



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

RECEIVED
 By Carol Day at 12:43 pm, Jun 03, 2014

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 108266	PRINTER SN 099.3586.822	DATE OF INSPECTION 06/03/2014
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LOCATION OF INSTRUMENT (STREET AND CITY) 600 E. Walnut, Columbia	TIME OF INSPECTION 7:40 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

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>Guth Labs</u>	LOT # <u>14110</u> EXP. DATE <u>05/01/2016</u>
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.0</u>	SIMULATOR SN <u>SD2761</u> SIMULATOR EXP DATE <u>01/07/2015</u>

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 ➔ .102	TEST 3 ➔ .103
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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	0	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(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).

INSPECTING OFFICER	
SIGNATURE 	PRINT NAME Nathan Turner
TYPE II PERMIT NUMBER/EXPIRATION DATE 220411 12/20/2014	TELEPHONE NUMBER (573) 874-7652

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 87th 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 $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$, 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: 108266
Version no: 532B

TEST RECORD 00055

Temp Date Time ^{s/} 210L

Air Blank:
06/03/14 07:41 .000
Calibration Check:
26 06/03/14 07:41 .102

Subject Name

Test

Subject I.D.

Operator Name, I.D.

Turner 1985

Location

CPD

AS IV Serial no: 108266
Version no: 532B

TEST RECORD 00057

Temp Date Time ^{s/} 210L

VOID: RFI
12 06/03/14 07:43

Subject Name

Test

Subject I.D.

Operator Name, I.D.

Turner 1985

Location

CPD

AS IV Serial no: 108266
Version no: 532B

TEST RECORD 00056

Temp Date Time ^{s/} 210L

Air Blank:
06/03/14 07:42 .000
Calibration Check:
26 06/03/14 07:42 .103

Subject Name

Test

Subject I.D.

Operator Name, I.D.

Turner 1985

Location

CPD

AS IV Serial no: 108266
Version no: 532B

TEST RECORD 00054

Temp Date Time ^{s/} 210L

Air Blank:
06/03/14 07:40 .000
Calibration Check:
25 06/03/14 07:40 .101

Subject Name

Test

Subject I.D.

Operator Name, I.D.

Turner 1985

Location

CPD