



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

**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 107460	PRINTER SN 099.3586.711	DATE OF INSPECTION 03/12/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 461 W. Arrow Marshall, Missouri 65340 (Marshall Missouri Police Department)		TIME OF INSPECTION 11:40 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**

- SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER Guth Laboratories LOT # 19370 EXP. DATE 12/09/2021
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 33.9 SIMULATOR SN MP4953 SIMULATOR EXP DATE 10/07/2020

- 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  .102
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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).

**INSPECTING OFFICER**

SIGNATURE <i>Joseph E. Valiquette</i>	PRINT NAME Joseph E. Valiquette
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TYPE II PERMIT NUMBER/EXPIRATION DATE 290294 12/18/2021	TELEPHONE NUMBER (660) 886-7411
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**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901



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

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**PERMIT**  
**TYPE II**  
**JOSEPH E VALIQUETTE**

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 DMT**

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 12/18/2019

NUMBER 290294

EXPIRES 12/18/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

 **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** VALIQUETTE, JOSEPH  
**Permit No** 290294  
**Date Issued** 12/18/2019 **Date Expires** 12/18/2021





## 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 19370 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on December 10, 2019, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1199% (w/vol) ethyl alcohol. The expiration date for this lot number is December 9, 2021 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 FN04271602 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.*



**Missouri Department of Health and Senior Services**  
 P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010  
 RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2866 VOICE 1-800-735-2466  
 Randall W. Williams, MD, FACOG  
 Director



Michael L. Parson  
 Governor

## SIMULATOR CERTIFICATION REPORT

### SIMULATOR INFORMATION

Simulator Serial Number: MP4953      Manufacturer: Guth  
 Model Number:                            12V500  
 Agency:                                    MARSHALL PD  
 Agency Address: 461 W ARROW, MARSHALL, MO 65340

### NIST THERMOMETER INFORMATION

Serial Number:                            17KMM00689      Bias:                    0.00  
 Uncertainty:                              0.02  
 Date of Certification:                    12/11/2018      Date of Expiration:    12/11/2019

### 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>
33.98	34.01	.06

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

### ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing:                            10/7/2019  
 Certification Expiration:                10/7/2020  
 Simulator testing technician: D DEBOARD

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving:      B. LUTMER  
 Certification No:                            MP4953\_1072019

X

DHSS BAP Scientist Approving

AS IV Serial no: 107460  
Version no: 532B

TEST RECORD 00722 s/  
Temp Date Time 210L

Air Blank:  
03/11/20 23:44 .000  
Calibration Check:  
26 03/11/20 23:44 .102

Subject Name  
VALQUETTE 140

Subject I.D.  
VALQUETTE 290294

Operator Name: I.D.  
Marshall PD

Location  
461 W. Arrow

Marshall, MO

AS IV Serial no: 107460  
Version no: 532B

TEST RECORD 00723 s/  
Temp Date Time 210L

VOID: RFI  
12 03/11/20 23:45

Subject Name  
VALQUETTE 140

Subject I.D.  
VALQUETTE 290294

Operator Name: I.D.  
Marshall PD

Location  
461 W. Arrow

Marshall, MO

AS IV Serial no: 107460  
Version no: 502B

TEST RECORD 00721  
Temp Date Time 210L

Air Blank:  
03/11/20 23:42 .000  
Calibration Check:  
25 03/11/20 23:42 .102

Subject Name

VALIQUETTE 140

Subject I.D.

VALIQUETTE 290294

Operator Name: I.D.

Marshall PD

Location

4161 W. Arrow

Marshall MO

AS IV Serial no: 107460  
Version no: 502B

TEST RECORD 00720  
Temp Date Time 210L

Air Blank:  
03/11/20 23:40 .000  
Calibration Check:  
25 03/11/20 23:40 .102

Subject Name

VALIQUETTE 140

Subject I.D.

VALIQUETTE 290294

Operator Name: I.D.

Marshall PD

Location

4161 W. Arrow

Marshall MO