



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

RECEIVED
 By Carol Day at 12:54 pm, Aug 16, 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 035714	PRINTER SN 092.3576.249	DATE OF INSPECTION 08/14/2016
LOCATION OF INSTRUMENT (STREET AND CITY) 203 Veterans Memorial Parkway Wright City		TIME OF INSPECTION 0:29 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 # 16080 EXP. DATE 03/07/2018

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2745 SIMULATOR EXP DATE 04/27/2017

- 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 .103	TEST 2 .102	TEST 3 .102
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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)	1	(.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 Chris Beard
TYPE II PERMIT NUMBER/EXPIRATION DATE 260212/ 05/03/2018	TELEPHONE NUMBER (636) 745-3541

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 1U Serial no: 035714
Version no: 532B

TEST RECORD 00520

Temp Date Time 210L
s/

Air Blank: 08/14/16 00:29 .000
Calibration Check: 23 08/14/16 00:29 .103

Subject Name
Test 1
Subject I.D.

Operator Name, I.D.
Beard 210212
Location

AS 1U Serial no: 035714
Version no: 532B

TEST RECORD 00521

Temp Date Time 210L
s/

Air Blank: 08/14/16 00:31 .000
Calibration Check: 24 08/14/16 00:31 .102

Subject Name
test 2
Subject I.D.

Operator Name, I.D.
Beard 210212
Location

AS 1U Serial no: 035714
Version no: 532B

TEST RECORD 00522

Temp Date Time 210L
s/

Air Blank: 08/14/16 00:34 .000
Calibration Check: 25 08/14/16 00:34 .102

Subject Name
test 3
Subject I.D.

Operator Name, I.D.
Beard 210212
Location

AS 1U Serial no: 035714
Version no: 532B

TEST RECORD 00523

Temp Date Time 210L
s/

VOID: RFI
12 08/14/16 00:36

Subject Name
RFI test
Subject I.D.

Operator Name, I.D.
Beard 210212
Location



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 **16080** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 9, 2016**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1210%** (w/vol) ethyl alcohol. The expiration date for this lot number is **March 7, 2018** 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 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.