



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

RECEIVED  
 07/19/21 11:39 am, Aug 06

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 105443	NAME OF AGENCY Raymore PD	DATE OF INSPECTION 8/6/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 100 Municipal Circle, Raymore		TIME OF INSPECTION 0140

**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, Inc.      LOT # 19341      EXP. DATE 11/18/2021

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0      SIM. SN SD 2256      SIM. NIST EXP DATE 08/24/2021

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 ← .100                      TEST 2 ← .099                      TEST 3 ← .098

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

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 Thomas Williams
TYPE II PERMIT NUMBER/EXPIRATION DATE 210077 - 04/06/2023	TELEPHONE NUMBER ( 816 ) 331-0530

**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: 105443  
Version no: 532B

TEST RECORD 01130

Temp	Date	Time	g/
			210L

Air Blank:  
08/06/21 01:40 .000  
Calibration Check:  
20 08/06/21 01:40 .100

Subject Name

Maintenance 1

Subject I.D.

210077

Operator Name, I.D.

Thomas Williams

Location

Raymore PD

AS IV Serial no: 105443  
Version no: 532B

TEST RECORD 01131

Temp	Date	Time	g/
			210L

Air Blank:  
08/06/21 01:42 .000  
Calibration Check:  
21 08/06/21 01:42 .099

Subject Name

Maintenance 2

Subject I.D.

210077

Operator Name, I.D.

Thomas Williams

Location

Raymore PD

AS IV Serial no: 105443  
Version no: 532B

TEST RECORD 01132

Temp	Date	Time	g/
			210L

Air Blank:  
08/06/21 01:45 .000  
Calibration Check:  
22 08/06/21 01:45 .098

Subject Name

Maintenance 3

Subject I.D.

210077

Operator Name, I.D.

Thomas Williams

Location

Raymore PD

AS IV Serial no: 105443  
Version no: 532B

TEST RECORD 01133

Temp	Date	Time	g/
			210L

VOID: RFI  
12 08/06/21 01:47

Subject Name

Maintenance RFI

Subject I.D.

210077

Operator Name, I.D.

Thomas Williams

Location

Raymore PD



**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:** SD2256      **Manufacturer:** Guth  
**Model Number:** 10-4D  
**Agency:** RAYMORE PD  
**Agency Address:** 100 MUNICIPAL CIRCLE, RAYMORE, MO 64083

## NIST THERMOMETER INFORMATION

**Serial Number:** 17KMM00689      **Bias:** 0.00  
**Uncertainty:** 0.02  
**Date of Certification:** 1/23/2020      **Date of Expiration:** 1/23/2021

## 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	33.98	.04

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

## ADJUSTMENT RESULTS

No adjustment was needed.

**Date of testing:** 8/24/2020  
**Certification Expiration:** 8/24/2021  
**Simulator testing technician:** M. BOND

**Notes on Condition:** none

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

**DHSS BAP Scientist Approving:** B. LUTMER  
**Certification No:** SD2256\_8242020

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 20420 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 23, 2020, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1208% (w/vol) ethyl alcohol. The expiration date for this lot number is September 22, 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 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



**PERMIT**  
**TYPE II**  
**THOMAS WILLIAMS**

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, INTOX EC/IR II**

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 4/6/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 210077

EXPIRES 4/6/2023

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 WILLIAMS, THOMAS  
 Permit No 210077  
 Date Issued 4/6/2021 Date Expires 4/6/2023