


 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 107977	PRINTER SN 096.3580.877	DATE OF INSPECTION 11/20/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 301 S MAIN ST, EXCELSIOR SPRINGS, MO 64024		TIME OF INSPECTION 3:15 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 LOT # 20190 EXP. DATE 04/06/2022
 SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN MP3564 SIMULATOR EXP DATE 06/18/2020
 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 ← .099

TEST 2 ← .099

TEST 3 ← .097

 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

▶

PRINT NAME

SGT BRIAN K KENNEDY

TYPE II PERMIT NUMBER/EXPIRATION DATE

290040 02/20/2021

TELEPHONE NUMBER

(816) 630-2000

**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

MS IV Serial no: 187977  
Version no: 5029

TEST RECORD 60908  
Temp Date Time 216L  
Air Blank: 11/20/76 17:02 .000  
Calibration Check: 12 11/20/76 17:03

Subject Name  
*SIMULATOR*  
Subject I.D.

Operator Name: I.D.  
*KENNEDY 90*  
Location

*301 S MAIN ST*  
*ES MO*

MS IV Serial no: 187977  
Version no: 5029

TEST RECORD 60907  
Temp Date Time 216L  
Air Blank: 11/20/76 17:02 .000  
Calibration Check: 25 11/20/76 17:02 .007

Subject Name  
*SIMULATOR*  
Subject I.D.

Operator Name: I.D.  
*KENNEDY 911*  
Location

*301 S MAIN ST*  
*EX SPES*

MS IV Serial no: 187977  
Version no: 5029

TEST RECORD 60906  
Temp Date Time 216L  
Air Blank: 11/20/76 17:00 .000  
Calibration Check: 24 11/20/76 17:00 .099

Subject Name  
*SIMULATOR*  
Subject I.D.

Operator Name: I.D.  
*KENNEDY 911*  
Location

*301 S MAIN ST*  
*ES MS*

MS IV Serial no: 187977  
Version no: 5029

TEST RECORD 60905  
Temp Date Time 216L  
Air Blank: 11/20/76 16:59 .000  
Calibration Check: 24 11/20/76 16:59 .099

Subject Name  
*SIMULATOR*  
Subject I.D.

Operator Name: I.D.  
*KENNEDY 911*  
Location

*301 S MAIN ST*  
*ES MO*



**Missouri Department of Health and Senior Services**  
 P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010  
 RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466  
**Randall W. Williams, MD, FACOG**  
 Director



**Michael L. Parson**  
 Governor

# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

**Simulator Serial Number:** MP3564      **Manufacturer:** Guth  
**Model Number:** 12V500  
**Agency:** EXCELSIOR SPRINGS  
**Agency Address:** 301 S MAIN, EXCELSIOR SPRINGS, MO 64024

## NIST THERMOMETER INFORMATION

**Serial Number:** 17KMM00690      **Bias:** 0.00  
**Uncertainty:** 0.02  
**Date of Certification:** 10/10/2019      **Date of Expiration:** 10/10/2020

## ENVIRONMENTAL CONDITIONS

The environmental conditions during testing are within the tolerances of DHSS BAP method 3.

## VERIFICATION RESULTS

<u>Simulator Average</u>	<u>NIST Average</u>	<u>Combined Uncertainty</u>
33.99	34.00	.03

The combined uncertainty is calculated with a k=2 value.

## ADJUSTMENT RESULTS

No adjustment was needed.

**Date of testing:** 6/3/2020  
**Certification Expiration:** 6/3/2021  
**Simulator testing technician:** M. BOND

**Notes on Condition:** none  
**Deviation(s) from method:** none

**DHSS BAP Scientist Approving:** B. LUTMER  
**Certification No:** MP3564\_632020

X

DHSS BAP Scientist Approving

**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 **20190** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **April 8, 2020**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1206%** (w/vol) ethyl alcohol. The expiration date for this lot number is **April 6, 2022** 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 FN02271802 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**  
**BRIAN K KENNEDY**

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 2/20/2019

NUMBER 290040

EXPIRES 2/20/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

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 KENNEDY, BRIAN  
Permit No 290040  
Date Issued 2/20/2019 Date Expires 2/20/2021

