



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

**RECEIVED**

By Tracy Crews at 2:56 pm, Oct 02, 2020

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<br>03079 | NAME OF AGENCY<br>Hazelwood Police Department | DATE OF INSPECTION<br>10/02/2020 |
|----------------------------|---|----------------------------------|

|  |                                |
|--|--------------------------------|
| LOCATION OF INSTRUMENT (STREET AND CITY)<br>415 Elm Grove Lane / Hazelwood | TIME OF INSPECTION<br>10:45 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, Inc LOT # 19370 EXP. DATE 12/09/2021

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.1 SIM. SN SD2742 SIM. NIST EXP DATE 07/15/2021

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 ← .103

TEST 2 ← .103

TEST 3 ← .103

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 |
|----------|---|---------|---|-----------|---|-----------|---|-----------|---|------------|---|

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).

Maint. September 2020

Simulator Solution Bottle Number 143

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
Michael A. Monticelli

TYPE II PERMIT NUMBER/EXPIRATION DATE  
280302 / 10/12/2020

TELEPHONE NUMBER  
(314) 838-5000

**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: 030791  
Version no: 5328

TEST RECORD 00623  
Temp Date Time 210L

Air Blank: 10/02/20 11:01 .000  
Calibration Check: 21 10/02/20 11:01 .100

Subject Name  
TEST #1  
Subject I.D.

Operator Name, I.D.  
MONTRELL 280302

Location  
HAZELWOOD BOT VAN

AS IV Serial no: 030791  
Version no: 5328

TEST RECORD 00624  
Temp Date Time 210L

Air Blank: 10/02/20 11:03 .000  
Calibration Check: 22 10/02/20 11:03 .100

Subject Name  
TEST #2  
Subject I.D.

Operator Name, I.D.  
MONTRELL 280302

Location  
HAZELWOOD BOT VAN

AS IV Serial no: 030791  
Version no: 5328

TEST RECORD 00625  
Temp Date Time 210L

Air Blank: 10/02/20 11:05 .000  
Calibration Check: 23 10/02/20 11:05 .100

Subject Name  
TEST #3  
Subject I.D.

Operator Name, I.D.  
MONTRELL 280302

Location  
HAZELWOOD BOT VAN

AS IV Serial no: 030791  
Version no: 5328

TEST RECORD 00626  
Temp Date Time 210L

VOI: RFI 12 10/02/20 11:06

Subject Name  
TEST #4  
Subject I.D.

Operator Name, I.D.  
MONTRELL 280302

Location  
HAZELWOOD BOT VAN

AS IV Serial no: 030791  
Version no: 5328

TEST RECORD 00627  
Temp Date Time 210L

Air Blank: 10/02/20 11:07 .000  
Subject Test: Auto 24 10/02/20 11:07 .000

Subject Name  
TEST #5  
Subject I.D.

Operator Name, I.D.  
MONTRELL 280302

Location  
HAZELWOOD BOT VAN



**GUTH LABORATORIES, INC.**

899 NORTH 67th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-664-6470

### CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 18370 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on December 6, 2018, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1218% (w/vol) ethyl alcohol. The expiration date for this lot number is December 5, 2020 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 Certified Reference Standard lot number XN04271602 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 670, Jefferson City, MO 65102-0670 Phone: 873-781-6400 FAX: 873-781-6010  
 RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2888 VOICE 1-800-735-2488



Randall W. Williams, MD, FACOG  
 Director

Michael L. Parson  
 Governor

## SIMULATOR CERTIFICATION REPORT

### SIMULATOR INFORMATION

Simulator Serial Number: SD2742      Manufacturer: Guth  
 Model Number: 10-4D  
 Agency: HAZELWOOD PD  
 Agency Address: 415 ELM GROVE LANE, HAZELWOOD, MO 63042

### NIST THERMOMETER INFORMATION

Serial Number: 19BMM01307      Bias: 0.00  
 Uncertainty: 0.02  
 Date of Certification: 6/1/2020      Date of Expiration: 6/1/2021

### 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                    | 33.95               | .11                         |

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

### ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 7/15/2020  
 Certification Expiration: 7/15/2021  
 Simulator testing technician: B. LUTMER

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER  
 Certification No: SD2742\_7152020

X

DHSS BAP Scientist Approving



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

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**PERMIT  
 TYPE II**

**MICHAEL A MONTICELLI**

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 EC/IR II**

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 10/12/2018

NUMBER 280302

EXPIRES 10/12/2020

MO 580-0771 (6-10)

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** MONTICELLI, MICHAEL  
**Permit No** 280302  
**Date Issued** 10/12/2018 **Date Expires** 10/12/2020

