



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 10541	NAME OF AGENCY BRECKENRIDGE HILLS POLICE DEPT	DATE OF INSPECTION 01/14/2025
LOCATION OF INSTRUMENT (STREET AND CITY) 9623 MO-180		TIME OF INSPECTION 01:54

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 LABS LOT # 24310 EXP. DATE 08/27/2026

SIMULATOR TEMPERATURE (34°C ± 0.2°C) _____ SIM. SN _____ SIM. NIST EXP DATE _____

- 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 ➡ .099	TEST 2 ➡ .103	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 309	PRINT NAME NATHAN MULLINS
TYPE II PERMIT NUMBER/EXPIRATION DATE 240195 02/29/2026	TELEPHONE NUMBER (314) 426-1214

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: 105451
Version no: 532B

TEST RECORD 01815

Temp Date Time ^{g/} 210L

Air Blank:

01/14/25 01:54 .000

Calibration Check:

23 01/14/25 01:54 .099

Subject Name

TEST 1

Subject I.D.

N/A

Operator Name, I.D.

MULLINS 309

Location

9623 MO-180

ST LOUIS, MO 63114

AS IV Serial no: 105451
Version no: 532B

TEST RECORD 01816

Temp Date Time ^{g/} 210L

Air Blank:

01/14/25 01:56 .000

Calibration Check:

23 01/14/25 01:56 .103

Subject Name

TEST 2

Subject I.D.

N/A

Operator Name, I.D.

MULLINS 309

Location

9623 MO-180

ST LOUIS, MO 63114

AS IV Serial no: 105451
Version no: 532B

TEST RECORD 01817

Temp Date Time ^{g/} 210L

Air Blank:

01/14/25 01:58 .000

Calibration Check:

24 01/14/25 01:58 .102

Subject Name

TEST 3

Subject I.D.

N/A

Operator Name, I.D.

MULLINS 309

Location

9623 MO-180

ST LOUIS, MO 63114

AS IV Serial no: 105451
Version no: 532B

TEST RECORD 01819

Temp Date Time ^{g/} 210L

VOID: RFI

12 01/14/25 02:00

Subject Name

RFI TEST

Subject I.D.

N/A

Operator Name, I.D.

MULLINS 309

Location

9623 MO-180

ST LOUIS, MO 63114



GUTH LABORATORIES, INC.

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-664-5470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 24310 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on August 28, 2024, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1209% (w/vol) ethyl alcohol. The expiration date for this lot number is August 27, 2026 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 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**

NATHAN MULLINS

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 8/29/2024

NUMBER 240195

EXPIRES 8/29/2026

Mike Mason

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

David J. Nicholson

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 MULLINS, NATHAN
 Permit No 240195
 Date Issued 8/29/2024 Date Expires 8/29/2026

