



**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<br>107977 | NAME OF AGENCY<br>Excelsior Springs Police Department | DATE OF INSPECTION<br>11/11/23 |
|-----------------------------|---|--------------------------------|

|   |                            |
|---|----------------------------|
| LOCATION OF INSTRUMENT (STREET AND CITY)<br>301 S. Main Excelsior Springs, Mo 64024 | TIME OF INSPECTION<br>1905 |
|---|----------------------------|

**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 # 23180 EXP. DATE 05/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN MP3564 SIM. NIST EXP DATE 05/16/2024

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 .101

TEST 2 .100

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 | 0 | (0-.04) | 0 | (.05-.09) | 2 | (.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  
C. Cramer-Stocks

TYPE II PERMIT NUMBER/EXPIRATION DATE  
230103 5/30/2025

TELEPHONE NUMBER  
(816) 630-2000

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

48 IU Serial no: 187977  
Version no: 522B

TEST RECORD 01342

Temp Date Time 210L

Air Blank: 11/11/23 14:05 .000

Calibration Check: 20 11/11/23 14:05 .101

Subject Name

Simulator

Subject I.D.

Operator Name: I.D.

Channer 910

Location

ESPD

48 IU Serial no: 187977  
Version no: 522B

TEST RECORD 01345

Temp Date Time 210L

Air Blank: 11/11/23 14:06 .000

Calibration Check: 21 11/11/23 14:06 .100

Subject Name

Simulator

Subject I.D.

Operator Name: I.D.

Channer 910

ESPD

48 IU Serial no: 187977  
Version no: 522B

TEST RECORD 01346

Temp Date Time 210L

Air Blank: 11/11/23 14:06 .000

Calibration Check: 21 11/11/23 14:06 .100

Subject Name

Simulator

Subject I.D.

Operator Name: I.D.

Channer 910

ESPD

48 IU Serial no: 187977  
Version no: 522B

TEST RECORD 01347

Temp Date Time 210L

Air Blank: 11/11/23 14:06 .000

Calibration Check: 21 11/11/23 14:06 .100

Subject Name

Simulator

Subject I.D.

Operator Name: I.D.

Channer 910

ESPD



**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



Paula Mickelson  
 Acting 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:** 10/24/2022      **Date of Expiration:** 10/24/2023

## **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> |
|--------------------------|---------------------|-----------------------------|
| 34.00                    | 34.00               | .02                         |

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

## **ADJUSTMENT RESULTS**

No adjustment was needed.

**Date of testing:** 5/16/2023  
**Certification Expiration:** 5/16/2024  
**Simulator testing technician:** R. SCHILDKNECHT

**Notes on Condition:** none

**Deviation(s) from method:** none

**DHSS BAP Scientist Approving:** BRIANNA MEDRANO  
**Certification No:** MP3564\_5162023

**X** *Brianna Medrano*

DHSS BAP Scientist Approving

Simulator Calibration Certification  
 Issued by Lab Manager, DHSS BAP  
 Revision Date: 06/25/2022

Breath Alcohol Program  
 1903 Northwood Drive, Suite 4  
 Poplar Bluff, MO 63901

DHSS BAP Document 3.6A  
 Revision 2  
 Page 1 of 1



**GUTH LABORATORIES, INC.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4811 • 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  $34^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$ , 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 FN11172002 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

2

PERMIT  
TYPE II

**CASSIE N. CRAMER-STOCKS**

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 5/30/2023

NUMBER 230103

EXPIRES 5/30/2025

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Paula J. Nicholson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (6-10)

MO 580-0771 (6-10)

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 from expired air in Missouri.*

Operator **CRAMER-STOCKS, CASSIE**  
Permit No **230103**  
Date Issued **5/30/2023** Date Expires **5/30/2025**

