



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 097413	PRINTER SN 096.3580.867	DATE OF INSPECTION 01/14/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 52 YOUNG DR CALVERTON PARK MO 63135		TIME OF INSPECTION 3:10

**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 LABORATORIES LOT # 19160 EXP. DATE 07/09/2021
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN SD3327 SIMULATOR EXP DATE 07/09/2209

- 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  .102	TEST 2  .101	TEST 3  .101
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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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME <u>Lowell Moore</u>
TYPE II PERMIT NUMBER/EXPIRATION DATE 280153 03/22/2020	TELEPHONE NUMBER (314) 524-1212

**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: 097413  
Version no: 532B

TEST RECORD 00298

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

Air Blank:  
01/14/20 03:10 .000  
Calibration Check:  
20 01/14/20 03:10 .102

Subject Name Test 1  
L. Moore 280153  
Subject I.D.

L. Moore 280153  
Operator Name, I.D.

Sd Young  
Location

1 test d  
AS IV Serial no: 097413  
Version no: 532B

TEST RECORD 00299

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

Air Blank:  
01/14/20 03:12 .000  
Calibration Check:  
21 01/14/20 03:12 .101

Subject Name  
Test d  
Subject I.D.

L. Moore 280153  
Operator Name, I.D.

Sd Young Dr  
Location

3  
AS IV Serial no: 097413  
Version no: 532B

TEST RECORD - REPRINT

TEST RECORD 00300

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

Air Blank:  
01/14/20 03:17 .000  
Calibration Check:  
22 01/14/20 03:17 .101

Subject Name  
Test 3  
Subject I.D.

L. Moore 280153  
Operator Name, I.D.

Sd Young  
Location

RFI

AS IV Serial no: 097413  
Version no: 532B

TEST RECORD 00301

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

VOID: RFI  
12 01/14/20 03:20

Subject Name  
RFI  
Subject I.D.

L. Moore 173  
Operator Name, I.D.

Sd Young Dr  
Location



**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.*



314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

**CERTIFICATE OF ANALYSIS  
ALCOHOL REFERENCE SOLUTION FOR SIMULATOR**

**Lot No: 19160 Exp. Date: 7/9/2021**

This Alcohol Reference for Simulator was received on 7/12/2019 and tested on a Gas Chromatograph by Timila Singh according to the standard procedure Alcohol Reference Solution-1, and found to contain 0.1193 %  $\leq$  0.00128 (wt/vol) Ethyl Alcohol. The Alcohol and water used in this solution were free of test interfering substances.

A contemporaneous record has been kept in the regular and normal course of business for the date of testing, material tested, test conducted, individuals conducting the testing and the results.

**Laboratory Reference:**

**190712029**

**QA Manager:**

A handwritten signature in black ink, appearing to read "Chris Hess", written over a horizontal line.

**Christopher Hess**

**Laboratory Director:**

A handwritten signature in black ink, appearing to read "Tara Daniels", written over a horizontal line.

**Tara Daniels**

**Report Date:**

**7/29/2019**



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



PERMIT  
TYPE II  
LOWELL J MOORE

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 336.111 through 336.119 RSMo.

DATE 3/22/2018

NUMBER 280153

EXPIRES 3/22/2020

MO 587-077 (5-0)

*[Signature]*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*[Signature]*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (05-18)

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

**INSTRUMENT OPERATOR CARD**

The named cardholder is authorized to operate a certified breath alcohol instrument for the determination of the alcoholic content in breath from a subject in Missouri.

**Operator: MOORE LOWELL**  
**Permit No: 280153**  
**Date Issued: 3/22/2018**    **Date Expires: 3/22/2020**