



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 105448 / Printer 09B.3591.016	NAME OF AGENCY Clinton P.D.	DATE OF INSPECTION 09/09/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 101 East Ohio Street, Clinton, MO 64735		TIME OF INSPECTION 2:22 p.m.

**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 Laboratories, Inc.</u> LOT # <u>21380</u> EXP. DATE <u>9/13/2023</u>	
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.0</u> SIM. SN <u>SD3509</u> SIM. NIST EXP DATE <u>07/19/2023</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>.097</u>	TEST 2 ← <u>.096</u>	TEST 3 ← <u>.095</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	<u>1</u>	(0-.04)	<u>0</u>	(.05-.09)	<u>0</u>	(.10-.14)	<u>0</u>	(.15-.19)	<u>0</u>	(OVER .19)	<u>0</u>
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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).

*N/A*

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<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME <b>Michael Nelson</b>
TYPE II PERMIT NUMBER/EXPIRATION DATE <b>220186 / 07-22-2024</b>	TELEPHONE NUMBER ( 660 ) 885-2679

**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: 185448  
Version no: 532B

TEST RECORD 01646

Temp Date Time 210L

Air Blank:  
09/09/22 14:22 .000  
Calibration Check:  
22 09/09/22 14:22 .097

Subject Name

TEST #1

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.

101 E. Ohio

Clinton, MO 64735

AS IV Serial no: 185448  
Version no: 532B

TEST RECORD 01646

Temp Date Time 210L

Air Blank:  
09/09/22 14:23 .000  
Calibration Check:  
23 09/09/22 14:23 .096

Subject Name

TEST #2

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.

101 E. Ohio

Clinton, MO 64735

AS IV Serial no: 185448  
Version no: 532B

TEST RECORD 01647

Temp Date Time 210L

Air Blank:  
09/09/22 14:25 .000  
Calibration Check:  
24 09/09/22 14:25 .095

Subject Name

TEST #3

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.

101 E. Ohio

Clinton, MO 64735

AS IV Serial no: 185448  
Version no: 532B

TEST RECORD 01648

Temp Date Time 210L

VOID: RFI  
12 09/09/22 14:26

Subject Name

RFI

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.

101 E. Ohio

Clinton, MO 64735

AS IV Serial no: 185448  
Version no: 532B

TEST RECORD 01649

Temp Date Time 210L

Air Blank:  
09/09/22 14:27 .000  
Subject Test: Auto  
25 09/09/22 14:27 .000

Subject Name

SELF TEST

Subject I.D.

1 N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.

101 E. Ohio

Clinton, MO 64735



**GUTH LABORATORIES, INC.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-564-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 21380 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 15, 2021, 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 September 13, 2023 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 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.*



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

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**PERMIT**  
**TYPE II**  
**MICHAEL S. NELSON**

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 7/22/2022

NUMBER 220186

EXPIRES 7/22/2024

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Paula 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 **NELSON, MICHAEL**  
 Permit No **220186**  
 Date Issued **7/22/2022** Date Expires **7/22/2024**

