



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

**RECEIVED**  
 By Carol Day at 11:32 am, Jul 29, 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 <u>St. Louis County</u> <u>107974 - Police Department</u>	PRINTER SN <u>099.3586.828</u>	DATE OF INSPECTION <u>07-25-2014</u>
LOCATION OF INSTRUMENT (STREET AND CITY) <u>MODOT T.M.C. - 14301 South Outer 40 Road, Tower Country, MO 63017</u>		TIME OF INSPECTION <u>17:08</u>

**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) 25°C

PRINTER WORKING PROPERLY

TIME AND DATE DISPLAYING PROPERLY

**BREATH ALCOHOL ACCURACY STANDARDS**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER Both Laboratories LOT # 14030 EXP. DATE 01-20-16

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C SIMULATOR SN SD2289 SIMULATOR EXP DATE 07-17-15

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 = .100

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 4 (0-.04) — (0.05-.09) — (0.10-.14) 3 (0.15-.19) 1 (OVER .19) —

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).

Calibration

**INSPECTING OFFICER**

SIGNATURE  
P. Rose

PRINT NAME  
Officer D. Rose, DSN 2721

TYPE II PERMIT NUMBER/EXPIRATION DATE  
230253 / 11-12-2015

TELEPHONE NUMBER  
(314) 889-2341

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: 107974  
Version no: 532B

TEST RECORD 00035

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

Air Blank:  
07/25/14 17:08 .000  
Calibration Check:  
25 07/25/14 17:08 .101

Subject Name

N/A

Subject I.D.

N/A

Operator Name, I.D.

ROSC 2721

Location

MODOT TMC

AS IV Serial no: 107974  
Version no: 532B

TEST RECORD 00036

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

Air Blank:  
07/25/14 17:10 .000  
Calibration Check:  
25 07/25/14 17:10 .100

Subject Name

N/A

Subject I.D.

N/A

Operator Name, I.D.

ROSC 2721

Location

MODOT TMC

AS IV Serial no: 107974  
Version no: 532B

TEST RECORD 00037

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

Air Blank:  
07/25/14 17:11 .000  
Calibration Check:  
25 07/25/14 17:11 .100

Subject Name

N/A

Subject I.D.

N/A

Operator Name, I.D.

ROSC 2721

Location

MODOT TMC

AS IV Serial no: 107974  
Version no: 532B

TEST RECORD 00038

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

VOID: RFI  
12 07/25/14 17:12

Subject Name

N/A

Subject I.D.

N/A

Operator Name, I.D.

ROSC 2721

Location

MODOT TMC



## 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 14030 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on January 22, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1215% (w/vol) ethyl alcohol. The expiration date for this lot number is January 20, 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.*



## Simulator Calibration Report

This calibration report is to certify the alcohol reference simulator listed below has been examined and tested using standards traceable to the National Institute of Standards and Technology (NIST) in accordance with the standards set by the Missouri Department of Health and Senior Services Rules and Regulations:

19 CSR 25-30.051 (4).



Technician Printed Name: Donald D. DeBoard

Technician Signature: *Donald D. DeBoard*

Date: 7-17-2014

Contact: Missouri Safety Center

Breath-Alcohol Instrument Training Program

660-543-4834



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



**PERMIT  
TYPE II**

**DAVID M ROSE**

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 11/12/2013

NUMBER 230253

EXPIRES 11/12/2015

MO 580-0771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

,acting director

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)