



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

RECEIVED  
 BY: Tracy Crowe at 7:03am, Aug 31, 2020

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 09B-3589-504	DATE OF INSPECTION 08/29/2020
LOCATION OF INSTRUMENT (STREET AND CITY) NORMANDY POLICE DEPARTMENT, 7700 NATURAL BRIDGE, NORMANDY, MO		TIME OF INSPECTION 10:36 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.

<input checked="" type="checkbox"/> DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)
<input checked="" type="checkbox"/> TEMPERATURE OF ALCO SENSOR (10°C - 40°C)
<input checked="" type="checkbox"/> PRINTER WORKING PROPERLY
<input checked="" type="checkbox"/> TIME AND DATE DISPLAYING PROPERLY

**BREATH ALCOHOL ACCURACY STANDARDS**

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
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<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>GUTH</u>	LOT # <u>19160</u>	EXP. DATE <u>07/09/2021</u>
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<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.0</u>	SIM. SN <u>SD1615</u>	SIM. NIST EXP DATE <u>07/24/2021</u>
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<input checked="" type="checkbox"/> 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)
<input checked="" type="checkbox"/> 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE
<input type="checkbox"/> 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE
<input type="checkbox"/> 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 <u>.099</u>	TEST 2 <u>.097</u>	TEST 3 <u>.097</u>
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<input checked="" type="checkbox"/> RFI DETECTOR OPERATING
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INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT: (DO NOT INCLUDE SELF-ADMINISTERED TESTS)

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

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**INSPECTING OFFICER**

SIGNATURE <u>Brandon W. Lange</u>	PRINT NAME <b>BRANDON W. LANGE</b>
TYPE II PERMIT NUMBER/EXPIRATION DATE <u>290166 08/01/2021</u>	TELEPHONE NUMBER <u>(314) 385-3300</u>

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 00234

Temp Date Time 210L

Air Blank:  
08/29/20 22:36 .000  
Calibration Check:  
21 08/29/20 22:36 .099

Subject Name

Maint 1

Subject I.D.

N/A

Operator Name, I.D.

Jange 206

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00235

Temp Date Time 210L

Air Blank:  
08/29/20 22:37 .000  
Calibration Check:  
21 08/29/20 22:37 .097

Subject Name

Maint 2

Subject I.D.

N/A

Operator Name, I.D.

Jange 206

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00236

Temp Date Time 210L

Air Blank:  
08/29/20 22:39 .000  
Calibration Check:  
22 08/29/20 22:39 .097

Subject Name

Maint 3

Subject I.D.

N/A

Operator Name, I.D.

Jange 206

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00237

Temp Date Time 210L

VOID: RFI  
12 08/29/20 22:40

Subject Name

R.F.I.

Subject I.D.

NA

Operator Name, I.D.

Jange 206

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00238

Temp Date Time 210L

Air Blank:  
08/29/20 22:41 .000  
Subject Test: Auto  
23 08/29/20 22:41 .000

Subject Name

Jange

Subject I.D.

206

Operator Name, I.D.

Jange 206

Location

Normandy PD



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 306.111 through 306.119 RSMo.

DATE 8/1/2019

NUMBER 290166

EXPIRES 8/1/2021

MO 590-0771 (8-19)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (HS-19)



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





# 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°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 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.*