



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED
By: [unclear] Date: 02/12/2020

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	PRINTER SN 09B-3589-504	DATE OF INSPECTION 02/12/2020
LOCATION OF INSTRUMENT (STREET AND CITY) NORMANDY POLICE DEPARTMENT, 7700 NATRUAL BRIDGE, NORMANDY, MO		TIME OF INSPECTION 1:56 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 # 19160 EXP. DATE 07/09/2021
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD1615 SIMULATOR EXP DATE 08/14/2020

- 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 .099	TEST 3 .099
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- 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 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
2875 James Boulevard
Poplar Bluff, MO 63901

AS IV Serial no: 111647
Version no: 532B

TEST RECORD 00212

Temp Date Time ^{9/} 210L

Air Blank:
02/12/20 13:56 .000
Calibration Check:
22 02/12/20 13:56 .100

Subject Name

Maint 1

Subject I.D.

N/A

Operator Name, I.D.

Sange Lee

Location

Normandy PD

AS IV Serial no: 111647
Version no: 532B

TEST RECORD 00213

Temp Date Time ^{9/} 210L

Air Blank:
02/12/20 13:58 .000
Calibration Check:
22 02/12/20 13:58 .099

Subject Name

Maint 2

Subject I.D.

N/A

Operator Name, I.D.

Sange Lee

Location

Normandy PD

AS IV Serial no: 111647
Version no: 532B

TEST RECORD 00214

Temp Date Time ^{9/} 210L

Air Blank:
02/12/20 13:59 .000
Calibration Check:
23 02/12/20 13:59 .099

Subject Name

Maint 3

Subject I.D.

N/A

Operator Name, I.D.

Sange Lee

Location

Normandy PD

AS IV Serial no: 111647
Version no: 532B

TEST RECORD 00215

Temp Date Time ^{9/} 210L

VOID: RFI
12 02/12/20 14:00

Subject Name

R.I.F.S.

Subject I.D.

N/A

Operator Name, I.D.

Sange Lee

Location

Normandy PD

AS IV Serial no: 111647
Version no: 532B

TEST RECORD 00216

Temp Date Time ^{9/} 210L

Air Blank:
02/12/20 14:01 .000
Subject Test: Auto
24 02/12/20 14:01 .000

Subject Name

Sange

Subject I.D.

266

Operator Name, I.D.

Sange Lee

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 806.111 through 806.119 RSMo.

DATE 8/1/2019

NUMBER 290166

EXPIRES 8/1/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES



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





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.