



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 097445	NAME OF AGENCY Missouri State Park Rangers	DATE OF INSPECTION 09/03/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 403 Highway 134 Kaiser, MO 65047		TIME OF INSPECTION 14:10

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

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER Guth	LOT # 20420 EXP. DATE 09/22/2022
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.01	SIM. SN MP4942 SIM. NIST EXP DATE 03/09/2022

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 ← .101	TEST 3 ← .100
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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) 1	(.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).

INSPECTING OFFICER	
SIGNATURE <i>Tyler S. Roby</i>	PRINT NAME Tyler S. Roby
TYPE II PERMIT NUMBER/EXPIRATION DATE 200057; 01/10/2022	TELEPHONE NUMBER (573) 508-2311

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: 097445
Version no: 532B

TEST RECORD 00670

Temp	Date	Time	s/ 210L
Air Blank:			
	09/03/21	14:14	.000
Calibration Check:			
	21 09/03/21	14:14	.100

Subject Name

Test

Subject I.D.

Test 1

Operator Name, I.D.

Tyler Roby, 200057

Location

Lake Ozark

State Park

AS IV Serial no: 097445
Version no: 532B

TEST RECORD 00671

Temp	Date	Time	s/ 210L
Air Blank:			
	09/03/21	14:15	.000
Calibration Check:			
	21 09/03/21	14:15	.101

Subject Name

Test

Subject I.D.

Test 2

Operator Name, I.D.

Tyler Roby, 200057

Location

Lake Ozark

State Park

AS IV Serial no: 097445
Version no: 532B

TEST RECORD 00672

Temp	Date	Time	s/ 210L
Air Blank:			
	09/03/21	14:17	.000
Calibration Check:			
	22 09/03/21	14:17	.100

Subject Name

Test

Subject I.D.

Test 3

Operator Name, I.D.

Tyler Roby, 200057

Location

Lake Ozark

State Park

AS IV Serial no: 097445
Version no: 532B

TEST RECORD 00673

Temp	Date	Time	s/ 210L
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VOID: RFI

12 09/03/21 14:18

Subject Name

Test - RFI

Subject I.D.

Test 4 - RFI

Operator Name, I.D.

Tyler Roby, 200057

Location

Lake Ozark

State Park



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 **21080** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 10, 2021**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1214%** (w/vol) ethyl alcohol. The expiration date for this lot number is **March 8, 2023** 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 FN03052002 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.



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CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **20420** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **September 23, 2020**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1208%** (w/vol) ethyl alcohol. The expiration date for this lot number is **September 22, 2022** 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 FN03052002 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
TYLER ROBY

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 1/10/2020

NUMBER 200057

EXPIRES 1/10/2022

MO 580-0771 (6-10)



DIRECTOR OF STATE PUBLIC HEALTH LABORATORY



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 **ROBY, TYLER**
Permit No **200057**
Date Issued **1/10/2020** Date Expires **1/10/2022**

