



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED
By Carol Day at 4:25 pm, Apr 23, 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 097438	PRINTER SN 096.3680.921	DATE OF INSPECTION 04/22/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 700 WEST MAIN, WILLOW SPRINGS		TIME OF INSPECTION 3:50 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) 25
- PRINTER WORKING PROPERLY
- TIME AND DATE DISPLAYING PROPERLY 04/22/14 03:50

BREATH ALCOHOL ACCURACY STANDARDS

- SIMULATOR SOLUTION COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER Guth Labs LOT # 13280 EXP. DATE 10/16/2015
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0c SIMULATOR SN SD2239 SIMULATOR EXP DATE 06/06/2014

- 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 ← .099	TEST 2 ← .100	TEST 3 ← .100
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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).

Software chip update to version 532b

INSPECTING OFFICER	
SIGNATURE 	PRINT NAME Bryan Wickham
TYPE II PERMIT NUMBER/EXPIRATION DATE 220146 06/25/2014	TELEPHONE NUMBER (417) 469-3158

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: 717-664-5470

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°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.

AS IU Serial no: 057438
Version no: 532R

TEST RECORD 00025 %/
Temp Date Time 210L
VOID: PFI
12 04/22/14 03:56

Subject Name

Subject I.D.

Operator Name, I.D.

B. WICKHAM 405
Location

AS IU Serial no: 057438
Version no: 532B

TEST RECORD 00024 %/
Temp Date Time 210L
Air Blank:
04/22/14 03:55 .000
Calibration Check:
26 04/22/14 03:55 .100

Subject Name

Subject I.D.

Operator Name, I.D.

B. WICKHAM 405
Location

AS IU Serial no: 057438
Version no: 532B

TEST RECORD 00023 %/
Temp Date Time 210L
Air Blank:
04/22/14 03:52 .000
Calibration Check:
26 04/22/14 03:52 .100

Subject Name

Subject I.D.

Operator Name, I.D.

B. WICKHAM 405
Location

AS IU Serial no: 057438
Version no: 532R

TEST RECORD 00022 %/
Temp Date Time 210L
Air Blank:
04/22/14 03:50 .000
Calibration Check:
25 04/22/14 03:50 .099

Subject Name

Subject I.D.

Operator Name, I.D.

B. WICKHAM 405
Location

State of Missouri
DEPARTMENT OF HEALTH



PERMIT
TYPE II



BRYAN WICKHAM

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 1988.

Date 06/25/2012

Number 220146

Expires 06/25/2014

MO 590-0771 (7-85)

Director of State Public Health Laboratory

Director, Department of Health

Lab. 4 (R7-88)