



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 08/21/2016
LOCATION OF INSTRUMENT (STREET AND CITY) 5490 5th Street, Cottleville, Missouri 63304		TIME OF INSPECTION 8:20 pm

**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, INC LOT # 15120 EXP. DATE 04/29/2017

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34C SIMULATOR SN SD2588 SIMULATOR EXP DATE 02/17/2017

- 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 $\rightarrow$ .103	TEST 2 $\rightarrow$ .103	TEST 3 $\rightarrow$ .102
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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	1	(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 DSN 468
TYPE II PERMIT NUMBER/EXPIRATION DATE 260102 02/22/2018	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

**GUTH LABORATORIES, INC.**

690 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-694-6470

**CERTIFICATE OF ANALYSIS**

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 15120 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on May 4, 2015, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1209% (w/vol) ethyl alcohol. The expiration date for this lot number is April 29, 2017 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 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 FN08051301 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.*

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00253

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
08/21/16 20:23 .000  
Calibration Check:  
24 08/21/16 20:23 .102

Subject Name

TEST 3

Subject I.D.

260102

Operator Name, I.D.

R. PHILLIPS 468

Location

COTTLEVILLE PD

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00252

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
08/21/16 20:22 .000  
Calibration Check:  
23 08/21/16 20:22 .103

Subject Name

TEST 2

Subject I.D.

260102

Operator Name, I.D.

R. PHILLIPS 468

Location

COTTLEVILLE PD

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00251

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
08/21/16 20:20 .000  
Calibration Check:  
22 08/21/16 20:20 .103

Subject Name

TEST 1

Subject I.D.

260102

Operator Name, I.D.

R. PHILLIPS 468

Location

COTTLEVILLE PD

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00255

Temp Date Time <sup>s/</sup> 210L

VOID: RFI  
12 08/21/16 20:26

Subject Name

TEST 5 RFI

Subject I.D.

260102

Operator Name, I.D.

R. PHILLIPS 468

Location

COTTLEVILLE PD

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00254

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
08/21/16 20:25 .000  
Subject Test: Auto  
24 08/21/16 20:25 .000

Subject Name

TEST 4

Subject I.D.

260102

Operator Name, I.D.

R. PHILLIPS 468

Location

COTTLEVILLE PD



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 308.111 through 308.119 RSMo.

DATE 2/22/2016

NUMBER 260102

EXPIRES 2/22/2018

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 660-0771 (6-10)

LAD-4 (06-10)

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

**INSTRUMENT OPERATOR CARD**

*This 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 **260102**  
Date Issued **2/22/2016** Date Expires **2/22/2018**



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 1-800-735-2986 VOICE 1-800-735-2468  
 Peter Lyskowski  
 Director



Jeromiah W. (Jay) Nixon  
 Governor

# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

Simulator Serial Number: SD2588      Manufacturer: Gurh  
 Model Number: 10-4D  
 Agency: COTTLEVILLE PD  
 Agency Address: 5490 FIFTH STREET , COTTLEVILLE, MO 63304

## NIST THERMOMETER INFORMATION

Serial Number: 358440      Bias: 0.00  
 Uncertainty: 0.02  
 Date of Certification: 9/8/2015      Date of Expiration: 9/8/2016

## ENVIRONMENTAL CONDITIONS

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

## VERIFICATION RESULTS

<u>Simulator Average</u>	<u>NIST Average</u>	<u>Combined Uncertainty</u>
34.00	33.99	0.02

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

## ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 2/17/2016  
 Certification Expiration: 2/17/2017  
 Simulator testing technician: R. WELSH

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: ELLEN STRAWSINE  
 Certification No: SD2588\_2172016

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DHSS BAP Scientist Approving