



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

**RECEIVED**

By Carol Day at 6:27 am, Feb 13, 2015

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 030788 PRINTER SN 84.9324.157 DATE OF INSPECTION 02/05/2015

LOCATION OF INSTRUMENT (STREET AND CITY) 400 First St Hillsboro TIME OF INSPECTION 2:15 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 Lab LOT # 14110 EXP. DATE 05/01/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34° SIMULATOR SN SDB022 SIMULATOR EXP DATE 03/20/2015

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 .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

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 Dep. R. Beattie

PRINT NAME Dep. Richard Beattie

TYPE II PERMIT NUMBER/EXPIRATION DATE 290268 06/12/2016

TELEPHONE NUMBER 636 797-5000

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 17111-4511 • TELEPHONE: 717-564-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 14110 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on May 5, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1206% (w/vol) ethyl alcohol. The expiration date for this lot number is May 1, 2016 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: 030788  
Version no: 532B

TEST RECORD 00074 s/

Temp Date Time 210L  
Air Blank: 02/05/15 23:28 .000  
Calibration Check: 22 02/05/15 23:28 .101

Subject Name  
Test #2  
Subject I.D.

Operator Name, I.D.  
Dep J. Beattie 197  
Location  
400 First St  
Hillsboro, Mo 6305

AS IV Serial no: 030788  
Version no: 532B

TEST RECORD 00075 s/

Temp Date Time 210L  
Air Blank: 02/05/15 23:32 .000  
Calibration Check: 23 02/05/15 23:32 .101

Subject Name  
Test #2  
Subject I.D.

Operator Name, I.D.  
Dep J. Beattie 197  
Location  
400 First St  
Hillsboro, Mo 63050

AS IV Serial no: 030788  
Version no: 532B

TEST RECORD 00076 s/

Temp Date Time 210L  
Air Blank: 02/05/15 23:35 .000  
Calibration Check: 23 02/05/15 23:35 .101

Subject Name  
Test #3  
Subject I.D.

Operator Name, I.D.  
Dep J. Beattie 197  
Location  
400 First St  
Hillsboro, Mo 63050

AS IV Serial no: 030788  
Version no: 532B

TEST RECORD 00077 s/

Temp Date Time 210L  
VOID: RFI 12 02/05/15 23:36

Subject Name  
RFI Test  
Subject I.D.

Operator Name, I.D.  
Dep J. Beattie 197  
Location  
400 First St  
Hillsboro, Mo 63050



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

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**PERMIT**  
**TYPE II**

**RICHARD BEATTIE**

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 EC/IR II, 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 6/12/2014

NUMBER 240268

EXPIRES 6/12/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)

MO 580-0771 (6-10)

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 BEATTIE, RICHARD  
 Permit No 240268  
 Date Issued 6/12/2014 Date Expires 6/12/2016