



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

RECEIVED

By Carol Day at 9:20 am, Feb 10, 2014

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 102468	PRINTER SN 095-3583-748	DATE OF INSPECTION 02/08/2014
LOCATION OF INSTRUMENT (STREET AND CITY) CHARLACK POLICE DEPARTMENT 8401 MIDLAND BLVD. CHARLACK, MO. 63114		TIME OF INSPECTION 0:39 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) 22°C

PRINTER WORKING PROPERLY

TIME AND DATE DISPLAYING PROPERLY

**BREATH ALCOHOL ACCURACY STANDARDS**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER GUTH LABORATORIES LOT # 13210 EXP. DATE 07/29/2015

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2760 SIMULATOR EXP DATE 01/28/2015

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 → 0.099

TEST 2 → 0.099

TEST 3 → 0.099

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)	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 cfc	PRINT NAME CPL. ERIC SONTHEIMER #64
TYPE II PERMIT NUMBER/EXPIRATION DATE 220434 EXP. DATE 12/27/2014	TELEPHONE NUMBER (314) 427-4715

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.**

150 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-664-6470

**CERTIFICATE OF ANALYSIS**

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13210 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on July 31, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1216% (w/vol) ethyl alcohol. The expiration date for this lot number is July 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 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: 102468  
Version no: 004C

TEST RECORD 00567

Temp Date Time 210L

Air Blank:  
02/08/14 00:39 .000

Calibration Check:  
22 02/08/14 00:39 .099

Subject Name  
SIMULATION

Subject I.D.

Operator Name, I.D.  
CVC [Signature]

Location  
C/D

AS IV Serial no: 102468  
Version no: 004C

TEST RECORD 00568

Temp Date Time 210L

Air Blank:  
02/08/14 00:40 .000

Calibration Check:  
23 02/08/14 00:40 .099

Subject Name  
SIMULATION

Subject I.D.

Operator Name, I.D.  
CVC [Signature]

Location  
C/D

AS IV Serial no: 102468  
Version no: 004C

TEST RECORD 00570

Temp Date Time 210L

Void: RFI  
12 02/08/14 00:43

Subject Name  
SIMULATION

Subject I.D.

Operator Name, I.D.  
CVC [Signature]

Location  
C/D

AS IV Serial no: 102468  
Version no: 004C

TEST RECORD 00569

Temp Date Time 210L

Air Blank:  
02/08/14 00:42 .000

Calibration Check:  
24 02/08/14 00:42 .099

Subject Name  
SIMULATION

Subject I.D.

Operator Name, I.D.  
CVC [Signature]

Location  
C/D

State of Missouri  
DEPARTMENT OF HEALTH



P E R M I T  
TYPE II



ERIC C SONTHEIMER

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

ALCO-SENSOR IV W/PRINTER

for the determination of the alcoholic content of blood from a sample of expired (alveolar) air. Issued under the provisions of sections 577.020 through 577.041, RSMo 1986.

Date 12/27/2012

Number 220434

Expires 12/27/2014

MO 580-0771 (7-88)

Director of State Public Health Laboratory

ACTING DIRECTOR

Director, Department of Health

Lab. 4 (R7-88)