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By Carol Day at 8:37 am, May 10, 2016



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

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 100285	PRINTER SN 093-3563-012	DATE OF INSPECTION 05/09/2016
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LOCATION OF INSTRUMENT (STREET AND CITY) ARC 2 PATROL VEHICLE, 7700 NATURAL BRIDGE, NORMANDY, MO,63121	TIME OF INSPECTION 11:00 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**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER GUTH LOT # 15120 EXP. DATE 04/29/2017

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD1615 SIMULATOR EXP DATE 07/06/2016

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 .101

TEST 2 .101

TEST 3 .101

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).

NONE

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
BRANDON W LANGE

TYPE II PERMIT NUMBER/EXPIRATION DATE  
250161 7/22/2017

TELEPHONE NUMBER  
(314) 385-3300

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 IV Serial no: 100285  
Version no: 004C

TEST RECORD 00206

Temp Date Time <sup>a/</sup> 210L

Air Blank:  
05/09/16 11:00 .000  
Subject Test: Auto  
19 05/09/16 11:00 .000

Subject Name  
Danga 286  
Subject I.D.

Operator Name, I.D.  
Danga 286  
Location  
ARC 2 Patrol veh.

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00209

Temp Date Time <sup>a/</sup> 210L

Air Blank:  
05/09/16 11:05 .000  
Calibration Check:  
20 05/09/16 11:05 .101

Subject Name  
Maint 3  
Subject I.D.

Operator Name, I.D.  
Danga 286  
Location  
ARC 2 Patrol veh

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00207

Temp Date Time <sup>a/</sup> 210L

Air Blank:  
05/09/16 11:02 .000  
Calibration Check:  
19 05/09/16 11:02 .101

Subject Name  
Maint 1  
Subject I.D.

Operator Name, I.D.  
Danga 286  
Location  
ARC 2 Patrol veh

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00210

Temp Date Time <sup>a/</sup> 210L

Void: RFI  
12 05/09/16 11:06

Subject Name  
R.F.I  
Subject I.D.

Operator Name, I.D.  
Danga 286  
Location  
ARC 2 Patrol veh

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00208

Temp Date Time <sup>a/</sup> 210L

Air Blank:  
05/09/16 11:03 .000  
Calibration Check:  
20 05/09/16 11:03 .101

Subject Name  
Maint 2  
Subject I.D.

Operator Name, I.D.  
Danga 286  
Location  
ARC 2 Patrol veh



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



PERMIT  
TYPE II

BRANDON W LANGE

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 806.111 through 806.119 RSMo.

DATE 7/22/2015

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 250161

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 7/22/2017

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES  
LA 4 85401

10 690-9771 (8-10)

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 from of expired air in Missouri.

Operator LANGE, BRANDON  
Permit No 250161  
Date Issued 7/22/2015 Date Expires 7/22/2017



## GUTH LABORATORIES, INC.

530 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-534-5470

### CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 15120 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on May 4, 2015, 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 April 29, 2017 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.*