



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

RECEIVED
 By Tracy Crews at 10:03 am, Oct 04, 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 111664	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 10/03/2024
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LOCATION OF INSTRUMENT (STREET AND CITY) Kimberling City Zone 21 Office	TIME OF INSPECTION 11:07 am
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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 SIM. SN MP2307 SIM. NIST EXP DATE 12/05/2024

- 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 • .100	TEST 2 • .100	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	(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).

This instrument is operating within Department of Health Standards.

 .10% solution used

INSPECTING OFFICER	
SIGNATURE <i>Andrew B. Ward</i>	PRINT NAME Andrew B. Ward
TYPE II PERMIT NUMBER/EXPIRATION DATE 220285 12/21/2024	TELEPHONE NUMBER (417) 895-6868

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

664
Version no: 532B

TEST RECORD 00316

Temp Date Time ^{s/} 210L

Air Blank:
10/03/24 11:07 .000
Calibration Check:
24 10/03/24 11:07 .100

Subject Name
ANDREW WARD

Subject I.D.
ANDREW WARD 804

Operator Name, I.D.
MAINT CHECK

Location
KL ZONE 21
OFFICE

AS IV Serial no: 111664
Version no: 532B

TEST RECORD 00317

Temp Date Time ^{s/} 210L

Air Blank:
10/03/24 11:11 .000
Calibration Check:
24 10/03/24 11:11 .100

Subject Name
ANDREW WARD

Subject I.D.
ANDREW WARD 806

Operator Name, I.D.
MAINT CHECK

Location
KL ZONE 21
OFFICE

AS IV Serial no: 111664
Version no: 532B

TEST RECORD 00319

Temp Date Time ^{s/} 210L

Air Blank:
10/03/24 11:18 .000
Calibration Check:
25 10/03/24 11:18 .099

Subject Name
ANDREW WARD

Subject I.D.
ANDREW WARD 804

Operator Name, I.D.
MAINT CHECK

Location
KL ZONE 21
OFFICE

AS IV Serial no: 111664
Version no: 532B

TEST RECORD 00320

Temp Date Time ^{s/} 210L

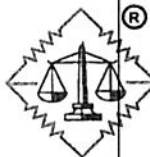
VOID: RFI
12 10/03/24 11:19

Subject Name
ANDREW WARD

Subject I.D.
ANDREW WARD 806

Operator Name, I.D.
MAINT CHECK

Location
ZONE 21 OFFICE
KL



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

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PERMIT
TYPE II
ANDREW B. WARD

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

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 12/21/2022

NUMBER 220285

EXPIRES 12/21/2024

Mike Mason

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Dave F. Nielsen

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

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 WARD, ANDREW
Permit No 220285
Date Issued 12/21/2022 **Date Expires** 12/21/2024

