



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 111328	NAME OF AGENCY Knob Noster PD	DATE OF INSPECTION 04/15/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 201 N. State Street, Knob Noster		TIME OF INSPECTION 8:49 pm

**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 # 21080 EXP. DATE 03/08/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2231 SIM. NIST EXP DATE 01/26/2022

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 .099

TEST 2 .098

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	1	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	1
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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).

Instrument working correctly within Dept. of Health Standards.

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
 Lt. Karl Van Vickle

TYPE II PERMIT NUMBER/EXPIRATION DATE  
 200181 / 05-20-2022

TELEPHONE NUMBER  
 (660) 563-2233

**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: 111328  
Version no: 532B

TEST RECORD 00558

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

Air Blank:  
04/15/21 20:49 .000  
Calibration Check:  
20 04/15/21 20:49 .000

Monthly Maint  
Subject Name

Blank Standard  
Subject I.D.

Lt. K. VanVickle 200181  
Operator Name, I.D.

Knob Noster PD  
Location

201 N. State St.

Knob Noster MO 65336

AS IV Serial no: 111328  
Version no: 532B

TEST RECORD 00559

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

VOID: RFI  
12 04/15/21 20:50  
Monthly Maint  
Subject Name

RFI Check  
Subject I.D.

Lt. K. VanVickle 200181  
Operator Name, I.D.

Knob Noster PD  
Location

201 N. State St.

Knob Noster MO 65336

AS IV Serial no: 111328  
Version no: 532B

TEST RECORD 00560

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

Air Blank:  
04/15/21 20:52 .000  
Calibration Check:  
21 04/15/21 20:52 .099

Monthly Maint  
Subject Name

Test #1  
Subject I.D.

Lt. K. VanVickle 200181  
Operator Name, I.D.

Knob Noster PD  
Location

201 N. State St.

Knob Noster MO 65336

AS IV Serial no: 111328  
Version no: 532B

TEST RECORD 00561

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

Air Blank:  
04/15/21 20:54 .000  
Calibration Check:  
22 04/15/21 20:54 .098

Monthly Maint  
Subject Name

Test #2  
Subject I.D.

Lt. K. VanVickle 200181  
Operator Name, I.D.

Knob Noster PD  
Location

201 N. State St.

Knob Noster MO 65336

AS IV Serial no: 111328  
Version no: 532B

TEST RECORD 00562

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

Air Blank:  
04/15/21 20:56 .000  
Calibration Check:  
22 04/15/21 20:56 .098

Monthly Maint  
Subject Name

Test #3  
Subject I.D.

Lt. K. VanVickle 200181  
Operator Name, I.D.

Knob Noster PD  
Location

201 N. State St.

Knob Noster MO 65336



**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:** SD2231      **Manufacturer:** Guth  
**Model Number:** 10-4D  
**Agency:** KNOB NOSTER PD  
**Agency Address:** 201 N STATE, KNOB NOSTER, MO 65336

## NIST THERMOMETER INFORMATION

**Serial Number:** 17KMM00690      **Bias:** 0.00  
**Uncertainty:** 0.02  
**Date of Certification:** 11/6/2020      **Date of Expiration:** 11/6/2021

## 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	33.99	.03

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

## ADJUSTMENT RESULTS

No adjustment was needed.

**Date of testing:** 1/26/2021  
**Certification Expiration:** 1/26/2022  
**Simulator testing technician:** D. DEBOARD

**Notes on Condition:** none

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

**DHSS BAP Scientist Approving:** B. LUTMER  
**Certification No:** SD2231\_1262021

X *Brian Lutmer*

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 **21080** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 10, 2021**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1214%** (w/vol) ethyl alcohol. The expiration date for this lot number is **March 8, 2023** 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

KARL VANVICKLE

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 5/20/2020

NUMBER 200181

EXPIRES 5/20/2022

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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 VANVICKLE, KARL  
 Permit No 200181  
 Date Issued 5/20/2020 Date Expires 5/20/2022

COPY