



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

RECEIVED
 By Carol Day at 10:42 am, Apr 01, 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 102464 | PRINTER SN 08C.3527.166 | DATE OF INSPECTION 04/01/2014 |
| LOCATION OF INSTRUMENT (STREET AND CITY) 1 Paul Parks Dr. St. Clair | | TIME OF INSPECTION 4:03 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 LOT # 13280 EXP. DATE 10/16/2015
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN: SD2740 SIMULATOR EXP DATE 12/11/2014

- 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 ← .102 |
|---------------|---------------|---------------|

- 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) | 1 | (.15-.19) | 1 | (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).

Temperature of Alco-Sensor IV was 24 Degrees Celsius. Instrument within specifications of the Missouri Department of Health.

| | |
|---|------------------------------------|
| INSPECTING OFFICER | |
| SIGNATURE <i>John Sikes</i> | PRINT NAME John Sikes |
| TYPE II PERMIT NUMBER/EXPIRATION DATE 220433/ 12/27/2014 | TELEPHONE NUMBER (636) 629-1313 |

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 **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 $0.100 \text{ g}/210\text{L} \pm 3\%$.

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.

Test 1

AS IV Serial no: 102464
Version no: 004C

TEST RECORD 00676 %/

Temp Date Time 210L

Air Blank: 04/01/14 04:12 .000
Calibration Check: 24 04/01/14 04:12 .101

Subject Name

Subject I.D.

Operator Name, I.D.

Location

Test 2

AS IV Serial no: 102464
Version no: 004C

TEST RECORD 00677 %/

Temp Date Time 210L

Air Blank: 04/01/14 04:13 .000
Calibration Check: 24 04/01/14 04:13 .101

Subject Name

Subject I.D.

Operator Name, I.D.

Location

Test 3

AS IV Serial no: 102464
Version no: 004C

TEST RECORD 00678 %/

Temp Date Time 210L

Air Blank: 04/01/14 04:14 .000
Calibration Check: 24 04/01/14 04:14 .102

Subject Name

Subject I.D.

Operator Name, I.D.

Location

RFI

AS IV Serial no: 102464
Version no: 004C

TEST RECORD 00679 %/

Temp Date Time 210L

Void: RFI 12 04/01/14 04:16

Subject Name

Subject I.D.

Operator Name, I.D.

Location

State of Missouri
DEPARTMENT OF HEALTH



P E R M I T
TYPE II



JOHN R SIKES

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field repairs, and operate the following breath analyzer(s):

ALCO-SENSOR IV W/PRINTER

for the determination of the alcoholic content of blood from a sample of expired (alveolar) air. Issued under the provisions of sections 577.020 through 577.041, RSMo 1986.

Date 12/27/2012

Number 220433

Expires 12/27/2014

MO 580-0771 (7-88)

Director of State Public Health Laboratory

ACTING DIRECTOR

Director, Department of Health

Lab. 4 (R7-88)