



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

RECEIVED
 By Tracy Crews at 11:43 am, Jul 27, 2021

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 07/26/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 201 N. State Street, Knob Noster		TIME OF INSPECTION 9:12 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 .098	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.

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 00590

Temp Date Time ^{s/} 210L

Air Blank:
07/26/21 21:12 .000
Calibration Check:
20 07/26/21 21:12 .000
Monthly Maint
Subject Name

Blank Standard
Subject I.D.

Lt. K VanVickle 200181
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 00591

Temp Date Time ^{s/} 210L

VOID: RFI
12 07/26/21 21:13
Monthly Maint
Subject Name

RFI Check
Subject I.D.

Lt. K VanVickle 200181
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 00592

Temp Date Time ^{s/} 210L

Air Blank:
07/26/21 21:14 .000
Calibration Check:
21 07/26/21 21:14 .098
Monthly Maint
Subject Name

Test #1
Subject I.D.

Lt. K VanVickle 200181
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 00593

Temp Date Time ^{s/} 210L

Air Blank:
07/26/21 21:16 .000
Calibration Check:
21 07/26/21 21:16 .099
Monthly Maint
Subject Name

Test #2
Subject I.D.

Lt. K VanVickle 200181
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 00594

Temp Date Time ^{s/} 210L

Air Blank:
07/26/21 21:18 .000
Calibration Check:
21 07/26/21 21:18 .098
Monthly Maint
Subject Name

Test #3
Subject I.D.

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

201 N State St.
Location

Knob Noster MO 65336

Knob Noster PD



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

DHSS BAP Scientist Approving



GUTH LABORATORIES, INC.

580 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°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.



COPY



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

2

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 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