



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

RECEIVED
By Tracy Crews at 7:56 am, Nov 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 111660	NAME OF AGENCY Fredericktown Police Dept.	DATE OF INSPECTION 11/26/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 120 W. Main St. - Fredericktown		TIME OF INSPECTION 8:31 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

<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>22080</u> EXP. DATE <u>03/07/2024</u>
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.0</u>	SIM. SN <u>MP2936</u> SIM. NIST EXP DATE <u>01/27/2023</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 \Rightarrow .098	TEST 2 \Rightarrow .097	TEST 3 \Rightarrow .097
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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 time for daylight savings time.

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 00701

Temp Date Time ^{g/} 210L

Air Blank:
11/26/22 08:31 .000
Subject Test: Auto
20 11/26/22 08:31 .000

Subject Name

BLANK TEST

Subject I.D.

MONTHLY MAINT

Operator Name, I.D.

M. SLETTEN - 220201

Location

FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

TEST RECORD - REPRINT

TEST RECORD 00703

Temp Date Time ^{g/} 210L

Air Blank:
11/26/22 08:35 .000
Calibration Check:
22 11/26/22 08:35 .098

Subject Name

SAMPLE TEST #1

Subject I.D.

MONTHLY MAINT.

Operator Name, I.D.

M. SLETTEN - 220201

Location

FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

TEST RECORD 00704

Temp Date Time ^{g/} 210L

Air Blank:
11/26/22 08:37 .000
Calibration Check:
23 11/26/22 08:37 .097

Subject Name

SAMPLE TEST #2

Subject I.D.

MONTHLY MAINT.

Operator Name, I.D.

M. SLETTEN - 220201

Location

FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

TEST RECORD 00705

Temp Date Time ^{g/} 210L

Air Blank:
11/26/22 08:39 .000
Calibration Check:
23 11/26/22 08:39 .097

Subject Name

SAMPLE TEST #3

Subject I.D.

MONTHLY MAINT.

Operator Name, I.D.

M. SLETTEN - 220201

Location

FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

TEST RECORD 00706

Temp Date Time ^{g/} 210L

VOID: RFI
12 11/26/22 08:41

Subject Name

RFI CHECK

Subject I.D.

MONTHLY MAINT.

Operator Name, I.D.

M. SLETTEN - 220201

Location

FREDERICKTOWN PD

AS IV Serial no: 111660
Version no: 532B

Last Calibration:
11/25/19 15:36 .100

Test Results:

00696 Subject Test: Auto
20 10/31/22 10:52 .000
01.5 Lit. 03.7 Sec.
00697 Subject Test: Auto
20 10/31/22 10:53 .000
01.5 Lit. 03.5 Sec.
00698 Subject Test: Auto
21 10/31/22 10:54 .000
01.7 Lit. 03.6 Sec.
00699 Subject Test: Auto
21 10/31/22 10:56 .000
01.5 Lit. 03.5 Sec.
00700 Subject Test: Auto
22 10/31/22 10:57 .000
01.5 Lit. 02.8 Sec.
00701 Subject Test: Auto
20 11/26/22 08:31 .000
01.9 Lit. 03.8 Sec.
00702 Calibration Check:
21 11/26/22 08:34 .098
00.0 Lit. 00.0 Sec.
00703 Calibration Check:
22 11/26/22 08:35 .098
00.0 Lit. 00.0 Sec.
00704 Calibration Check:
23 11/26/22 08:37 .097
00.0 Lit. 00.0 Sec.
00705 Calibration Check:
23 11/26/22 08:39 .097
00.0 Lit. 00.0 Sec.
00706 VOID: RFI
12 11/26/22 08:41
00.0 Lit. 00.0 Sec.



Richard W. Moore
 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: 0.01
 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: 1/27/2022
 Certification Expiration: 1/27/2023
 Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO

Certification No: MP2936_1272022

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 **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.



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 Mason

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Dave F. Nicholson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

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

