



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

**RECEIVED**  
 By Tracy Crews at 7:34 am, Jan 24, 2025

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 01/22/2025
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LOCATION OF INSTRUMENT (STREET AND CITY) 201 N. State St. Knob Noster	TIME OF INSPECTION 4:20 pm
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**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 # 24110 EXP. DATE 03/05/2026
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2231 SIM. NIST EXP DATE 10/21/2025

- 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  .099	TEST 3  .098
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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	0	(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.

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME Karl Van Vickle
TYPE II PERMIT NUMBER/EXPIRATION DATE 240175 / 08-16-2026	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 00841

Temp Date Time 210L

Air Blank:  
01/22/25 16:20 .000

Calibration Check:  
20 01/22/25 16:20 .000

Monthly Maint  
Subject Name

Blank Standard  
Subject I.D.

K. VanVickle 240175  
Operator Name, I.D.

201 N. State St.  
Location

Knob Noster, MO 65336

Knob Noster PD

AS IV Serial no: 111328  
Version no: 532B

TEST RECORD 00842

Temp Date Time 210L

Air Blank:  
01/22/25 16:22 .000

Calibration Check:  
20 01/22/25 16:22 .000

Monthly Maint  
Subject Name

Test #1  
Subject I.D.

K. VanVickle 240175  
Operator Name, I.D.

201 N. State St.  
Location

Knob Noster, MO 65336

Knob Noster PD

AS IV Serial no: 111328  
Version no: 532B

TEST RECORD 00843

Temp Date Time 210L

Air Blank:  
01/22/25 16:23 .000

Calibration Check:  
20 01/22/25 16:23 .000

Monthly Maint  
Subject Name

Test #2  
Subject I.D.

K. VanVickle 240175  
Operator Name, I.D.

201 N. State St.  
Location

Knob Noster, MO 65336

Knob Noster PD

AS IV Serial no: 111328  
Version no: 532B

TEST RECORD 00844

Temp Date Time 210L

Air Blank:  
01/22/25 16:25 .000

Calibration Check:  
21 01/22/25 16:25 .000

Monthly Maint  
Subject Name

Test #3  
Subject I.D.

K. VanVickle 240175  
Operator Name, I.D.

201 N. State St.  
Location

Knob Noster, MO 65336

Knob Noster PD

AS IV Serial no: 111328  
Version no: 532B

TEST RECORD 00845

Temp Date Time 210L

Units: RFI  
12 01/22/25 16:26

Monthly Maint  
Subject Name

RFI CHECK  
Subject I.D.

K. VanVickle 240175  
Operator Name, I.D.

201 N. State St.  
Location

Knob Noster, MO 65336

Knob Noster PD



Paula Nickelson
Director

Michael L. Par
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: 10/21/2024 Date of Expiration: 10/21/2025

ENVIRONMENTAL CONDITIONS

The environmental conditions during testing are within the tolerances of DHSS BAP method 3.

VERIFICATION RESULTS

Table with 3 columns: Simulator Average (34.00), NIST Average (34.02), Combined Uncertainty (.04)

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 11/18/2024
Certification Expiration: 11/18/2025
Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none
Deviation(s) from method: none

DHSS BAP Scientist Approving:
Certification No: SD2231\_11182024

X [Signature]



## 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 **24110** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 6, 2024**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1215%** (w/vol) ethyl alcohol. The expiration date for this lot number is **March 5, 2026** 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 FN03072301 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**

**KARL E. 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 8/16/2024

NUMBER 240175

EXPIRES 8/16/2026

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*David J. Nielson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MD 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 240175  
Date Issued 8/16/2024 Date Expires 8/16/2026

