



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	NAME OF AGENCY CALVERTON PARK	DATE OF INSPECTION 09/17/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 52 YOUNG DR, CALVERTON PARK MO 63135		TIME OF INSPECTION 1250PM

**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 # 211980 EXP. DATE 06/08/2023
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34C SIM. SN SD3327 SIM. NIST EXP DATE 07/13/2022

**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 ← .098	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).

<b>INSPECTING OFFICER</b>	
SIGNATURE <i>Lowell M... 210072</i>	PRINT NAME <i>Lowell M...</i>
TYPE II PERMIT NUMBER/EXPIRATION DATE 210072 04/06/2023	TELEPHONE NUMBER (314) 524-1212

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

3

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

TEST RECORD 00438 s/  
Temp Date Time 210L  
Air Blank: 09/17/21 12:50 .000  
Calibration Check: 19 09/17/21 12:50 .098  
Subject Name

Fixed  
Subject I.D. L. Meier 21007d  
Operator Name, I.D.  
Location S. Young

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

TEST RECORD 00439 s/  
Temp Date Time 210L  
Air Blank: 09/17/21 12:52 .000  
Calibration Check: 20 09/17/21 12:52 .099  
Subject Name

Fixed  
Subject I.D. L. Meier 21007d  
Operator Name, I.D.  
Location S. Young

AS IV Serial no: 097413  
Version no: 532B

TEST RECORD 00440 s/  
Temp Date Time 210L  
Air Blank: 09/17/21 12:54 .000  
Calibration Check: 21 09/17/21 12:54 .099  
Subject Name

TEST 3  
Subject I.D. L. Meier 21007d  
Operator Name, I.D.  
Location S. Young

RFD

AS IV Serial no: 097413  
Version no: 532B

TEST RECORD 00441 s/  
Temp Date Time 210L  
VOID: RFI  
12 09/17/21 12:56

Subject Name RFI  
Subject I.D. L. Meier 21007d  
Operator Name, I.D.  
Location S. Young

**GUTH LABORATORIES, INC.**

580 NORTH 67th STREET ■ HARRISBURG, PA 17111-4611 ■ TELEPHONE: 717-694-6470

**CERTIFICATE OF ANALYSIS****Certified Alcohol Reference Solution for Simulator**

Random Samples of Lot Number **21190** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **June 9, 2021**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1206%** (w/vol) ethyl alcohol. The expiration date for this lot number is **June 8, 2023** 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 FN03052002 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**

**LOWELL MOORE**

is hereby authorized to instruct and supervise operators, train instructors; inspect, calibrate, perform field service and repairs, operate the following breath analyzer(s):

**ALCO-SENSOR IV WITH PRINTER, INTOX EC/IR II**

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.

ISSUED 4/6/2021

NUMBER 210072

EXPIRES 4/6/2023

0-0771 (5-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)

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 MOORE, LOWELL  
Permit No 210072  
Date Issued 4/6/2021 Date Expires 4/6/2023