



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

RECEIVED

By Tracy Crews at 12:57 pm, Jul 19, 2024

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 06/28/2024
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LOCATION OF INSTRUMENT (STREET AND CITY) 5268 Flat River Road, Park Hills, MO 63601 (Troop C Service Center)	TIME OF INSPECTION 6:07 pm
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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 # 23180 EXP. DATE 05/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 33.99 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 ← .097	TEST 2 ← .096	TEST 3 ← .096
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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 	PRINT NAME Zachary L. Ricker
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TYPE II PERMIT NUMBER/EXPIRATION DATE 230304 12/11/2025	TELEPHONE NUMBER (636) 300-2800
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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 00400

Temp Date Time 210L^{9/}

Air Blank: 06/28/24 18:57 .000
Calibration Check: 28 06/28/24 18:57 .097

Subject Name Maint
Subject I.D.

Operator Name, I.D.

Z.L.Ricker 230304

Location

5268 Flat River RD

Park Hills, MO 63601

AS IV Serial no: 030792
Version no: 532B

TEST RECORD 00401

Temp Date Time 210L^{9/}

Air Blank: 06/28/24 18:58 .000
Calibration Check: 28 06/28/24 18:58 .096

Subject Name Maint
Subject I.D.

Operator Name, I.D.

Z.L.Ricker 230304

Location

5268 Flat River Rd

Park Hills, MO 63601

AS IV Serial no: 030792
Version no: 532B

TEST RECORD 00402

Temp Date Time 210L^{9/}

Air Blank: 06/28/24 19:00 .000
Calibration Check: 28 06/28/24 19:00 .096

Subject Name Maint
Subject I.D.

Operator Name, I.D.

Z.L.Ricker 230304

Location

5268 Flat River Rd

Park Hills, MO 63601

AS IV Serial no: 030792
Version no: 532B

TEST RECORD 00403

Temp Date Time 210L^{9/}

VOID: RFI
12 06/28/24 19:02

Subject Name Maint
Subject I.D.

Operator Name, I.D.

Z.L.Ricker 230304

Location

5268 Flat River Rd

Park Hills, MO 63601



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