



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

RECEIVED
 BY: Tracy Crowe at 2:15 pm, 03/18/20

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	PRINTER SN 099.3586.579	DATE OF INSPECTION 03/18/2020
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LOCATION OF INSTRUMENT (STREET AND CITY) 201 N. State Street, Knob Noster	TIME OF INSPECTION 8:37 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 # 19370 EXP. DATE 12/09/2021

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2231 SIMULATOR 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 .099

TEST 2 .099

TEST 3 .099

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
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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).

ASIV Battery Replaced.
 Time Adjusted.
 Instrument working correctly withing Dept. of Health Standards.

INSPECTING OFFICER

SIGNATURE 	PRINT NAME Lt. Karl Van Vickle 405
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TYPE II PERMIT NUMBER/EXPIRATION DATE 280204 / 05-24-2020	TELEPHONE NUMBER (660) 563-2233
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Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office
 2875 James Boulevard
 Poplar Bluff, MO 63901

AS IV Serial no: 111328
Version no: 532B

TEST RECORD 00476

Temp Date Time ^{9/} 210L

Air Blank:
03/18/20 20:37 .000
Calibration Check:
22 03/18/20 20:37 .000
Monthly Maint
Subject Name

Blank Standard
Subject I.D.

Lt. K. VanVickle 280204
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 00477

Temp Date Time ^{9/} 210L

VOID: RFI
12 03/18/20 20:38
Monthly Maint
Subject Name

RFI ✓
Subject I.D.

Lt. K. VanVickle 280204
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 00478

Temp Date Time ^{9/} 210L

Air Blank:
03/18/20 20:42 .000
Calibration Check:
24 03/18/20 20:42 .099
Monthly Maint
Subject Name

TEST #1
Subject I.D.

Lt. K. VanVickle 280204
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 00479

Temp Date Time ^{9/} 210L

Air Blank:
03/18/20 20:44 .000
Calibration Check:
24 03/18/20 20:44 .099
Monthly Maint
Subject Name

TEST #2
Subject I.D.

Lt. K. VanVickle 280204
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 00480

Temp Date Time ^{9/} 210L

Air Blank:
03/18/20 20:46 .000
Calibration Check:
24 03/18/20 20:46 .099
Monthly Maint
Subject Name

TEST #3
Subject I.D.

Lt. K. VanVickle 280204
Operator Name, I.D.

Knob Noster PD
Location

201 N. State ST

Knob Noster MO 65336



SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: SD2231 **Manufacturer:** Guth
Model Number: 10-4D
Agency: KNOB NOSTER PD
Agency Address: 218 N STATE, KNOB NOSTER, MO 65336

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 **Bias:** 0.00
Uncertainty: 0.02
Date of Certification: 10/10/2019 **Date of Expiration:** 10/10/2020

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	34.01	.03

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 1/23/2020
Certification Expiration: 1/23/2021
Simulator testing technician: S. GARY

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER
Certification No: SD2231_1232020

X *Brian Lutmer*

DHSS BAP Scientist Approving



GUTH LABORATORIES, INC.

599 NORTH 6TH STREET • HARRISBURG, PA 17111-4514 • TELEPHONE: 717-664-5470

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°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 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.

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 5/24/2018

NUMBER 280204

EXPIRES 5/24/2020

MO 580-0771 (8-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (FS-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 280204
Date Issued 5/24/2018 Date Expires 5/24/2020

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