



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

**RECEIVED**  
 By Tracy Crews at 7:53 am, Dec 04, 2023

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>100286</u>	NAME OF AGENCY <u>Cuba PD</u>	DATE OF INSPECTION <u>12-1-23</u>
LOCATION OF INSTRUMENT (STREET AND CITY) <u>602 S. Franklin St Cuba</u>		TIME OF INSPECTION <u>9:38 am</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 Cuba LOT # 22430 EXP. DATE 11-30-24

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34° SIM. SN MP3872 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>.102</u>	TEST 2 • <u>.103</u>	TEST 3 • <u>.102</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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<b>INSPECTING OFFICER</b>	
SIGNATURE <u>Michael Centurzi</u>	PRINT NAME <u>Michael Centurzi</u>
TYPE II PERMIT NUMBER/EXPIRATION DATE <u>220115/4-29-24</u>	TELEPHONE NUMBER <u>(573) 885-7979</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: 100286  
Version no: 532B

TEST RECORD 01254

Temp Date Time 210L  
Air Blank:  
12/01/23 09:38 .000  
Calibration Check:  
20 12/01/23 09:38 .102

Subject Name

Blank

Subject I.D.

Test 1

Operator Name, I.D.

Century/20015

Location

602 S. Franklin St

Cuba

AS IV Serial no: 100286  
Version no: 532B

TEST RECORD 01255

Temp Date Time 210L  
Air Blank:  
12/01/23 09:39 .000  
Calibration Check:  
20 12/01/23 09:39 .103

Subject Name

Blank

Subject I.D.

Test 2

Operator Name, I.D.

Century/20015

Location

602 S. Franklin St

Cuba

AS IV Serial no: 100286  
Version no: 532B

TEST RECORD 01256

Temp Date Time 210L  
Air Blank:  
12/01/23 09:41 .000  
Calibration Check:  
21 12/01/23 09:41 .102

Subject Name

Blank

Subject I.D.

Test 3

Operator Name, I.D.

Century/20015

Location

602 S. Franklin St

Cuba

AS IV Serial no: 100286  
Version no: 532B

TEST RECORD 01257

Temp Date Time 210L  
VOID: PJ1  
12 12/01/23 09:42

Subject Name

Blank

Subject I.D.

PFI

Operator Name, I.D.

Century/20015

Location

602 S. Franklin St

Cuba



**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



## 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 **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.*



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 308.111 through 308.119 RSMo.

DATE 4/29/2022  
NUMBER 220115  
EXPIRES 4/29/2024

*J. Ann G. Nag*  
DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Paula J. Nielsen*  
DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES  
LAB-1 (8-10)

MS-5771 (8-10)

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

**INSTRUMENT OPERATOR CARD**

This non-refillable card, placed in a open to an individual breath alcohol instrument for the determination of the alcohol content in breath form of expired air in Missouri.

Operator: **CENTUNZI, MICHAEL**  
Permit No: **220115**  
Breath Analyzer: **481/2322**      BIA No: **481/2322**

