



ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

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 01/25/2024
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LOCATION OF INSTRUMENT (STREET AND CITY) 120 W. Main St. - Fredericktown	TIME OF INSPECTION 8:35 am
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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

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>GUTH Laboratories</u> LOT # <u>23180</u> EXP. DATE <u>05/17/2025</u>	
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.0</u> SIM. SN <u>MP 2936</u> SIM. NIST EXP DATE <u>01/30/2024</u>	

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 ← .101	TEST 2 ← .100	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)	1	(.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).

Instrument is operating properly

INSPECTING OFFICER

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 00811

Temp	Date	Time	s/210L
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Air Blank:
01/25/24 08:35 .000
Subject Test: Auto
23 01/25/24 08:35 .000

Subject Name

BLANK TEST
Subject I.D.
MONTHLY MAINT.
Operator Name, I.D.
M. SLETTEN - 220261
Location
FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

TEST RECORD 00813

Temp	Date	Time	s/210L
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Air Blank:
01/25/24 08:41 .000
Calibration Check:
23 01/25/24 08:41 .101

Subject Name

SAMPLE TEST #1
Subject I.D.
MONTHLY MAINT.
Operator Name, I.D.
M. SLETTEN - 220261
Location
FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

TEST RECORD 00814

Temp	Date	Time	s/210L
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Air Blank:
01/25/24 08:42 .000
Calibration Check:
24 01/25/24 08:42 .100

Subject Name

SAMPLE TEST #2
Subject I.D.
MONTHLY MAINT.
Operator Name, I.D.
M. SLETTEN - 220261
Location
FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

TEST RECORD 00815

Temp	Date	Time	s/210L
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Air Blank:
01/25/24 08:44 .000
Calibration Check:
24 01/25/24 08:44 .100

Subject Name

SAMPLE TEST #3
Subject I.D.
MONTHLY MAINT.
Operator Name, I.D.
M. SLETTEN - 220261
Location
FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

TEST RECORD 00816

Temp	Date	Time	s/210L
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VOID: RFI
12 01/25/24 08:45

Subject Name

RFI CHECK
Subject I.D.
MONTHLY MAINT.
Operator Name, I.D.
M. SLETTEN - 220261
Location
FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

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

Test Results:
00009 VOID: INSF SAMP
6 12/24/23 14:38
00.0 Lit. 00.0 Sec.
00010 Subject Test: Man
23 12/24/23 14:40 .034
00.5 Lit. 02.9 Sec.
00011 Subject Test: Auto
23 01/25/24 08:35 .000
01.7 Lit. 04.9 Sec.
00012 Subject Test: Man
23 01/25/24 08:37 .000
00.0 Lit. 00.0 Sec.
00013 Calibration Check:
23 01/25/24 08:41 .101
00.0 Lit. 00.0 Sec.
00014 Calibration Check:
24 01/25/24 08:42 .100
00.0 Lit. 00.0 Sec.
00015 Calibration Check:
24 01/25/24 08:44 .100
00.0 Lit. 00.0 Sec.
00016 VOID: RFI
12 01/25/24 08:45
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 **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

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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

NUMBER 220261

EXPIRES 11/17/2024

Mike Masaru

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Paula J. Nicholson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R5-10)

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

