



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

**RECEIVED**  
 By Carol Day at 9:25 am, Feb 11, 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 100285	PRINTER SN 093-3563-012	DATE OF INSPECTION 02/11/2016
-----------------------------	----------------------------	----------------------------------

LOCATION OF INSTRUMENT (STREET AND CITY) ARC 2 PATROL VEHICLE, 7700 NATURAL BRIDGE, NORMANDY MO	TIME OF INSPECTION 1:49 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**

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>GUTH</u>	LOT # <u>15120</u> EXP. DATE <u>04/29/2017</u>
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.0</u>	SIMULATOR SN <u>SD1615</u> SIMULATOR EXP DATE <u>07/06/2016</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  .100	TEST 2  .100	TEST 3  .100
--------------	--------------	--------------

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	<u>1</u>	(0-.04)	(.05-.09)	(.10-.14)	<u>1</u>	(.15-.19)	(OVER .19)
----------	----------	---------	-----------	-----------	----------	-----------	------------

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).

CALIBRATION WAS DONE

<b>INSPECTING OFFICER</b>	
SIGNATURE	PRINT NAME BRANDON W LANGE
TYPE II PERMIT NUMBER/EXPIRATION DATE 250161 07/22/2017	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 00190

Temp Date Time 210L

Air Blank: 02/11/16 01:51 .000  
Calibration Check: 24 02/11/16 01:51 .100

Subject Name

Mount I  
Subject I.D.

N/A  
Operator Name, I.D.

Sony Lab  
Location

Arc 2

Normandy Station

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00191

Temp Date Time 210L

Air Blank: 02/11/16 01:52 .000  
Calibration Check: 25 02/11/16 01:52 .100

Subject Name

Mount 2  
Subject I.D.

Operator Name, I.D.

Sony Lab  
Location

Arc 2

Normandy Station

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00189

Temp Date Time 210L

Air Blank: 02/11/16 01:49 .000  
Calibration: 23 02/11/16 01:49 .100

Subject Name

Calibration  
Subject I.D.

Operator Name, I.D.

Sony Lab  
Location

Arc 2

Normandy Station

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00193

Temp Date Time 210L

Void: RFI  
12 02/11/16 01:55

Subject Name

RFI  
Subject I.D.

Operator Name, I.D.

Sony Lab  
Location

Arc 2

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00194

Temp Date Time 210L

Air Blank: 02/11/16 01:56 .000  
Subject Test: Auto 25 02/11/16 01:56 .000

Subject Name

Sony Lab  
Subject I.D.

Sony Lab  
Operator Name, I.D.

Sony Lab  
Location

Arc 2

Normandy Station

AS IV Serial no: 100285  
Version no: 004C

TEST RECORD 00192

Temp Date Time 210L

Air Blank: 02/11/16 01:54 .000  
Calibration Check: 25 02/11/16 01:54 .100

Subject Name

Mount 5  
Subject I.D.

Operator Name, I.D.

Sony Lab  
Location



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

2

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

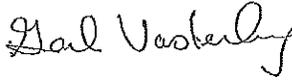
for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 7/22/2015

NUMBER 250161

EXPIRES 7/22/2017

  
DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

  
DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LA9-4 (06-10)

MO 680-0771 (6-10)

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



## 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 **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  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , 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.*