



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

RECEIVED

By Tracy Crews at 12:03 pm, Aug 09, 2024

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 030792	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 08/02/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 5268 Flat River RD, Park Hills, MO 63601 (Troop C Service Center)		TIME OF INSPECTION 3:08 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 Laboratories** LOT # **23180** EXP. DATE **05/17/2025**

SIMULATOR TEMPERATURE (34°C ± 0.2°C) **33.98** SIM. SN **MP2460** SIM. NIST EXP DATE **01/16/2025**

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 ← **.101**

TEST 2 ← **.099**

TEST 3 ← **.099**

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 1 (0-.04) (.05-.09) 2 (.10-.14) 3 (.15-.19) (OVER .19)

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 	PRINT NAME Zachary L. Ricker
TYPE II PERM NUMBER EXPIRATION DATE 230304 12/11/2025	TELEPHONE NUMBER (636) 300-2800

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: 030792
Version no: 532B

TEST RECORD 00410 ^{g/}
Temp Date Time 210L

Air Blank:
08/02/24 15:38 .000
Calibration Check:
26 08/02/24 15:38 .101

Subject Name
Main 1
Subject I.D.

Operator Name, I.D.
Z. Ricker 230304
Location

5268 Flat River
Park Hills, MO

AS IV Serial no: 030792
Version no: 532B

TEST RECORD 00411 ^{g/}
Temp Date Time 210L

Air Blank:
08/02/24 15:40 .000
Calibration Check:
27 08/02/24 15:40 .099

Subject Name
Main.
Subject I.D.

Operator Name, I.D.
Z. Ricker 230304
Location

5268 Flat River
Park Hills, Mo

AS IV Serial no: 030792
Version no: 532B

TEST RECORD 00412 ^{g/}
Temp Date Time 210L

Air Blank:
08/02/24 15:42 .000
Calibration Check:
27 08/02/24 15:42 .099

Subject Name
Main
Subject I.D.

Operator Name, I.D.
Z. Ricker 230304
Location

5268 Flat River
Park Hills, mo

AS IV Serial no: 030792
Version no: 532B

TEST RECORD 00413 ^{g/}
Temp Date Time 210L

UOID: RFI
12 08/02/24 15:44

Subject Name
Main
Subject I.D.

Operator Name, I.D.
Z. Ricker 230504
Location

5268 Flat River
Park Hills, MO



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 23180 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **May 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1220%** (w/vol) ethyl alcohol. The expiration date for this lot number is **May 17, 2025** 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 FN1172002 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
ZACHARY RICKER

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, INTOX DMT

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 12/11/2023

NUMBER 230304

EXPIRES 12/11/2025

Mike Masman

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Paula J. Rickelson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

 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 RICKER, ZACHARY
Permit No 230304
Date Issued 12/11/2023 **Date Expires** 12/11/2025

