



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
 STATE PUBLIC HEALTH LABORATORY
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 111330	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 11/26/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 2920 N. Shamrock Road Jefferson City MO		TIME OF INSPECTION 11:16 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 Laboratories LOT # 23390 EXP. DATE 10/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.01 SIM. SN MP2419 SIM. NIST EXP DATE 11/05/2025

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 \leftarrow .101

TEST 2 \leftarrow 0.100

TEST 3 \leftarrow 0.099

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	2	(0-.04)	0	(.05-.09)	0	(.10-.14)	2	(.15-.19)	2	(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).

INSPECTING OFFICER

SIGNATURE

PRINT NAME
Ryan L. Hutton

TYPE II PERMIT NUMBER EXPIRATION DATE
240150 07/09/2026

TELEPHONE NUMBER
(573) 751-9943

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: 111330
Version no: 532B

TEST RECORD 00879

Temp Date Time 210L

9/

Air Blank:
11/26/24 12:47 .000
Calibration Check:
13 11/26/24 12:47 .101

Subject Name

R.L. HUTTON

Subject I.D.

R. HUTTON TEST 1

Operator Name, I.D.

240150 7-9-26

Location

TRAP F

AS IV Serial no: 111330
Version no: 532B

TEST RECORD 00880

Temp Date Time 210L

9/

Air Blank:
11/26/24 12:49 .000
Calibration Check:
14 11/26/24 12:49 .100

Subject Name

R.L. HUTTON

Subject I.D.

R. HUTTON TEST 2

Operator Name, I.D.

240150 7-9-26

Location

TRAP F

AS IV Serial no: 111330
Version no: 532B

TEST RECORD 00881

Temp Date Time 210L

9/

Air Blank:
11/26/24 12:50 .000
Calibration Check:
15 11/26/24 12:50 .099

Subject Name

R.L. HUTTON

Subject I.D.

R. HUTTON TEST 3

Operator Name, I.D.

240150 7-9-26

Location

TRAP F

AS IV Serial no: 111330
Version no: 532B

TEST RECORD 00882

Temp Date Time 210L

9/

NO B: TIME OUT
5 11/26/24 12:53

Subject Name

R.L. HUTTON

Subject I.D.

R.L. HUTTON

Operator Name, I.D.

TIME OUT @ 240150

Location

7-9-26

AS IV Serial no: 111330
Version no: 532B

TEST RECORD 00883

Temp Date Time 210L

9/

CID: RFI
2 11/26/24 12:54

Subject Name

R.L. HUTTON #190

Subject I.D.

R. HUTTON TEST 3

Operator Name, I.D.

240150 7-9-26

Location

TRAP F

RFI CHECK



GUTH LABORATORIES, INC.

690 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.