



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

**RECEIVED**

REPORT #7

By Carol Day at 2:32 pm, Jan 06, 2015

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 107993	PRINTER SN 099.3586.836	DATE OF INSPECTION 01/03/2015
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LOCATION OF INSTRUMENT (STREET AND CITY) 9623 St Charles Rock Road, St Louis MO - Breckenridge Hills PD	TIME OF INSPECTION 9:13 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 Laboratories Inc. LOT # 14200 EXP. DATE 08/05/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2309 SIMULATOR EXP DATE 06/02/2015

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  .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	1	(.0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	1
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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).

**INSPECTING OFFICER**

SIGNATURE  
*Brian Keller*

PRINT NAME  
Brian Keller

TYPE II PERMIT NUMBER/EXPIRATION DATE  
240276 - 06/13/16

TELEPHONE NUMBER  
(314) 426-1214

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.**

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 14200 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on August 6, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1213% (w/vol) ethyl alcohol. The expiration date for this lot number is August 5, 2016 at 11:59 PM.

When used in a calibrated Simulator, operating at  $34^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$ , 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.*

AS IV Serial no: 107993  
Version no: 532B

TEST RECORD 00141

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
01/03/15 09:28 .000  
Calibration Check:  
25 01/03/15 09:28 .100

Subject Name  
MAINTENANCE

Subject I.D.  
PO Bz # 277

Operator Name, I.D.  
9623 MO-180

Location  
St Louis MO 63114

AS IV Serial no: 107993  
Version no: 532B

TEST RECORD 00142

Temp Date Time <sup>9/</sup> 210L

VOID: RFI  
12 01/03/15 09:31

Subject Name  
MAINTENANCE

Subject I.D.  
PO Bz # 277

Operator Name, I.D.  
9623 MO-180

Location  
St Louis MO 63114

AS IV Serial no: 107993  
Version no: 532B

TEST RECORD 00140

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
01/03/15 09:24 .000  
Calibration Check:  
24 01/03/15 09:24 .101

Subject Name  
MAINTENANCE

Subject I.D.  
PO Bz # 277

Operator Name, I.D.  
9623 MO-180

Location  
St Louis MO 63114

AS IV Serial no: 107993  
Version no: 532B

TEST RECORD 00139

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
01/03/15 09:22 .000  
Calibration Check:  
23 01/03/15 09:22 .101

Subject Name  
MAINTENANCE

Subject I.D.  
PO Bz # 277

Operator Name, I.D.  
9623 MO-180

Location  
St Louis MO 63114



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



**PERMIT**  
**TYPE II**

**BRIAN P KELLER**

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**

(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 240276

EXPIRES 6/13/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO-8890721(010)

(LAB-4.108-10)



**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 **KELLER, BRIAN**  
Permit No **240276**  
Date Issued **6/13/2014** Date Expires **6/13/2016**