


 MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
 STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED

By Tracy Crews at 7:51 am, Apr 28, 2022

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 03/22/2022
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LOCATION OF INSTRUMENT (STREET AND CITY) 201 N State Street Knob Noster	TIME OF INSPECTION 11:39 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 # 21190 EXP. DATE 06/08/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2231 SIM. NIST EXP DATE 01/31/2023

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

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).

Changed the battery in the Alco Sensor. Instrument working correctly within Dept. of Health Standards.

INSPECTING OFFICER

SIGNATURE 	PRINT NAME Sgt Mitch Houston
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TYPE II PERMIT NUMBER/EXPIRATION DATE 220086 / 03/16/2024	TELEPHONE NUMBER (866) 563-2233
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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

AS IV Serial no: 111328
Version no: 532B

TEST RECORD 00651

Temp Date Time ^{s/} 210L

Air Blank:
04/22/22 23:39 .000

Subject Test: Auto
23 04/22/22 23:39 .000
Monthly Maint

Subject Name
Air Blank Standard

Subject I.D.
Sgt M Houston 220086

Operator Name, I.D.
201 W State St

Location
Knob Noster, Mo

65336

AS IV Serial no: 111328
Version no: 532B

TEST RECORD 00652

Temp Date Time ^{s/} 210L

Air Blank:
04/22/22 23:41 .000

Calibration Check:
24 04/22/22 23:41 .099
Monthly Maint

Subject Name
Test 1

Subject I.D.
Sgt M Houston 220086

Operator Name, I.D.
Knob Noster PD

Location
201 W State St

Knob Noster Mo
65336

AS IV Serial no: 111328
Version no: 532B

TEST RECORD 00653

Temp Date Time ^{s/} 210L

Air Blank:
04/22/22 23:43 .000

Calibration Check:
25 04/22/22 23:43 .099
Monthly Maint

Subject Name
Test 2

Subject I.D.
Sgt M Houston 220086

Operator Name, I.D.
Knob Noster PD

Location
201 W State St

Knob Noster Mo
65336

AS IV Serial no: 111328
Version no: 532B

TEST RECORD 00654

Temp Date Time ^{s/} 210L

Air Blank:
04/22/22 23:56 .000

Calibration Check:
28 04/22/22 23:56 .098
Monthly Maint

Subject Name
Test 3

Subject I.D.
Sgt M Houston

Operator Name, I.D.
Knob Noster PD

Location
201 W State St

Knob Noster Mo
65336

AS IV Serial no: 111328
Version no: 532B

TEST RECORD 00655

Temp Date Time ^{s/} 210L

UGID: RFI
12 04/22/22 23:58

Monthly Maint

Subject Name
RFI

Subject I.D.
Sgt M Houston 220086

Operator Name, I.D.
Knob Noster PD

Location
201 W State St

Knob Noster, Mo
65336

**GUTH LABORATORIES, INC.**

580 NORTH 87th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **21190** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **June 9, 2021**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1206%** (w/vol) ethyl alcohol. The expiration date for this lot number is **June 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.



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

Richard W. Moore
 Acting 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: 0.01
 Uncertainty: 0.02
 Date of Certification: 11/10/2021 Date of Expiration: 11/10/2022

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: 1/31/2022
 Certification Expiration: 1/31/2023
 Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO

Certification No: SD2231_1312022

X *Brianna Medrano*

DHSS BAP Scientist Approving

Simulator Calibration Certification
 Issued by Lab Manager, DHSS BAP
 Revision Date: 05/16/2018

Breath Alcohol Program
 1903 Northwood Drive, Suite 4
 Poplar Bluff, MO 63901

DHSS BAP Document 3.6A
 Revision 1
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STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES
BREATH ALCOHOL PROGRAM



**PERMIT
TYPE II**

MITCHEL HOUSTON

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 3/16/2022

NUMBER 220086

EXPIRES 3/16/2024

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (8-10)

LAB-4 (R5-10)

 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 HOUSTON, MITCHEL
Permit No 220086
Date Issued 3/16/2022 Date Expires 3/16/2024

