



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

**RECEIVED**

By Tracy Crews at 8:27 am, Feb 02, 2024

REPORT #

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 <u>111650</u>	NAME OF AGENCY <u>Bowchen PD</u>	DATE OF INSPECTION <u>2-1-24</u>
LOCATION OF INSTRUMENT (STREET AND CITY) <u>602 S Franklin St Cuba</u>		TIME OF INSPECTION <u>2:04 pm</u>

**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 # 22430 EXP. DATE 11-30-24
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34° SIM. SN MP 3872 SIM. NIST EXP DATE 5-4-24

- 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 = <u>.103</u>	TEST 2 = <u>.103</u>	TEST 3 = <u>.103</u>
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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 <u>0</u>	(0-.04) <u>0</u>	(.05-.09) <u>0</u>	(.10-.14) <u>0</u>	(.15-.19) <u>0</u>	(OVER .19) <u>0</u>
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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).

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INSPECTING OFFICER SIGNATURE <u>Michael Conluzel</u>	PRINT NAME <u>Michael Conluzel</u>
TYPE II PERMIT NUMBER/EXPIRATION DATE <u>220115 / 4-29-24</u>	TELEPHONE NUMBER <u>(577) 732-4838</u>

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: 111650  
Version no: 532B

TEST RECORD 00348

Temp Date Time 210L <sup>9/</sup>

Air Blank: 02/01/24 14:04 .000  
Calibration Check: 29 02/01/24 14:04 .103

Subject Name

Blank

Subject I.D.

Test 1

Operator Name, I.D.

Candiani / 220115

Location

602 S. Franklin St

Cuba

AS IV Serial no: 111650  
Version no: 532B

TEST RECORD 00349

Temp Date Time 210L <sup>9/</sup>

Air Blank: 02/01/24 14:06 .000  
Calibration Check: 29 02/01/24 14:06 .103

Subject Name

Blank

Subject I.D.

Test 2

Operator Name, I.D.

Candiani / 220115

Location

602 S. Franklin St

Cuba

AS IV Serial no: 111650  
Version no: 532B

TEST RECORD 00350

Temp Date Time 210L <sup>9/</sup>

Air Blank: 02/01/24 14:07 .000  
Calibration Check: 29 02/01/24 14:07 .103

Subject Name

Blank

Subject I.D.

Test 3

Operator Name, I.D.

Candiani / 220115

Location

602 S. Franklin St

Cuba

AS IV Serial no: 111650  
Version no: 532B

TEST RECORD 00351

Temp Date Time 210L <sup>9/</sup>

VOID: RFI  
02/01/24 14:08

Subject Name

Blank

Subject I.D.

RCT

Operator Name, I.D.

Candiani / 220115

Location

602 S. Franklin St

Cuba



## GUTH LABORATORIES, INC.

580 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 **22430** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 1, 2022**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1216%** (w/vol) ethyl alcohol. The expiration date for this lot number is **November 30, 2024** 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 FN03052002 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.*



**Paula Nickelson**  
Acting Director

**Michael L. Parson**  
Governor

# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

**Simulator Serial Number:** MP3872      **Manufacturer:** Guth  
**Model Number:** 12V500  
**Agency:** CUBA PD  
**Agency Address:** 602 S FRANKLIN, CUBA, MO 65453

## 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>
34.01	34.02	.03

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

## ADJUSTMENT RESULTS

No adjustment was needed.

**Date of testing:** 5/4/2023  
**Certification Expiration:** 5/4/2024  
**Simulator testing technician:** R. SCHILDKNECHT

**Notes on Condition:** none

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

**DHSS BAP Scientist Approving:** BRIANNA MEDRANO  
**Certification No:** MP3872\_542023

**X** *Brianna Medrano*

DHSS BAP Scientist Approving



**STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM**

2

**PERMIT  
TYPE II**

**MICHAEL S. CENTUNZI**

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 1/29/2022

NUMBER 220115

EXPIRES 1/29/2024

KS-2771 (2-18)

*F. Ann G. Wray*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Dana J. Neider*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-1000

**STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM**

**INSTRUMENT OPERATOR CARD**

This card is to be attached to each of the breath alcohol analyzers used for the determination of the alcoholic content of blood from a sample of expired air.

By operator **MICHAEL, MICHAEL**  
Permit No. **220115**  
Breathalyzer **4618002** BMO Reg No **4618004**

