



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

RECEIVED  
 by Tracy Dwyer at 2:28pm, Jan 13, 2021

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 111647	NAME OF AGENCY NORMANDY PD	DATE OF INSPECTION 01/13/2021
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LOCATION OF INSTRUMENT (STREET AND CITY) 7700 NATURAL BRIDGE, NORMANDY, MO, 63121	TIME OF INSPECTION 9:10 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 # 19160 EXP. DATE 07/09/2021

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD1615 SIM. NIST EXP DATE 07/24/2021

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 .097

TEST 3 .096

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)	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).

NONE AT THIS TIME.

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
BRANDON W. LANGE

TYPE II PERMIT NUMBER/EXPIRATION DATE  
290166 08/01/2021

TELEPHONE NUMBER  
(314) 385-3300

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00251

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
01/13/21 09:10 .000  
Calibration Check:  
22 01/13/21 09:10 .097

Subject Name

Maint 1

Subject I.D.

N/A

Operator Name, I.D.

Dange 206

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00252

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
01/13/21 09:12 .000  
Calibration Check:  
23 01/13/21 09:12 .097

Subject Name

Maint 2

Subject I.D.

N/A

Operator Name, I.D.

Dange 206

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00253

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
01/13/21 09:13 .000  
Calibration Check:  
23 01/13/21 09:13 .096

Subject Name

Maint 3

Subject I.D.

N/A

Operator Name, I.D.

Dange 206

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00254

Temp Date Time <sup>9/</sup> 210L

VOID: RFI  
12 01/13/21 09:14

Subject Name

RFI

Subject I.D.

N/A

Operator Name, I.D.

Dange 206

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00255

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
01/13/21 09:15 .000  
Subject Test: Auto  
23 01/13/21 09:15 .000

Subject Name

Dange

Subject I.D.

206

Operator Name, I.D.

Dange 206

Location

Normandy PD



# 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 **19160** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **July 10, 2019**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1202%** (w/vol) ethyl alcohol. The expiration date for this lot number is **July 9, 2021** 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 FN04271602 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.*



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 8/1/2019

NUMBER 290166

EXPIRES 8/1/2021

MO 806-077 (6-19)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (16-18)

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 290166  
Date Issued 8/1/2019 Date Expires 8/1/2021