



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

**RECEIVED**  
By Carol Day at 8:27 am, Dec 31, 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 097425	PRINTER SN 096.3580.866	DATE OF INSPECTION 12/31/2014
LOCATION OF INSTRUMENT (STREET AND CITY) Troop F Headquarters, Jefferson City, Missouri		TIME OF INSPECTION 1:53 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, Inc. LOT # 13280 EXP. DATE 10/16/2015
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.01 SIMULATOR SN CD05457 SIMULATOR EXP DATE 06/03/2015

- 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 ← .098	TEST 2 ← .101	TEST 3 ← .100
---------------	---------------	---------------

- 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
----------	---	---------	---	-----------	---	-----------	---	-----------	---	------------	---

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).

<b>INSPECTING OFFICER</b>	
SIGNATURE <i>T.R. Dowd</i>	PRINT NAME Trooper R.R. Dowd
TYPE II PERMIT NUMBER/EXPIRATION DATE 240272 / 06-13-2016	TELEPHONE NUMBER (573) 751-1000

**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

AS IV Serial no: 097425  
Version no: 004C

TEST RECORD 00278

Temp Date Time 210L

Air Blank:  
12/31/14 01:53 .000  
Calibration Check:  
25 12/31/14 01:53 .098

Subject Name  
TEST #1

Subject I.D.  
TPR RR Dowd

Operator Name, I.D.  
932

Location  
TROOP F HQ

AS IV Serial no: 097425  
Version no: 004C

TEST RECORD 00279

Temp Date Time 210L

Air Blank:  
12/31/14 01:55 .000  
Calibration Check:  
26 12/31/14 01:55 .101

Subject Name  
TEST #2

Subject I.D.  
TPR RR Dowd

Operator Name, I.D.  
932

Location  
TROOP F HQ

AS IV Serial no: 097425  
Version no: 004C

TEST RECORD 00280

Temp Date Time 210L

Air Blank:  
12/31/14 01:57 .000  
Calibration Check:  
26 12/31/14 01:57 .100

Subject Name  
TEST #3

Subject I.D.  
TPR RR Dowd

Operator Name, I.D.  
932

Location  
TROOP F HQ

AS IV Serial no: 097425  
Version no: 004C

TEST RECORD 00282

Temp Date Time 210L

Void: RFI  
12 12/31/14 02:01

Subject Name  
RFI TEST

Subject I.D.  
TPR RR Dowd

Operator Name, I.D.  
932

Location  
TROOP F HQ



**GUTH LABORATORIES, INC.**

890 NORTH 57th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-564-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **13280** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **October 18, 2013**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1217%** (w/vol) ethyl alcohol. The expiration date for this lot number is **October 16, 2015** at 11:59 PM.

When used in a calibrated Simulator, operating at  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L  $\pm$  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**  
**RICHARD R DOWD**

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, INTOX DMT, 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 6/13/2014

NUMBER 240272

EXPIRES 6/13/2016

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 permit 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 DOWD, RICHARD  
 Permit No 240272  
 Date issued 6/13/2014 Date Expires 6/13/2016