


 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 12/20/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 5490 5th St. Cottleville MO 63304		TIME OF INSPECTION 3:55 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 # 19370 EXP. DATE 12/09/2021
 SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34C SIMULATOR SN MP4952 SIMULATOR EXP DATE 07/14/2021
 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

 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) 0	(.05-.09) 1	(.10-.14) 0	(.15-.19) 1	(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

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

TEST RECORD 00691

Temp	Date	Time	W/
	12/20/20	03:53	.000
	21	12/20/20 03:53	.100

Air Blank:  
12/20/20 03:53 .000  
Calibration Check:  
21 12/20/20 03:53 .100

Subject Name  
TEST 1

Subject I.D.  
200079

Operator Name, I.D.  
R PHILLIPS 468

Location  
BOOKING ROOM

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

TEST RECORD 00692

Temp	Date	Time	W/
	12/20/20	03:55	.000
	21	12/20/20 03:55	.100

Air Blank:  
12/20/20 03:55 .000  
Calibration Check:  
21 12/20/20 03:55 .100

Subject Name  
TEST 2

Subject I.D.  
200079

Operator Name, I.D.  
R PHILLIPS 468

Location  
BOOKING ROOM

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

TEST RECORD 00693

Temp	Date	Time	W/
	12/20/20	03:56	.000
	22	12/20/20 03:56	.099

Air Blank:  
12/20/20 03:56 .000  
Calibration Check:  
22 12/20/20 03:56 .099

Subject Name  
TEST 3

Subject I.D.  
200079

Operator Name, I.D.  
R PHILLIPS 468

Location  
BOOKING ROOM

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

TEST RECORD 00694

Temp	Date	Time	W/
	12	12/20/20 03:57	

VOID: RFI  
12 12/20/20 03:57

Subject Name  
RFI TEST

Subject I.D.  
200079

Operator Name, I.D.  
R PHILLIPS 468

Location  
BOOKING ROOM

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

TEST RECORD 00695

Temp	Date	Time	W/
	12/20/20	03:59	.000
	23	12/20/20 03:59	.000

Air Blank:  
12/20/20 03:59 .000  
Subject Test: Auto  
23 12/20/20 03:59 .000

Subject Name  
ZERO TEST

Subject I.D.  
200079

Operator Name, I.D.  
R PHILLIPS 468

Location  
BOOKING ROOM



Missouri Department of Health and Senior Services
P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-8010
RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466
Randall W. Williams, MD, FACOG
Director



Michael L. Parson
Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP4952 Manufacturer: Guth
Model Number: 12V500
Agency: COTTLEVILLE PD
Agency Address: 5490 FIFTH STREET, COTTLEVILLE, MO 63304

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00689 Bias: 0.00
Uncertainty: 0.02
Date of Certification: 1/23/2020 Date of Expiration: 1/23/2021

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: 7/14/2020
Certification Expiration: 7/14/2021
Simulator testing technician: D. DEBOARD

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER
Certification No: MP4952\_7142020

X [Signature]

DHSS BAP Scientist Approving

**GUTH LABORATORIES, INC.**

580 NORTH 67TH STREET ■ HARRISBURG, PA 17111-4611 • TELEPHONE: 717-564-5470

**CERTIFICATE OF ANALYSIS****Certified Alcohol Reference Solution for Simulator**

Random Samples of Lot Number **19370** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 10, 2019**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1199%** (w/vol) ethyl alcohol. The expiration date for this lot number is **December 9, 2021** 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 FN04271602 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



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 2/6/2020

NUMBER 200079

EXPIRES 2/6/2022

MD 590-0771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (FB-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 PHILLIPS, RICHARD  
Permit No 200079  
Date Issued 2/6/2020 Date Expires 2/6/2022

