



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

**RECEIVED**  
 By Tracy Crews at 8:22 am, May 22, 2023

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 111660	NAME OF AGENCY Fredericktown Police Dept.	DATE OF INSPECTION 04/25/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 120 W. Main St. - Fredericktown		TIME OF INSPECTION 8:53 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 LOT # 22430 EXP. DATE 11/20/2024
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN MP 2936 SIM. NIST EXP DATE 01/30/2024
- 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 ← .102	TEST 2 ← .102	TEST 3 ← .100
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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)	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).

Adjusted calibration from .102 to .100. Rechecked and instrument is operating properly.

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME Michael Sletten
TYPE II PERMIT NUMBER/EXPIRATION DATE 220261 - 11/17/2024	TELEPHONE NUMBER (573) 783-3660

**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: 111660  
Version no: 532B

TEST RECORD 00750

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/25/23 10:05 .000  
Calibration:  
23 04/25/23 10:05 .098

Subject Name

ADJUSTMENT

Subject I.D.

MONTHLY MAINT.

Operator Name, I.D.

M. SLETTER - 220261

Location

FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00751

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/25/23 10:07 .000  
Calibration:  
24 04/25/23 10:07 .100

Subject Name

ADJUSTMENT

Subject I.D.

MONTHLY MAINT.

Operator Name, I.D.

M. SLETTER - 220261

Location

FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00744

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/25/23 08:53 .000  
Subject Test: Auto  
18 04/25/23 08:53 .000

Subject Name  
BLANK TEST

Subject I.D.  
MONTHLY MAINT.  
Operator Name, I.D.

W. SLETTEN - 220261  
Location  
FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00745

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/25/23 09:49 .000  
Calibration Check:  
18 04/25/23 09:49 .102

Subject Name  
SAMPLE TEST #1

Subject I.D.  
MONTHLY MAINT.  
Operator Name, I.D.

W. SLETTEN - 220261  
Location  
FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00746

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/25/23 09:51 .000  
Calibration Check:  
19 04/25/23 09:51 .102

Subject Name  
SAMPLE TEST #2

Subject I.D.  
MONTHLY MAINT.  
Operator Name, I.D.

W. SLETTEN - 220261  
Location  
FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00752

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/25/23 10:09 .000  
Calibration Check:  
25 04/25/23 10:09 .100

Subject Name TEST #3  
CALIBRATION CNK

Subject I.D.  
MONTHLY MAINT.  
Operator Name, I.D.

W. SLETTEN - 220261  
Location  
FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00753

Temp Date Time <sup>s/</sup> 210L

VOID: RFI  
12 04/25/23 10:23

Subject Name  
RFI CHECK

Subject I.D.  
MONTHLY MAINT.  
Operator Name, I.D.

W. SLETTEN - 220261  
Location  
FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

Last Calibration:  
04/25/23 10:07 .100

Test Results:  
00729 VOID: RFI  
12 03/27/23 08:49  
00.0 Lit. 00.0 Sec.  
00730 Calibration Check:  
21 03/27/23 08:51 .044  
00.0 Lit. 00.0 Sec.  
00731 Calibration Check:  
21 03/27/23 08:53 .044  
00.0 Lit. 00.0 Sec.  
00732 Calibration Check:  
22 03/27/23 08:54 .044  
00.0 Lit. 00.0 Sec.  
00733 Subject Test: Auto  
21 04/14/23 10:35 .000  
01.5 Lit. 04.1 Sec.  
00734 Subject Test: Auto  
23 04/14/23 10:37 .000  
01.5 Lit. 03.7 Sec.  
00735 Subject Test: Auto  
23 04/14/23 10:39 .000  
02.3 Lit. 07.0 Sec.  
00736 Subject Test: Auto  
24 04/14/23 10:41 .000  
01.6 Lit. 04.4 Sec.  
00737 VOID: RFI  
12 04/14/23 10:42  
00.0 Lit. 00.0 Sec.  
00738 Subject Test: Auto  
24 04/14/23 10:43 .000  
02.5 Lit. 07.0 Sec.  
00739 Subject Test: Auto  
23 04/14/23 18:17 .000  
02.6 Lit. 03.8 Sec.  
00740 Subject Test: Auto  
23 04/14/23 18:19 .000  
03.1 Lit. 04.5 Sec.  
00741 Subject Test: Auto  
23 04/14/23 18:20 .000  
03.6 Lit. 04.3 Sec.  
00742 Subject Test: Man  
24 04/14/23 18:22 .000  
00.0 Lit. 00.0 Sec.  
00743 Subject Test: Man  
24 04/14/23 18:23 .000  
00.0 Lit. 00.0 Sec.  
00744 Subject Test: Auto  
18 04/25/23 08:53 .000  
01.7 Lit. 03.5 Sec.  
00745 Calibration Check:

18 04/25/23 09:49 .102  
00.0 Lit. 00.0 Sec.  
00746 Calibration Check:  
19 04/25/23 09:51 .102  
00.0 Lit. 00.0 Sec.  
00747 VOID: TEMP LOW  
9 04/25/23 09:57  
00.0 Lit. 00.0 Sec.  
00748 VOID: TEMP LOW  
9 04/25/23 09:59  
00.0 Lit. 00.0 Sec.  
00749 VOID: TEMP LOW  
9 04/25/23 10:01  
00.0 Lit. 00.0 Sec.  
00750 Calibration:  
23 04/25/23 10:05 .098  
00.0 Lit. 00.0 Sec.  
00751 Calibration:  
24 04/25/23 10:07 .100  
00.0 Lit. 00.0 Sec.  
00752 Calibration Check:  
25 04/25/23 10:09 .100  
00.0 Lit. 00.0 Sec.



Paula Nickelson  
Acting Director

Michael L. Parson  
Governor

# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

Simulator Serial Number: MP2936      Manufacturer: Guth  
 Model Number: 12V500  
 Agency: FREDERICKTOWN PD  
 Agency Address: 120 W MAIN ST, FREDERICKTOWN, MO 63645

## 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	34.02	.04

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

## ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 1/30/2023  
 Certification Expiration: 1/30/2024  
 Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO

Certification No: MP2936\_1302023

**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 **22430** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 1, 2022**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1216%** (w/vol) ethyl alcohol. The expiration date for this lot number is **November 30, 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.*



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

2

**PERMIT  
 TYPE II**

**MICHAEL D. SLETTEN**

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 11/17/2022

*Mike Masaru*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 220261

*Dave F. Nielson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 11/17/2024

LAB-4 (RS-10)

MO 580-0771 (6-10)

 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 SLETTEN, MICHAEL  
 Permit No 220261  
 Date Issued 11/17/2022 Date Expires 11/17/2024

