



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 STATE PUBLIC HEALTH LABORATORY  
**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

RECEIVED 1/18/14-CD

**REVIEWED** REPORT #7  
 By Carol Day at 12:20 pm, Apr 08, 2014

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 102472	PRINTER SN 08C.3556.272	DATE OF INSPECTION 01/14/2014
LOCATION OF INSTRUMENT (STREET AND CITY) Greene County Sheriff's Office 1010 North Boonville Avenue, Springfield, MO 65802		TIME OF INSPECTION 2:29 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 Labs LOT # 13010 EXP. DATE 01/09/2015

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD 2219 SIMULATOR EXP DATE 05/20/2014

- 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 $\Rightarrow$ .099	TEST 2 $\Rightarrow$ .099	TEST 3 $\Rightarrow$ .099
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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)	(.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).

Replaced 9 Volt Battery

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Christopher M. Sowards
TYPE # PERMIT NUMBER/EXPIRATION DATE 230126 06/12/2015	TELEPHONE NUMBER (417) 868-4040

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 17111-3611 • TELEPHONE: 717-222-5200

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13290 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on October 31, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 61019030209, and found to contain 0.1202% (w/vol) ethyl alcohol. The expiration date for this lot number is October 29, 2015 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 VN12211-02 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.*



**GUTH LABORATORIES, INC.**

590 NORTH 87th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-664-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13010 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on January 14, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1218% (w/vol) ethyl alcohol. The expiration date for this lot number is January 9, 2015 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 FN122211-02 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: 102472  
Version no: 004C

TEST RECORD 00835

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

Air Blank:  
01/14/14 14:30 .000  
Calibration Check:  
27 01/14/14 14:30 .099

Subject Name

Test 1

Subject I.D.

Sowards, Christopher M.  
Operator Name, I.D.

230128  
Location

GCS6

AS IV Serial no: 102472  
Version no: 004C

TEST RECORD 00836

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

Air Blank:  
01/14/14 14:31 .000  
Calibration Check:  
28 01/14/14 14:31 .099

Subject Name

Test 2

Subject I.D.

Sowards, Christopher M.  
Operator Name, I.D.

230128  
Location

GCS6

AS IV Serial no: 102472  
Version no: 004C

TEST RECORD 00837

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

Air Blank:  
01/14/14 14:32 .000  
Calibration Check:  
28 01/14/14 14:32 .099

Subject Name

Test 3

Subject I.D.

Sowards, Christopher M.  
Operator Name, I.D.

230128  
Location

GCS6

AS IV Serial no: 102472  
Version no: 004C

TEST RECORD 00839

Temp Date Time 210L

Air Blank:  
01/14/14 14:35 .000  
Subject Test: Auto  
29 01/14/14 14:35 .000

Subject Name

Blank Test

Subject I.D.

Sowards, Christopher M.

Operator Name, I.D.

230126

Location

GCSU

AS IV Serial no: 102472  
Version no: 004C

TEST RECORD 00838

Temp Date Time 210L

Void: RFI  
12 01/14/14 14:33

Subject Name

RFI Check

Subject I.D.

Sowards, Christopher M.

Operator Name, I.D.

230126

Location

GCSU



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



**PERMIT**  
**TYPE II**

**CHRISTOPHER M SOWARDS**

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

**DATAMASTER, ALCO-SENSOR IV W/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 06/12/2013

NUMBER 230126

EXPIRES 06/12/2015

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Acting Director

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES