



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

RECEIVED
 BY: Tracy Drenth on 04/20/2024, 4:28 PM

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 099365	PRINTER SN 097.9584.946	DATE OF INSPECTION 04/20/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 147 South Main Street, Laurie MO		TIME OF INSPECTION 1:05 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 GUTH LOT # 23180 EXP. DATE 05/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 C SIMULATOR SN DR 6929 SIMULATOR EXP DATE 09/19/2024

- 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 .101	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 	PRINT NAME Steven McQueen
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TYPE II PERMIT NUMBER/EXPIRATION DATE 240058 02/28/2026	TELEPHONE NUMBER (573) 374-4871
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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: 099365
Version no: 532B

TEST RECORD 01369

Temp	Date	Time	g/ 210L

Air Blank:			
	04/20/24	13:07	.000
Calibration Check:			
22	04/20/24	13:07	.102

Air Blank:
04/20/24 13:07 .000
Calibration Check:
22 04/20/24 13:07 .102

Subject Name

Accuracy check #1
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 099365
Version no: 532B

TEST RECORD 01370

Temp	Date	Time	g/ 210L

Air Blank:			
	04/20/24	13:09	.000
Calibration Check:			
23	04/20/24	13:09	.101

Air Blank:
04/20/24 13:09 .000
Calibration Check:
23 04/20/24 13:09 .101

Subject Name

Accuracy check #2
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 099365
Version no: 532B

TEST RECORD 01371

Temp	Date	Time	g/ 210L

Air Blank:			
	04/20/24	13:11	.000
Calibration Check:			
23	04/20/24	13:11	.102

Air Blank:
04/20/24 13:11 .000
Calibration Check:
23 04/20/24 13:11 .102

Subject Name

Accuracy check #3
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 099365
Version no: 532B

TEST RECORD 01372

Temp	Date	Time	g/ 210L

VOID: RFI			
12	04/20/24	13:12	

VOID: RFI
12 04/20/24 13:12

Subject Name

RFI check
Subject I.D.

Operator Name, I.D.

Location



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.



STATE OF MISSOURI
 DEPARTMENT OF HEALTH AND SENIOR SERVICES
 BREATH ALCOHOL PROGRAM



PERMIT
TYPE II
STEVEN McQUEEN

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 2/28/2024

NUMBER 240058

EXPIRES 2/28/2026

Mike Mason

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

David J. Nielson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)

 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 **McQUEEN, STEVEN**
 Permit No **240058**
 Date Issued **2/28/2024** Date Expires **2/28/2026**

