



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

RECEIVED
 05/17/2024 12:27 PM

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 105443	NAME OF AGENCY RAYMORE POLICE DEPARTMENT	DATE OF INSPECTION 05/04/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 100 MUNICIPAL CIRCLE, RAYMORE		TIME OF INSPECTION 9:00 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 # 23180 EXP. DATE 05/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2256 SIM. NIST EXP DATE 10/04/2024

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 0.102

TEST 2 0.102

TEST 3 0.101

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)	1	(.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).

NONE.

INSPECTING OFFICER

SIGNATURE

PRINT NAME
THOMAS WILLIAMS

TYPE II PERMIT NUMBER/EXPIRATION DATE
230064 - 04/02/2025

TELEPHONE NUMBER
(816) 331-0530

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: 105443
Version no: 532B

TEST RECORD 01494

Temp Date Time ^{a/} 210L

Air Blank:
05/04/24 09:10 .000
Calibration Check:
22 05/04/24 09:10 .102

Subject Name

Maintenance 1

Subject I.D.

230064

Operator Name, I.D.

Thomas Williams

Location

Raymore PD

AS IV Serial no: 105443
Version no: 532B

TEST RECORD 01495

Temp Date Time ^{a/} 210L

Air Blank:
05/04/24 09:11 .000
Calibration Check:
22 05/04/24 09:11 .102

Subject Name

Maintenance 2

Subject I.D.

230064

Operator Name, I.D.

Thomas Williams

Location

Raymore PD

AS IV Serial no: 105443
Version no: 532B

TEST RECORD 01496

Temp Date Time ^{a/} 210L

Air Blank:
05/04/24 09:13 .000
Calibration Check:
23 05/04/24 09:13 .101

Subject Name

Maintenance 3

Subject I.D.

230064

Operator Name, I.D.

Thomas Williams

Location

Raymore PD

AS IV Serial no: 105443
Version no: 532B

TEST RECORD 01497

Temp Date Time ^{a/} 210L

VOID: RFI
12 05/04/24 09:14

Subject Name

Maintenance RFI

Subject I.D.

230064

Operator Name, I.D.

Thomas Williams

Location

Raymore PD



Paula Nickelson
 Acting Director

Michael L. Parson
 Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: SD2256 Manufacturer: Guth
 Model Number: 10-4D
 Agency: RAYMORE PD
 Agency Address: 100 MUNICIPAL CIRCLE, RAYMORE, MO 64083

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 Bias: 0.00
 Uncertainty: 0.02
 Date of Certification: 10/24/2022 Date of Expiration: 10/24/2023

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	33.98	.04

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 10/5/2023
 Certification Expiration: 10/5/2024
 Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO

Certification No: SD2256_1052023

X *Brianna Medrano*

DHSS BAP Scientist Approving



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 **23180** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **May 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1220%** (w/vol) ethyl alcohol. The expiration date for this lot number is **May 17, 2025** 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 FN11172002 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

2

PERMIT
TYPE II
THOMAS WILLIAMS

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, INTOX EC/IR II

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 4/2/2023

Mike Mason
 DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 230064

Daniel J. Nicholson
 DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 4/2/2025

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 WILLIAMS, THOMAS
 Permit No 230064
 Date Issued 4/2/2023 Date Expires 4/2/2025

