



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 035714	PRINTER SN 092.3576.249	DATE OF INSPECTION 12/22/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 203 Veterans Memorial Parkway, Wright City, Missouri, 63390		TIME OF INSPECTION 9:06 am

**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 Labrotories LOT # 23390 EXP. DATE 10/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0C SIMULATOR SN SD2745 SIMULATOR EXP DATE 05/10/2024

- 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 .102      TEST 2 .102      TEST 3 .102

- 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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME M. Lackey
TYPE II PERMIT NUMBER/EXPIRATION DATE 220101 03/23/2024	TELEPHONE NUMBER (636) 745-3541

**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: 035714  
Version no: 532B

TEST RECORD 01544  
Temp Date Time 210L  
s/

Air Blank:  
12/22/23 09:16 .000  
Calibration Check:  
20 12/22/23 09:16 .102

Subject Name  
Blank  
Subject I.D.  
114

Operator Name, I.D.  
Lackey 114  
Location  
203 vmp

wright city, MO

AS IV Serial no: 035714  
Version no: 532B

TEST RECORD 01545  
Temp Date Time 210L  
s/

Air Blank:  
12/22/23 09:18 .000  
Subject Test: Auto  
20 12/22/23 09:18 .102

Subject Name  
Blank  
Subject I.D.  
114

Operator Name, I.D.  
Lackey 114  
Location  
203 vmp

wright city, MO

AS IV Serial no: 035714  
Version no: 532B

TEST RECORD 01546  
Temp Date Time 210L  
s/

Air Blank:  
12/22/23 09:21 .000  
Subject Test: Man  
21 12/22/23 09:21 .102

Subject Name  
Blank  
Subject I.D.  
114

Operator Name, I.D.  
Lackey 114  
Location  
203 vmp

wright city, MO

AS IV Serial no: 035714  
Version no: 532B

TEST RECORD 01547  
Temp Date Time 210L  
s/

VOID: RFI  
12 12/22/23 09:23

Subject Name  
Blank  
Subject I.D.  
114

Operator Name, I.D.  
Lackey 114  
Location  
203 vmp

wright city, 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 **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.*