



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

REPORT #7

RECEIVED
 By Carol Day at 10:06 am, Jun 22, 2015

Complete this report in duplicate at the time of the regular monthly preventative maintenance of instrument. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 0993962	PRINTER SN 097.3584.337	DATE OF INSPECTION 06/13/2015
LOCATION OF INSTRUMENT (STREET AND CITY) 709 W Main St Greenwood		TIME OF INSPECTION 7:06 pm

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 LOT # 14220 EXP. DATE 09/24/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2285 SIMULATOR EXP DATE 01/07/2016

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 ← .097

TEST 2 ← .099

TEST 3 ← .099

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-.04) 1	(.05-.09) 0	(.10-.14) 1	(.15-.19) 1	(OVER .19) 1
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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 CHRISTOPHER HEIN
TYPE II PERMIT NUMBER-EXPIRATION DATE 230341/ 12-31-2015	TELEPHONE NUMBER (816) 537-5020

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 14220 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 25, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1209% (w/vol) ethyl alcohol. The expiration date for this lot number is September 24, 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 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.



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).

Checked: 01/07/2015 Expires: 01/07/2016
Digital Therm. SN:093767
MSC Tech:DRL Temp:34.02
Agency: Greenwood Police Dept.
SD 2285



Technician Printed Name: DAN LUCAS

Technician Signature: [Handwritten Signature]

Date: 01/07/2015

Contact: Missouri Safety Center
Breath-Alcohol Instrument Training Program
660-543-4834

AS IV Serial no: 000062
Version no: 5000

TEST KNOWN 00284
Temp Date Time 2100 ✓

Air Blinds
26/12/15 19:06 .000
Calibration Check:
21 25/12/15 19:06 .057

Subject Name
Col. Hein
Subject I.D.
Test #1
Operator Name J.D.
GPD
Location

AS IV Serial no: 000062
Version no: 5000

TEST KNOWN 00285
Temp Date Time 2100 ✓

Air Blinds
26/12/15 19:11 .000
Calibration Check:
21 25/12/15 19:11 .059

Subject Name
Col. Hein
Subject I.D.
Test #2
Operator Name J.D.
GPD
Location

AS IV Serial no: 000062
Version no: 5000

TEST KNOWN - OUTRINT
Temp Date Time 2100 ✓

Air Blinds
26/12/15 19:17 .000
Calibration Check:
21 25/12/15 19:17 .058

Subject Name
Col. Hein
Subject I.D.
Test #3
Operator Name J.D.
GPD
Location

AS IV Serial no: 000062
Version no: 5000

TEST KNOWN 00287
Temp Date Time 2100 ✓

Air Blinds
26/12/15 19:20
Calibration Check:
21 25/12/15 19:20

Subject Name
Col. Hein
Subject I.D.
RFE Test 7
Operator Name J.D.
GPD
Location



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

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**PERMIT
 TYPE II
 CHRISTOPHER HEIN**

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

ALCO-SENSOR IV WITH 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 12/31/2013

NUMBER 230341

EXPIRES 12/31/2015

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

acting director
 DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

FORM 280-0771 (6-10)

LAB-1 (16-10)

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

INSTRUMENT OPERATOR CARD

The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.

Operator HEIN, CHRISTOPHER
 Permit No 230341
 Date Issued 12/31/2013 Date Expires 12/31/2015