



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

**RECEIVED**

By Carol Day at 3:23 pm, Feb 19, 2016

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 02/12/2016
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LOCATION OF INSTRUMENT (STREET AND CITY) 400 First Street Hillsboro, Mo. 63050	TIME OF INSPECTION 9:45 am
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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 Lab LOT # 15120 EXP. DATE 04/29/2017
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2222 SIMULATOR EXP DATE 03/05/2016

- 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 → .100	TEST 2 → .101	TEST 3 → .101
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- 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)	0	(.05-.09)	0	(.10-.14)	3	(.15-.19)	1	(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).

Instrument Operates within the guidelines set forth by the Dept. of Health and Senior Services

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Cpl. Brian Taylor #365
TYPE II PERMIT NUMBER/EXPIRATION DATE 240139/04-03-2016	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



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

2

**PERMIT**  
**TYPE II**  
**BRIAN R TAYLOR**

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 4/3/2014

NUMBER 240139

EXPIRES 4/3/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (16-10)

**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 TAYLOR, BRIAN  
 Permit No 240139  
 Date Issued 4/3/2014 Date Expires 4/3/2016

AS 1U Serial no: 030788  
Version no: 532B

TEST RECORD 00125

Temp Date Time 210L S/

Air Blank: 02/12/16 09:57 .000

Calibration Check: 24 02/12/16 09:57 .101

Subject Name

Test 3

Subject I.D.

Operator Name: I.D.

Location: Cpl Brian Taylor 365

400 First St

Hillsboro, mo 63050

AS 1U Serial no: 030788  
Version no: 532B

TEST RECORD 00124

Temp Date Time 210L S/

Air Blank: 02/12/16 09:55 .000

Calibration Check: 24 02/12/16 09:55 .101

Subject Name

Test 2

Subject I.D.

Operator Name: I.D.

Location: Cpl Brian Taylor 365

400 First St

Hillsboro, mo 63050

AS 1U Serial no: 030788  
Version no: 532B

TEST RECORD 00123

Temp Date Time 210L S/

Air Blank: 02/12/16 09:53 .000

Calibration Check: 23 02/12/16 09:53 .100

Subject Name

Test 1

Subject I.D.

Operator Name: I.D.

Location: Cpl Brian Taylor 365

460 First St

Hillsboro, mo 63050

AS 1U Serial no: 030788  
Version no: 532B

TEST RECORD 00127

Temp Date Time 210L S/

VOID: REF 12 02/12/16 10:00

Subject Name

RPI Test

Subject I.D.

Operator Name: I.D.

Location: Cpl Brian Taylor

400 First St

Hillsboro, mo 63050



**GUTH LABORATORIES, INC.**

690 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 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.*