



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED

By Tracy Crews at 10:56 am, Oct 31, 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 105446	NAME OF AGENCY Lone Jack Police Department	DATE OF INSPECTION 10/28/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 401 N Bynum Road, Lone Jack		TIME OF INSPECTION 0:25 am

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, INC LOT # 22080 EXP. DATE 03/07/2024

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN MP6535 SIM. NIST EXP DATE 02/01/2023

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 .098

TEST 2 .098

TEST 3 .097

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)	1	(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).

INSPECTING OFFICER

SIGNATURE Ryan Bird

PRINT NAME
Ryan Bird

TYPE II PERMIT NUMBER/EXPIRATION DATE
210256 11/18/2023

TELEPHONE NUMBER
(816) 697-2417

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: 105446
Version no: 532B

TEST RECORD 00984

Temp Date Time ^{s/} 210L

Air Blank:
10/28/22 00:25 .000
Calibration Check:
29 10/28/22 00:25 .098

Subject Name

Subject I.D.

Bird #377

Operator Name, I.D.

401 N Bynum Lane Jacksonville
Location

AS IV Serial no: 105446
Version no: 532B

TEST RECORD 00986

Temp Date Time ^{s/} 210L

Air Blank:
10/28/22 00:29 .000
Calibration Check:
30 10/28/22 00:29 .097

Subject Name

Subject I.D.

Bird #377

Operator Name, I.D.

401 N Bynum rd Lane Jacksonville
Location

AS IV Serial no: 105446
Version no: 532B

TEST RECORD 00985

Temp Date Time ^{s/} 210L

Air Blank:
10/28/22 00:27 .000
Calibration Check:
29 10/28/22 00:27 .098

Subject Name

Subject I.D.

Bird, #377

Operator Name, I.D.

401 N Bynum Lane Jacksonville
Location

AS IV Serial no: 105446
Version no: 532B

TEST RECORD 00987

Temp Date Time ^{s/} 210L

VOID: RFI
12 10/28/22 00:30

Subject Name

Subject I.D.

Bird, #377

Operator Name, I.D.

401 N Bynum Lane Jacksonville
Location



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 **22080** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 9, 2022**, 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 7, 2024** 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.



Richard W. Moore
 Acting Director

Michael L. Parson
 Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP6535 Manufacturer: Guth
 Model Number: 12V500
 Agency: LONE JACK PD
 Agency Address: 401 N BYNUM RD, LONE JACK, MO 64070

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: 2/1/2022
 Certification Expiration: 2/1/2023
 Simulator testing technician: D. DEBOARD

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
 Certification No: MP6535_212022

X

DHSS BAP Scientist Approving



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

2

PERMIT
TYPE II
RYAN BIRD

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 11/18/2021

NUMBER 210256

EXPIRES 11/18/2023

Laura Q. Day

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Donald A. Ramsey

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (16-10)

 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 BIRD, RYAN
 Permit No 210256
 Date Issued 11/18/2021 Date Expires 11/18/2023

