



**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<br><b>087978</b>  | NAME OF AGENCY<br><b>Owensville PD</b> | DATE OF INSPECTION<br><b>09-05-2020</b> |
| LOCATION OF INSTRUMENT (STREET AND CITY)<br><b>109 NORTH SECOND Street Owensville</b> |  | TIME OF INSPECTION<br><b>9:15 PM</b>    |

**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** LOT # **19370** EXP. DATE **12-09-2021**

SIMULATOR TEMPERATURE (34°C ± 0.2°C) **34.0** SIM. SN **SD 2300** SIM. NIST EXP DATE **01-23-2021**

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 ← **.101**      TEST 2 ← **.101**      TEST 3 ← **.101**

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).

*Instrument operating satisfactorily and within established limits.*

**INSPECTING OFFICER**

|   |  |
|---|--|
| SIGNATURE<br><i>J. Griffith</i>                                   | PRINT NAME<br><b>JONATHAN SCOTT GRIFFITH</b> |
| TYPE II PERMIT NUMBER/EXPIRATION DATE<br><b>290108/05-21-2021</b> | TELEPHONE NUMBER<br><b>(573) 437-2195</b>    |

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: 087978  
Version no: 532B

TEST RECORD 00497

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

Air Blank:  
09/05/20 21:15 .000  
Subject Test: Auto  
23 09/05/20 21:15 .000

Subject Name

Subject I.D.

Blank Test  
Operator Name, I.D.  
GRIFFITH 104  
Location  
Owensville PD

AS IV Serial no: 087978  
Version no: 532B

TEST RECORD 00498

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

Air Blank:  
09/05/20 21:19 .000  
Calibration Check:  
24 09/05/20 21:19 .101

Subject Name

Subject I.D.

Check 1  
Operator Name, I.D.  
GRIFFITH 104  
Location  
Owensville PD

AS IV Serial no: 087978  
Version no: 532B

TEST RECORD 00499

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

Air Blank:  
09/05/20 21:22 .000  
Calibration Check:  
24 09/05/20 21:22 .101

Subject Name

Subject I.D.

Check 2  
Operator Name, I.D.  
GRIFFITH 104  
Location  
Owensville PD

AS IV Serial no: 087978  
Version no: 532B

TEST RECORD 00500

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

Air Blank:  
09/05/20 21:24 .000  
Calibration Check:  
25 09/05/20 21:24 .101

Subject Name

Subject I.D.

Check 3  
Operator Name, I.D.  
GRIFFITH 104  
Location  
Owensville PD

AS IV Serial no: 087978  
Version no: 532B

TEST RECORD 00501

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

VOID: RFI  
12 09/05/20 21:27

Subject Name

Subject I.D.

Check - RFI  
Operator Name, I.D.  
GRIFFITH 104  
Location  
Owensville PD



# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

Simulator Serial Number: SD2300      Manufacturer: Guth  
 Model Number: 10-4D  
 Agency: OWENSVILLE PD  
 Agency Address: 109 N 2ND ST, OWENSVILLE, MO 65066

## 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                    | 33.95               | .10                         |

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

## ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 2/7/2020  
 Certification Expiration: 2/7/2021  
 Simulator testing technician: S. GARY

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER  
 Certification No: SD2300\_272020

X *Brian Lutmer*

DHSS BAP Scientist Approving



**GUTH LABORATORIES, INC.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-654-6470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **19370** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 10, 2019**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1199%** (w/vol) ethyl alcohol. The expiration date for this lot number is **December 9, 2021** 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 FN04271602 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**

**JONATHAN S GRIFFITH**

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 5/21/2019

NUMBER 290108

EXPIRES 5/21/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES