



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

RECEIVED
 By Tracy Crews at 7:59 am, Nov 13, 2024

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 03791	NAME OF AGENCY Hazelwood Police Department	DATE OF INSPECTION 11/11/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 415 Elm Grove Ln, Hazelwood, MO 63042		TIME OF INSPECTION 19:18

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 # 23390 EXP. DATE 10/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.01 SIM. SN MP6029 SIM. NIST EXP DATE 08/02/2025

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 ← .098	TEST 2 ← .098	TEST 3 ← .099
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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-.04)	(.05-.09)	(.10-.14)	(.15-.19)	(OVER .19)
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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 Maintenance November 2024
 Simulator Bottle # 1556

INSPECTING OFFICER

SIGNATURE 507	PRINT NAME Daniel Johnston
TYPE II PERMIT NUMBER/EXPIRATION DATE 230242 / 10-31-2025	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 00069 s/

Temp Date Time 210L
Air Blank: 11/11/24 19:18 .000
Calibration Check: 21 11/11/24 19:18 .098

Subject Name
TEST #1

Subject I.D.
Daniel Johnston

Operator Name, I.D.
230242

Location
HPD BAT Van

AS IV Serial no: 030791
Version no: 532B

TEST RECORD 00070 s/

Temp Date Time 210L
Air Blank: 11/11/24 19:20 .000
Calibration Check: 22 11/11/24 19:20 .098

Subject Name
TEST #2

Subject I.D.
Daniel Johnston

Operator Name, I.D.
230242

Location
HPD BAT Van

AS IV Serial no: 030791
Version no: 532B

TEST RECORD 00071 s/

Temp Date Time 210L
Air Blank: 11/11/24 19:22 .000
Calibration Check: 23 11/11/24 19:22 .099

Subject Name
TEST #3

Subject I.D.
Daniel Johnston

Operator Name, I.D.
230242

Location
HPD BAT Van

AS IV Serial no: 030791
Version no: 532B

TEST RECORD 00072 s/

Temp Date Time 210L
VOII: RFI 12 11/11/24 19:23

Subject Name
RFI Test

Subject I.D.
Daniel Johnston

Operator Name, I.D.
230242

Location
HPD BAT Van

AS IV Serial no: 030791
Version no: 532B

TEST RECORD 00073 s/

Temp Date Time 210L
Air Blank: 11/11/24 19:24 .000
Subject Test: Auto 24 11/11/24 19:24 .000

Subject Name
Self Test

Subject I.D.
Daniel Johnston

Operator Name, I.D.
230242

Location
HPD 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 **23390** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **October 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1207%** (w/vol) ethyl alcohol. The expiration date for this lot number is **October 17, 2025** 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 FN03072301 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.



Paula Nickelson
 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: 10/27/2023 Date of Expiration: 10/27/2024

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>
34.01	34.01	.02

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 8/2/2024
 Certification Expiration: 8/2/2025
 Simulator testing technician: M. BOND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
 Certification No: MP6029_822024

X *Brianna Medrano*

DHSS BAP Scientist Approving

RECEIVED

By Tracy Crews at 5:43 am, Nov 12, 2024



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

2

PERMIT
TYPE II

DANIEL JOHNSTON

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 10/31/2023

NUMBER 230242

EXPIRES 10/31/2025

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (5-10)

LAB 4 (PB-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: JOHNSTON, DANIEL
Permit No: 230242
Date Issued: 10/31/2023 Date Expires: 10/31/2025