



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 111753	PRINTER SN 09B.3589.512	DATE OF INSPECTION 09/01/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 709 W. Main Street, Greenwood, Missouri 64034		TIME OF INSPECTION 3:15 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 Laboratories LOT # 19370 EXP. DATE 12/09/2021

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2285 SIMULATOR EXP DATE 08/13/2020

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 → .098	TEST 2 → .099	TEST 3 → .100
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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	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	0
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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 <i>Hutchinson #171</i>	PRINT NAME Hutchinson #171
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TYPE II PERMIT NUMBER/EXPIRATION DATE 200128 / 03/09/2022	TELEPHONE NUMBER (816) 537-5020
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**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 IU Serial no: 111753  
Version no: 532B

TEST RECORD 00304

Temp Date Time 210L %/  
Air Blank: 09/01/20 03:18 .000  
Calibration Check: 21 09/01/20 03:18 .098

Subject Name  
Test 1 00304  
Subject I.D.  
Hutchinson #171  
Operator Name, I.D.  
200128  
Location  
Greenwood PD

AS IU Serial no: 111753  
Version no: 532B

TEST RECORD 00305

Temp Date Time 210L %/  
Air Blank: 09/01/20 03:20 .000  
Calibration Check: 22 09/01/20 03:20 .099

Subject Name  
Test 2 00305  
Subject I.D.  
Hutchinson #171  
Operator Name, I.D.  
200128  
Location  
Greenwood PD

AS IU Serial no: 111753  
Version no: 532B

TEST RECORD 00306

Temp Date Time 210L %/  
Air Blank: 09/01/20 03:22 .000  
Calibration Check: 22 09/01/20 03:22 .100

Subject Name  
Test 3 00306  
Subject I.D.  
Hutchinson #171  
Operator Name, I.D.  
200128  
Location  
Greenwood PD

TEST RECORD 00307

Temp Date Time 210L %/  
VOID: RFI  
12 09/01/20 03:28

Subject Name  
RFI 00307  
Subject I.D.  
Hutchinson #171  
Operator Name, I.D.  
200128  
Location  
Greenwood PD

Monthly AS-IV Maintenance check

Greenwood PD 9-1-2020



**GUTH LABORATORIES, INC.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-654-6470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 19370 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on December 10, 2019, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1199% (w/vol) ethyl alcohol. The expiration date for this lot number is December 9, 2021 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 FN04271602 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

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**PERMIT  
 TYPE II**

**ANDREW HUTCHINSON**

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 3/9/2020

NUMBER 200128

EXPIRES 3/9/2022

MO 580-0771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (PB-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 HUTCHINSON, ANDREW  
 Permit No 200128  
 Date issued 3/9/2020 Date Expires 3/9/2022