



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 111637	NAME OF AGENCY Gasconade County Sheriff's Office	DATE OF INSPECTION 12/20/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 1951 South Highway 19 Hermann, Missouri 65041		TIME OF INSPECTION 11:08 am

**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 # 21080 EXP. DATE 03/08/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.01 SIM. SN MP5536 SIM. NIST EXP DATE 03/30/2022

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 ← .105

TEST 2 ← .105

TEST 3 ← .103

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).

Changed 9V battery

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
Lynde Mantels

TYPE II PERMIT NUMBER/EXPIRATION DATE  
210070/4-6-2023

TELEPHONE NUMBER  
(573) 486-2424

**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: 111637  
Version no: 532B

TEST RECORD 00112

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

Air Blank:  
12/20/21 11:08 .000  
Calibration Check:  
19 12/20/21 11:08 .105

Subject Name

Maintenance Test

Subject I.D.

Test # 1

Operator Name, I.D.

L. Markels 1505

Location

1951 S. HWY 19

Hermann, MO 65041

AS IV Serial no: 111637  
Version no: 532B

TEST RECORD 00113

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

Air Blank:  
12/20/21 11:13 .000  
Calibration Check:  
21 12/20/21 11:13 .105

Subject Name

Maintenance Test

Subject I.D.

Test # 2

Operator Name, I.D.

L. Markels 1505

Location

1951 S. HWY 19

Hermann, MO 65041

AS IV Serial no: 111637  
Version no: 532B

TEST RECORD 00114

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

Air Blank:  
12/20/21 11:15 .000  
Calibration Check:  
22 12/20/21 11:15 .103

Subject Name

Maintenance Test

Subject I.D.

Test # 3

Operator Name, I.D.

L. Markels 1505

Location

1951 S. HWY 19

Hermann, MO 65041

AS IV Serial no: 111637  
Version no: 532B

TEST RECORD 00115

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

VOID: RFI  
12 12/20/21 11:19

Subject Name

Maintenance Test

Subject I.D.

RFI Test

Operator Name, I.D.

L. Markels 1505

Location

1951 S. HWY 19

Hermann, MO 65041



## 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 21080 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on March 10, 2021, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1214% (w/vol) ethyl alcohol. The expiration date for this lot number is March 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**

**LYNDE MANTELS II**

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, INTOX DMT**

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 4/6/2021

NUMBER 210070


EXPIRES 4/6/2023

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB- (R6-10)

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

**INSTRUMENT OPERATOR CARD**

The name of cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content of breath from a person in Missouri.

Operator **MANTELS II, LYNDE**  
Permit No **210070**  
Date Issued **4/6/2021** Date Expires **4/6/2023**

