



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 05/27/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 1951 South Highway 19 Hermann, Missouri 65041		TIME OF INSPECTION 5:42 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 Laboratories LOT # 21080 EXP. DATE 03/08/2022

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 ➔ .104	TEST 2 ➔ .103	TEST 3 ➔ .103
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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 Detective L. Mantels
TYPE AND PERMIT NUMBER/EXPIRATION DATE 210070/ 04/06/2023	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 00080

Temp Date Time ^{9/} 210L

Air Blank:
05/27/21 17:42 .000
Calibration Check:
26 05/27/21 17:42 .104

Subject Name
Maintenance Test

Subject I.D.
Test 1

Operator Name, I.D.
L. Mantels 1505

Location
1957 S HWY 19

Hermann, MO 65041

AS IV Serial no: 111637
Version no: 532B

TEST RECORD 00081

Temp Date Time ^{9/} 210L

Air Blank:
05/27/21 17:44 .000
Calibration Check:
26 05/27/21 17:44 .103

Subject Name
Maintenance Test

Subject I.D.
Test 2

Operator Name, I.D.
L. Mantels 1505

Location
1957 S HWY 19

Hermann, MO 65041

AS IV Serial no: 111637
Version no: 532B

TEST RECORD 00082

Temp Date Time ^{9/} 210L

Air Blank:
05/27/21 17:46 .000
Calibration Check:
27 05/27/21 17:46 .103

Subject Name
Maintenance Test

Subject I.D.
Test 3

Operator Name, I.D.
L. Mantels 1505

Location
1957 S HWY 19

Hermann, MO 65041

AS IV Serial no: 111637
Version no: 532B

TEST RECORD 00083

Temp Date Time ^{9/} 210L

VOID: RFI
12 05/27/21 17:47

Subject Name
Maintenance Test

Subject I.D.
RFI Test

Operator Name, I.D.
L. Mantels 1505

Location
1957 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

MO 580-5771 (6-10)

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

