



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 108392	PRINTER SN 099,3586,814	DATE OF INSPECTION 11/30/2022
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LOCATION OF INSTRUMENT (STREET AND CITY) 5490 5th St. Cottleville MO 63304	TIME OF INSPECTION 9:36 pm
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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 # 2310 EXP. DATE 08/11/2024

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34C SIMULATOR SN MP4952 SIMULATOR EXP DATE 07/12/2023

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 → .099

TEST 2 → .099

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)	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).

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME

Richard Phillips

TYPE II PERMIT NUMBER/EXPIRATION DATE

200079 02-06-2022

TELEPHONE NUMBER

(636) 498-6464

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901

AS IV Serial no: 108392  
Version no: 532B

AS IV Serial no: 108392  
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AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00811

TEST RECORD 00812

TEST RECORD 00813

Temp	Date	Time	210L
Air Blank:			
	11/30/22	21:26	.000
Calibration Check:			
	22 11/30/22	21:26	.099

Temp	Date	Time	210L
Air Blank:			
	11/30/22	21:27	.000
Calibration Check:			
	22 11/30/22	21:27	.099

Temp	Date	Time	210L
Air Blank:			
	11/30/22	21:29	.000
Calibration Check:			
	23 11/30/22	21:29	.099

Subject Name  
TEST 1  
Subject I.D.

Subject Name  
TEST 2  
Subject I.D.

Subject Name  
TEST 3  
Subject I.D.

Operator Name, I.D.  
R PHILLIPS 408  
Location  
BOOKING ROOM

Operator Name, I.D.  
R PHILLIPS 408  
Location  
BOOKING ROOM

Operator Name, I.D.  
R PHILLIPS 408  
Location  
BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00815

TEST RECORD 00814

Temp	Date	Time	210L
Air Blank:			
	11/30/22	21:32	.000
Subject Test: Auto			
	25 11/30/22	21:32	.000

Temp	Date	Time	210L
VOID: RFI			
	12 11/30/22	21:31	

Subject Name  
2520 TEST  
Subject I.D.

Subject Name  
RFI TEST  
Subject I.D.

Operator Name, I.D.  
R PHILLIPS 408  
Location  
BOOKING ROOM

Operator Name, I.D.  
R PHILLIPS 408  
Location  
BOOKING ROOM

Operator Name, I.D.  
R PHILLIPS 408  
Location  
BOOKING ROOM

Operator Name, I.D.  
R PHILLIPS 408  
Location  
BOOKING ROOM

**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 **22310** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **August 16, 2022**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1205%** (w/vol) ethyl alcohol. The expiration date for this lot number is **August 11, 2024** 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.*



Missouri Department of Health and Senior Services
P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466



Paula Nickelson
Acting Director

Michael L. Parson
Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP4952 Manufacturer: Guth
Model Number: 12V500
Agency: COTTLEVILLE PD
Agency Address: 5377 STATE HIGHWAY N, COTTLEVILLE, MO 63304

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 Bias: 0.01
Uncertainty: 0.02
Date of Certification: 11/10/2021 Date of Expiration: 11/10/2022

ENVIRONMENTAL CONDITIONS

The environmental conditions during testing are within the tolerances of DHSS BAP method 3.

VERIFICATION RESULTS

Table with 3 columns: Simulator Average (33.99), NIST Average (34.00), Combined Uncertainty (.03)

The combined uncertainty is calculated with a k=2 value.

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 7/12/2022
Certification Expiration: 7/12/2023
Simulator testing technician: M. BOND

Notes on Condition: none
Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
Certification No: MP4952\_7122022

X [Signature]

DHSS BAP Scientist Approving



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



**PERMIT  
TYPE II**

**RICHARD PHILLIPS**

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 4/14/2022

NUMBER 220110

EXPIRES 4/14/2024

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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 from expired air in Missouri.*

Operator PHILLIPS, RICHARD  
Permit No 220110  
Date Issued 4/14/2022 Date Expires 4/14/2024

