



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

**RECEIVED**  
 By Tracy Crews at 10:13 am, Mar 27, 2021

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 03/26/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 120 W. Main St. - Fredericktown		TIME OF INSPECTION 3:59 pm

**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>20420</u> EXP. DATE <u>09/22/2022</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>02/02/2022</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  .100	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)	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).  
 Instrument is operating properly.

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME Sgt. Michael Sletten
TYPE II PERMIT NUMBER/EXPIRATION DATE 200271 - 10/19/2022	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 00585

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

Air Blank:  
03/26/21 15:59 .000  
Subject Test: Auto  
22 03/26/21 15:59 .000

Subject Name

BLANK TEST

Subject I.D.

MONTHLY MAINT.

Operator Name: I.D.

M. SLETTEN-200271

Location

FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00586

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

Air Blank:  
03/26/21 16:01 .000  
Calibration Check:  
23 03/26/21 16:01 .100

Subject Name

SAMPLE TEST #1

Subject I.D.

MONTHLY MAINT.

Operator Name: I.D.

M. SLETTEN-200271

Location

FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00587

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

Air Blank:  
03/26/21 16:02 .000  
Calibration Check:  
23 03/26/21 16:02 .100

Subject Name

SAMPLE TEST #2

Subject I.D.

MONTHLY MAINT.

Operator Name: I.D.

M. SLETTEN-200271

Location

FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00588

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

Air Blank:  
03/26/21 16:03 .000  
Calibration Check:  
24 03/26/21 16:03 .100

Subject Name

SAMPLE TEST #3

Subject I.D.

MONTHLY MAINT.

Operator Name: I.D.

M. SLETTEN-200271

Location

FREDERICKTOWN PD

AS IV Serial no: 111660  
Version no: 532B

TEST RECORD 00589

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

VOID: RFI  
12 03/26/21 16:05

Subject Name

SAMPLE-RFI CHECK

Subject I.D.

MONTHLY MAINT.

Operator Name: I.D.

M. SLETTEN-200271

Location

FREDERICKTOWN PD



# 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:                    11/6/2020      Date of Expiration:    11/6/2021

## 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:                            2/2/2021  
 Certification Expiration:                2/2/2022  
 Simulator testing technician: D. DEBOARD

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving:      B. LUTMER  
 Certification No:                            MP2936\_222021

X

DHSS BAP Scientist Approving



## GUTH LABORATORIES, INC.

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-8470

### CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 20420 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 23, 2020, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1208% (w/vol) ethyl alcohol. The expiration date for this lot number is September 22, 2022 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 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.*

AS IV Serial no: 111660  
Version no: 532B

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

Test Results:  
00574 VOID: RFI  
12 03/18/21 13:18  
00.0 Lit. 00.0 Sec.  
00575 Subject Test: Auto  
18 03/18/21 13:20 .000  
04.1 Lit. 07.2 Sec.  
00576 Subject Test: Auto  
18 03/18/21 13:21 .000  
02.0 Lit. 03.9 Sec.  
00577 Subject Test: Auto  
19 03/18/21 13:23 .000  
01.7 Lit. 03.3 Sec.  
00578 Subject Test: Auto  
19 03/18/21 13:24 .000  
04.7 Lit. 07.3 Sec.  
00579 Subject Test: Auto  
19 03/18/21 13:25 .000  
04.6 Lit. 06.8 Sec.  
00580 Subject Test: Auto  
21 03/19/21 09:56 .000  
01.9 Lit. 04.1 Sec.  
00581 Subject Test: Auto  
21 03/19/21 09:59 .000  
01.5 Lit. 03.1 Sec.  
00582 Subject Test: Auto  
22 03/19/21 10:02 .000  
02.8 Lit. 05.5 Sec.  
00583 Subject Test: Auto  
22 03/19/21 10:04 .000  
03.1 Lit. 05.4 Sec.  
00584 Subject Test: Auto  
22 03/19/21 10:07 .000  
02.6 Lit. 04.2 Sec.  
00585 Subject Test: Auto  
22 03/26/21 15:59 .000  
01.7 Lit. 03.6 Sec.  
00586 Calibration Check:  
23 03/26/21 16:01 .100  
00.0 Lit. 00.0 Sec.  
00587 Calibration Check:  
23 03/26/21 16:02 .100  
00.0 Lit. 00.0 Sec.  
00588 Calibration Check:  
24 03/26/21 16:03 .100  
00.0 Lit. 00.0 Sec.  
00589 VOID: RFI  
12 03/26/21 16:05  
00.0 Lit. 00.0 Sec.

TYPE III RENEWAL

TYPE III RENEWAL



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 10/19/2020

NUMBER 200271

EXPIRES 10/19/2022

10 580-0771 (8-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

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 200271  
 Date Issued 10/19/2020 Date Expires 10/19/2022