



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

RECEIVED
 By Tracy Crews at 8:45 am, Jan 30, 2025

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 <u>105444</u>	PRINTER SN <u>096.3580865</u>	DATE OF INSPECTION <u>01/25/2025</u>
LOCATION OF INSTRUMENT (STREET AND CITY) <u>210 S. Clarke Ave, Clever, MO 65631 (Clever P.D.)</u>		TIME OF INSPECTION <u>1234</u>

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 LAB LOT # 24310 EXP. DATE 8/27/26

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34°C SIMULATOR SN SD2259 SIMULATOR EXP DATE 12/19/2025

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 • .100 TEST 3 • .101

- 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

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

INSPECTING OFFICER

SIGNATURE <u>[Signature]</u>	PRINT NAME <u>LOREN NYSTROM</u>
TYPE II PERMIT NUMBER/EXPIRATION DATE <u>230287</u> <u>12/6/2025</u>	TELEPHONE NUMBER <u>417-743-5109</u>

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: 105444
Version no: 532B

TEST RECORD 00957

Temp Date Time 210L

Air Blank:
01/25/25 12:39 .000
Calibration Check:
25 01/25/25 12:39 .100

Subject Name

Test

Subject I.D.

1

Operator Name, I.D.

L. Nystrom #1001

Location

Clever P.D. Patrol Rm.

AS IV Serial no: 105444
Version no: 532B

TEST RECORD 00958

Temp Date Time 210L

Air Blank:
01/25/25 12:42 .000
Calibration Check:
25 01/25/25 12:42 .100

Subject Name

Test

Subject I.D.

2

Operator Name, I.D.

L. Nystrom #1001

Location

Clever P.D. Patrol Rm.

AS IV Serial no: 105444
Version no: 532B

TEST RECORD 00959

Temp Date Time 210L

Air Blank:
01/25/25 12:44 .000
Calibration Check:
25 01/25/25 12:44 .101

Subject Name

Test

Subject I.D.

3

Operator Name, I.D.

L. Nystrom #1001

Location

Clever P.D. Patrol Rm.

AS IV Serial no: 105444
Version no: 532B

TEST RECORD 00960

Temp Date Time 210L

VOID: RFI
12 01/25/25 12:47

Subject Name

Test

Subject I.D.

RFI

Operator Name, I.D.

L. Nystrom #1001

Location

Clever P.D. Patrol Rm.

AS IV Serial no: 105444
Version no: 532B

TEST RECORD 00961

Temp Date Time 210L

Air Blank:
01/25/25 12:49 .000
Calibration Check:
25 01/25/25 12:49 .000

Subject Name

Test

Subject I.D.

Blank

Operator Name, I.D.

L. Nystrom #1001

Location

Clever P.D. Patrol Rm.



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 **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 $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$, 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
LOREN NYSTROM

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 12/6/2023

NUMBER 230287

EXPIRES 12/6/2025

Mike Massum

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Paula J. Nickelson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (G-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 NYSTROM, LOREN
 Permit No 230287
 Date Issued 12/6/2023 Date Expires 12/6/2025

