



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

RECEIVED

By Tracy Crews at 8:48 am, Aug 09, 2023

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 111333	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 07/11/2023
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LOCATION OF INSTRUMENT (STREET AND CITY) 2201 I-70 Drive NW, Columbia	TIME OF INSPECTION 10:14 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 RepCo Marketing Co. LOT # 23180 EXP. DATE 05/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.00 SIM. SN MP2480 SIM. NIST EXP DATE 11-22-2023

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 ← .098%

TEST 3 ← .099%

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) 1 | (.10-.14) 2 | (.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).

INSPECTING OFFICER

SIGNATURE *Tpr. G. Ayres* #217

PRINT NAME Tpr. G. Ayres

TYPE II PERMIT NUMBER/EXPIRATION DATE 210182 / 08-16-2023

TELEPHONE NUMBER (573) 751-1000

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: 111333
Version no: 532B

TEST RECORD 00967

Temp	Date	Time	s/ 210L
Air Blank:			
	07/11/23	10:14	.000
Calibration Check:			
17	07/11/23	10:14	.100

Subject Name

TEST #1

Subject I.D.

1 2 3 4

Operator Name, I.D.

Ayres 210182

Location

2201 I-70 DR NW

COLUMBIA, MO

AS IV Serial no: 111333
Version no: 532B

TEST RECORD 00968

Temp	Date	Time	s/ 210L
Air Blank:			
	07/11/23	10:16	.000
Calibration Check:			
19	07/11/23	10:16	.098

Subject Name

TEST #2

Subject I.D.

1 2 3 4

Operator Name, I.D.

Ayres 210182

Location

2201 I-70 DR NW

COLUMBIA, MO

AS IV Serial no: 111333
Version no: 532B

TEST RECORD 00969

Temp	Date	Time	s/ 210L
Air Blank:			
	07/11/23	10:17	.000
Calibration Check:			
19	07/11/23	10:17	.099

Subject Name

TEST #3

Subject I.D.

1 2 3 4

Operator Name, I.D.

Ayres 210182

Location

2201 I-70 DR NW

COLUMBIA, MO

AS IV Serial no: 111333
Version no: 532B

TEST RECORD 00970

Temp	Date	Time	s/ 210L
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VOID: RFI

12 07/11/23 10:19

Subject Name

RFI

Subject I.D.

1 2 3 4

Operator Name, I.D.

Ayres 210182

Location

2201 I-70 DR NW

COLUMBIA, MO



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 **23180** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **May 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1220%** (w/vol) ethyl alcohol. The expiration date for this lot number is **May 17, 2025** at 11:59 PM.

When used in a calibrated Simulator, operating at $34^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$, 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 FN1172002 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

2

PERMIT
TYPE II
GRANT A. AYRES

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 8/16/2021

NUMBER 210182

EXPIRES 8/16/2023

MO 580-0771 (6-10)

Laura G. Way

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Rob Kuehl

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 AYRES, GRANT
 Permit No 210182
 Date Issued 8/16/2021 Date Expires 8/16/2023

