT (STREET AND CITY) 102-B South Holden Street, Warrensburg MO. 64093	TIME OF INSPECTION 1:14 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 checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>GUTH</u>	LOT # <u>23180</u> EXP. DATE <u>05/17/2025</u>
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.01</u>	SIM. SN <u>MP2506</u> SIM. NIST EXP DATE <u>11/27/2024</u>

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 <u>.102</u>	TEST 2 <u>.100</u>	TEST 3 <u>.102</u>
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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).

Replaced 9v battery

INSPECTING OFFICER

SIGNATURE 	PRINT NAME Samuel Lee Edwards
TYPE II PERMIT NUMBER/EXPIRATION DATE 220220 / 09-09-2024	TELEPHONE NUMBER (816) 622-0800

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: 111734
Version no: 532B

TEST RECORD 00264

Temp Date Time ^{s/} 210L

Air Blank:
06/20/24 01:14 .000
Calibration Check:
22 06/20/24 01:14 .102

Subject Name

Test #1

Subject I.D.

Operator Name, I.D.

Sam Edwards #580
Location 220220

102 B S. Holden St.

Warrensburg MO. 64093

AS IV Serial no: 111734
Version no: 532B

TEST RECORD 00265

Temp Date Time ^{s/} 210L

Air Blank:
06/20/24 01:18 .000
Calibration Check:
23 06/20/24 01:18 .100

Subject Name

Test #2

Subject I.D.

Operator Name, I.D.

Sam Edwards #580
Location 220220

102 B S. Holden St.

Warrensburg MO. 64093

AS IV Serial no: 111734
Version no: 532B

TEST RECORD 00266

Temp Date Time ^{s/} 210L

Air Blank:
06/20/24 01:20 .000
Calibration Check:
24 06/20/24 01:20 .102

Subject Name

Test #3

Subject I.D.

Operator Name, I.D.

Sam Edwards #580
Location 220220

102 B S. Holden St.

Warrensburg MO. 64093

AS IV Serial no: 111734
Version no: 532B

TEST RECORD 00267

Temp Date Time ^{s/} 210L

UOIM: RFI
*12 06/20/24 01:23

Subject Name

Test RFI

Subject I.D.

Operator Name, I.D.

Sam Edwards #580
Location 220220

102 B S. Holden St.

Warrensburg MO 64093



GUTH LABORATORIES, INC.

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **23180** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **May 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1220%** (w/vol) ethyl alcohol. The expiration date for this lot number is **May 17, 2025** at 11:59 PM.

When used in a calibrated Simulator, operating at $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$, this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L** \pm 3%.

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President
GUTH LABORATORIES, INC.

NIST Traceability:

Testing was conducted using Cerilliant Reference Standard lot number FN11172002 whose values are traceable to NIST.

All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.



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: 1-Aug-2023

Lot # AG320502 **Model** 108

Exp Date	Cyl. Type	Component	Certified Concentration
24-Jul-2025	108	Ethanol Nitrogen	0.100 ± 2% BrAC (260 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:08.10.2023 09:48

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
SAMUEL EDWARDS

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 DMT

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 9/9/2022

NUMBER 220220

EXPIRES 9/9/2024

Laura Q. Day

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Donald A. Ramsey

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES



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 EDWARDS, SAMUEL
Permit No 220220
Date Issued 9/9/2022 **Date Expires** 9/9/2024

