



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 11/05/2015
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LOCATION OF INSTRUMENT (STREET AND CITY) 5490 5th Street, Cottleville, Missouri 63304	TIME OF INSPECTION 5:07 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, INC LOT # 15120 EXP. DATE 04/29/2017

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34C SIMULATOR SN SD2588 SIMULATOR EXP DATE 03/30/2016

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  .101      TEST 2  .101      TEST 3  .101

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).

AS-IV came back from Missouri Safety Center due to repairs needed. Conducted a Monthly Maintenance at Cottleville Police Department after shipment. AS-IV is back in service.

Nothing further.

**INSPECTING OFFICER**

SIGNATURE ▶	PRINT NAME Jamil E. Snodgrass, 440
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TYPE II PERMIT NUMBER/EXPIRATION DATE 250067/03/25/2017	TELEPHONE NUMBER (636) 498-6464
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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.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4811 • TELEPHONE: 717-694-8470

**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

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

TEST RECORD 00207

TEST RECORD 00206

TEST RECORD 00205

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

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

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

Air Blank:  
02/02/16 17:10 .000  
Calibration Check:  
24 02/02/16 17:10 .101

Air Blank:  
02/02/16 17:08 .000  
Calibration Check:  
23 02/02/16 17:08 .101

Air Blank:  
02/02/16 17:07 .000  
Calibration Check:  
22 02/02/16 17:07 .101

Subject Name  
Test 3  
Subject I.D.

Subject Name  
Test 2  
Subject I.D.

Subject Name  
Test 1  
Subject I.D.

Operator Name, I.D.  
J. Snodgrass, 440  
Location

Operator Name, I.D.  
J. Snodgrass, 440  
Location

Operator Name, I.D.  
J. Snodgrass, 440  
Location

Cottleville P.O.

Cottleville P.O.

Cottleville P.O.

AS IV Serial no: 108392  
Version no: 532B  
TEST RECORD 00208

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

VOIP: RFI  
12 02/02/16 17:11

Subject Name

Subject I.D.

Operator Name, I.D.

J. Snodgrass, 440  
Location

Cottleville P.O.



### Simulator Calibration Report

This calibration report is to certify the alcohol refueling simulator standard below has been examined and tested using standards traceable to the National Institute of Standards and Technology (NIST) in accordance with the standards set by the Missouri Department of Health and Senior Services Rules and Regulations 19 CSR 25-80.051 (4).

Client Name: AgriSpec Simulators  
Client Address: 1100 West Ave. West 2400  
Address: Oshtemo Park East SD 2500  
**TESTING LABORATORY**

Technician Printed Name: DAN LUCAS

Technician Signature: [Signature]

Date: 02/30/2015

Corporate Affiliation: Service Center  
Address: At end of Instrumentation Facility

