



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

**RECEIVED** REPORT #7  
 By Carol Day at 3:17 pm, May 12, 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 087969	PRINTER SN 08C.3527.186	DATE OF INSPECTION 05/05/2014
-----------------------------	----------------------------	----------------------------------

LOCATION OF INSTRUMENT (STREET AND CITY) 107 W Main St, Smithville	TIME OF INSPECTION 2:47 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 # 13100 EXP. DATE 04/23/2015
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 C SIMULATOR SN DR5390 SIMULATOR EXP DATE 07/10/2014

- 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  .101	TEST 2  .102	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	1	(0-.04)	1	(.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 Kathryn E Ford
TYPE II PERMIT NUMBER/EXPIRATION DATE 240200 04-30-2016	TELEPHONE NUMBER (816) 532-0500

**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

#1

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 00982

Temp Date Time 210L

Air Blank:  
05/05/14 02:47 .000  
Calibration Check:  
25 05/05/14 02:47 .101

Subject Name

Monthly maint.  
Subject I.D.

Operator Name, I.D.

K. Ford #268, 240200  
Location  
Smithville PD

#2

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 00983

Temp Date Time 210L

Air Blank:  
05/05/14 02:49 .000  
Calibration Check:  
25 05/05/14 02:49 .102

Subject Name

Monthly maint.  
Subject I.D.

Operator Name, I.D.

K. Ford #268, 240200  
Location  
Smithville PD

#3

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 00984

Temp Date Time 210L

Air Blank:  
05/05/14 02:54 .000  
Calibration Check:  
25 05/05/14 02:54 .101

Subject Name

Monthly maint.  
Subject I.D.

Operator Name, I.D.

K. Ford #268, 240200  
Location  
Smithville PD

RFI

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 00985

Temp Date Time 210L

Void: RFI  
12 05/05/14 02:57

Subject Name

Monthly maint.  
Subject I.D.

RFI Test

Operator Name, I.D.

K. Ford #240200

Location

Smithville PD



**GUTH LABORATORIES, INC.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13100 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on April 29, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1214% (w/vol) ethyl alcohol. The expiration date for this lot number is April 23, 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.*



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

2

PERMIT  
TYPE II

KATHRYN E FORD

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, INTOX EC/IR II**

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 4/30/2014

NUMBER 240200

EXPIRES 4/30/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)



**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 FORD, KATHRYN  
Permit No 240200  
Date Issued 4/30/2014 Date Expires 4/30/2016