



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 111748	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 02/26/2025
LOCATION OF INSTRUMENT (STREET AND CITY) 1810 Selmore Blvd, Ozark MO 65721		TIME OF INSPECTION 10:54 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 LOT # 23390 EXP. DATE 10/17/2025
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.00 SIM. SN MP2466 SIM. NIST EXP DATE 12/04/2025
- 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 ← 0.099	TEST 2 ← 0.099	TEST 3 ← 0.098
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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).

March Maintenance

INSPECTING OFFICER

SIGNATURE 	PRINT NAME Jackson D. Hood
TYPE II PERMIT NUMBER/EXPIRATION DATE 230167 08/07/2025	TELEPHONE NUMBER (417) 895-8686

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: 111748
Version no: 532B

TEST RECORD 00292

Temp	Date	Time	s/ 210L
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Air Blank:
02/26/25 10:54 .000
Calibration Check:
18 02/26/25 10:54 .099

Subject Name

Test #1

Subject I.D.

Operator Name, I.D.

Hood 230167

Location

1810 Selmore Blvd

Ozark, Mo 65721

AS IV Serial no: 111748
Version no: 532B

TEST RECORD 00294

Temp	Date	Time	s/ 210L
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Air Blank:
02/26/25 10:57 .000
Calibration Check:
19 02/26/25 10:57 .099

Subject Name

Test #2

Subject I.D.

Operator Name, I.D.

Hood 230167

Location

1810 Selmore Blvd

Ozark Mo 65721

AS IV Serial no: 111748
Version no: 532B

TEST RECORD 00296

Temp	Date	Time	s/ 210L
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Air Blank:
02/26/25 11:01 .000
Calibration Check:
20 02/26/25 11:01 .098

Subject Name

Test #3

Subject I.D.

Operator Name, I.D.

Hood 230167

Location

1810 Selmore Blvd

Ozark Mo 65721

AS IV Serial no: 111748
Version no: 532B

TEST RECORD 00293

Temp	Date	Time	s/ 210L
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VOID: RFI
12 02/26/25 10:55

Subject Name

Test RFI

Subject I.D.

Operator Name, I.D.

Hood 230167

Location

1810 Selmore Blvd

Ozark, Mo 65721



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.



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



PERMIT
TYPE II
JACKSON HOOD

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 8/7/2023

Mike Mason

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 230167

Douglas J. Nickelson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 8/7/2025

MO 580-0771 (6-10)

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 HOOD, JACKSON
Permit No 230167
Date Issued 8/7/2023 Date Expires 8/7/2025

