



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 099365	PRINTER SN 097.9584.946	DATE OF INSPECTION 10/24/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 147 South Main Street, Laurie MO		TIME OF INSPECTION 8:37 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 # 22080 EXP. DATE 03/07/2024

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 C SIMULATOR SN DR 6929 SIMULATOR EXP DATE 09/07/2023

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 <input checked="" type="checkbox"/> .097	TEST 2 <input checked="" type="checkbox"/> .097	TEST 3 <input checked="" type="checkbox"/> .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)	1	(OVER .19)	1
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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 <i>Steven McQueen</i>	PRINT NAME Steven McQueen
TYPE IF PERMIT NUMBER/EXPIRATION DATE 200053 02/16/2024	TELEPHONE NUMBER (573) 374-4871

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 01221

Temp	Date	Time	s/ 210L
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Air Blank:
10/24/22 20:37 .000
Calibration Check:
20 10/24/22 20:37 .097

Subject Name

Accuracy check 1
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 099365
Version no: 532B

TEST RECORD 01224

Temp	Date	Time	s/ 210L
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VOID: RFI
12 10/24/22 20:42

Subject Name

RFI checks
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 099365
Version no: 532B

TEST RECORD 01222

Temp	Date	Time	s/ 210L
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Air Blank:
10/24/22 20:39 .000
Calibration Check:
20 10/24/22 20:39 .097

Subject Name

Accuracy check 2
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 099365
Version no: 532B

TEST RECORD 01223

Temp	Date	Time	s/ 210L
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Air Blank:
10/24/22 20:40 .000
Calibration Check:
21 10/24/22 20:40 .097

Subject Name

Accuracy check 3
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 **22080** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 9, 2022**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1214%** (w/vol) ethyl alcohol. The expiration date for this lot number is **March 7, 2024** 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 FN03052002 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.



Missouri Department of Health and Senior Services
 P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
 RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466



Paula Nickelson
 Acting Director

Michael L. Parson
 Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: DR6929 Manufacturer: Guth
 Model Number: 2100
 Agency: LAURIE PD
 Agency Address: 147 S. MAIN ST. STE. B, LAURIE, MO 65037

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 Bias: 0.01
 Uncertainty: 0.02
 Date of Certification: 11/10/2021 Date of Expiration: 11/10/2022

ENVIRONMENTAL CONDITIONS

The environmental conditions during testing are within the tolerances of DHSS BAP method 3.

VERIFICATION RESULTS

<u>Simulator Average</u>	<u>NIST Average</u>	<u>Combined Uncertainty</u>
34.00	34.00	.03

The combined uncertainty is calculated with a k=2 value.

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 9/7/2022
 Certification Expiration: 9/7/2023
 Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
 Certification No: DR6929_972022

X

DHSS BAP Scientist Approving



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

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**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 2/19/2022

NUMBER 220058

EXPIRES 2/19/2024

Laura P. Day

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Steven McQueen

acting director
 DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 680-0771 (8-10)

LAB-4 (F8-10)

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: **220058**
 Date issued **2/19/2022** Date Expires **2/19/2024**

