



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

**RECEIVED**  
 By Tracy Crews at 10:06 am, Sep 02, 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 03079	NAME OF AGENCY Hazelwood Police Department	DATE OF INSPECTION 08/31/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 415 Elm Grove Ln. / Hazelwood, MO 63042		TIME OF INSPECTION 1:02 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, INC LOT # 21080 EXP. DATE 03/08/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.1 SIM. SN MP6029 SIM. NIST EXP DATE 07/19/2022

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 .101

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).

BA MAINT. 8/31/2021  
 Simulator Solution Bottle Number 461

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
Jason Corson

TYPE II PERMIT NUMBER/EXPIRATION DATE  
210057 / 4/6/2023

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: 532B

TEST RECORD 00709

Temp Date Time 210L

Air Blank: 08/31/21 12:26 .000

Calibration Check: 23 08/31/21 12:26 .102

Subject Name  
Test #1

Subject I.D.

Operator Name, I.D.  
Corson 210057

Hazelwood BAT

Location

Van

AS IV Serial no: 030791  
Version no: 532B

TEST RECORD 00710

Temp Date Time 210L

Air Blank: 08/31/21 12:28 .000

Calibration Check: 24 08/31/21 12:28 .102

Subject Name  
Test #2

Subject I.D.

Operator Name, I.D.  
Corson 210057

Hazelwood BAT

Location

Van

AS IV Serial no: 030791  
Version no: 532B

TEST RECORD 00711

Temp Date Time 210L

Air Blank: 08/31/21 12:30 .000

Calibration Check: 25 08/31/21 12:30 .101

Subject Name  
Test #3

Subject I.D.

Operator Name, I.D.  
Corson 210057

Hazelwood BAT

Location

Van

AS IV Serial no: 030791  
Version no: 532B

TEST RECORD 00712

Temp Date Time 210L

Air Blank: 08/31/21 12:32 .000

Subject Test: Auto 25 08/31/21 12:32 .000

Subject Name  
Test #4

Subject I.D.

Operator Name, I.D.  
Corson 210057

Blank Test

Location

Hazelwood BAT

Van

AS IV Serial no: 030791  
Version no: 532B

TEST RECORD 00713

Temp Date Time 210L

VOID: RFI  
12 08/31/21 12:33

Subject Name

Test #5

Subject I.D.

Corson 210057

Operator Name, I.D.

RFI Test

Location

Hazelwood BAT

Van



## 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 **21080** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 10, 2021**, 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 8, 2023** 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.*





**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 1-800-735-2966 VOICE 1-800-735-2466

**Robert J. Knodell**  
Acting Director



**Michael L. Parson**  
Governor

# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

**Simulator Serial Number:** MP6029      **Manufacturer:** Guth  
**Model Number:** 12V500  
**Agency:** HAZELWOOD PD  
**Agency Address:** 415 ELM GROVE LANE, HAZELWOOD, MO 63042

## 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	34.01	.03

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

## ADJUSTMENT RESULTS

No adjustment was needed.

**Date of testing:** 7/19/2021  
**Certification Expiration:** 7/19/2022  
**Simulator testing technician:** D. DEBOARD

**Notes on Condition:** none

**Deviation(s) from method:** none

**DHSS BAP Scientist Approving:** B. LUTMER

**Certification No:** MP6029\_7192021

X 

DHSS BAP Scientist Approving



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

2

**PERMIT**  
**TYPE II**  
**JASON CORSON**

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 4/6/2021

NUMBER 210057

EXPIRES 4/6/2023

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** CORSON, JASON  
**Permit No** 210057  
**Date Issued** 4/6/2021    **Date Expires** 4/6/2023

