



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 4/9/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 101 East Ohio Street, Clinton, MO 64735		TIME OF INSPECTION 09:19 a.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

- SIMULATOR SOLUTION COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER Guth Laboratories, Inc. LOT # 23390 EXP. DATE 10/17/2025
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD3509 SIM. NIST EXP DATE 08/08/2024

- 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 ← .100	TEST 2 ← .099	TEST 3 ← .098
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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	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.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).

- changed battery

INSPECTING OFFICER	
SIGNATURE 	PRINT NAME Michael Nelson
TYPE II PERMIT NUMBER/EXPIRATION DATE 220186 / 07-22-2024	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: 105448
Version no: 532B

TEST RECORD 01872

Temp	Date	Time	s/ 210L
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Air Blank:
04/09/24 09:19 .000
Calibration Check:
21 04/09/24 09:19 .100

Subject Name

TEST #1

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.
101 E. Ohio St.
Clinton, MO 64735

AS IV Serial no: 105448
Version no: 532B

TEST RECORD 01873

Temp	Date	Time	s/ 210L
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Air Blank:
04/09/24 09:21 .000
Calibration Check:
22 04/09/24 09:21 .099

Subject Name

TEST #2

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.
101 E. Ohio St.
Clinton, MO 64735

AS IV Serial no: 105448
Version no: 532B

TEST RECORD 01874

Temp	Date	Time	s/ 210L
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Air Blank:
04/09/24 09:24 .000
Calibration Check:
23 04/09/24 09:24 .098

Subject Name

TEST #3

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.
101 E. Ohio St.
Clinton, MO 64735

AS IV Serial no: 105448
Version no: 532B

TEST RECORD 01875

Temp	Date	Time	s/ 210L
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VOID: RFI
12 04/09/24 09:25

Subject Name

RFI

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.
101 E. Ohio St.
Clinton, MO 64735

AS IV Serial no: 105448
Version no: 532B

TEST RECORD 01876

Temp	Date	Time	s/ 210L
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Air Blank:
04/09/24 09:28 .000
Subject Test: Auto
24 04/09/24 09:28 .000

Subject Name

SELF TEST

Subject I.D.

N/A

Operator Name, I.D.

M. Nelson #220186

Location

Clinton P.D.
101 E. Ohio St.
Clinton, MO 64735



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 **23390** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **October 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1207%** (w/vol) ethyl alcohol. The expiration date for this lot number is **October 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 FN03072301 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**

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 Magnum

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Paula I. Nicholson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)

MO 680-0771 (6-10)

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**

