



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 104293	NAME OF AGENCY Gladstone Police Department	DATE OF INSPECTION 11/04/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 7010 N Holmes, Gladstone, MO (GPD)		TIME OF INSPECTION 5:08 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 # 20190 EXP. DATE 04/06/2022

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2253 SIM. NIST EXP DATE 09/24/2021

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 .103

TEST 2 .102

TEST 3 .100

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).

Test numbers 01479 to 01500 were logged for training purposes.

**INSPECTING OFFICER:**

SIGNATURE

PRINT NAME  
Eric D. Stock

TYPE II PERMIT NUMBER/EXPIRATION DATE  
200077 02/04/2022

TELEPHONE NUMBER  
(816) 423-4048

**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: 104293  
Version no: 532B

TEST RECORD 01501

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

Air Blank:  
11/04/20 05:08 .000  
Calibration Check:  
22 11/04/20 05:08 .103

Subject Name

TEST 1

Subject I.D.

Operator Name, I.D.

E. Stock 200077

Location

AS IV Serial no: 104293  
Version no: 532B

TEST RECORD 01502

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

Air Blank:  
11/04/20 05:10 .000  
Calibration Check:  
23 11/04/20 05:10 .102

Subject Name

TEST 2

Subject I.D.

Operator Name, I.D.

E. Stock 200077

Location

AS IV Serial no: 104293  
Version no: 532B

TEST RECORD 01503

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

Air Blank:  
11/04/20 05:11 .000  
Calibration Check:  
24 11/04/20 05:11 .100

Subject Name

TEST 3

Subject I.D.

Operator Name, I.D.

E. Stock 200077

Location

AS IV Serial no: 104293  
Version no: 532B

TEST RECORD 01504

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

VOID: RFI  
12 11/04/20 05:12

Subject Name

RFI TEST

Subject I.D.

Operator Name, I.D.

E. Stock 200077

Location

AS IV Serial no: 104293  
Version no: 532B

TEST RECORD 01505

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

Air Blank:  
11/04/20 05:14 .000  
Subject Test: Auto  
25 11/04/20 05:14 .000

Subject Name

BLANK TEST

Subject I.D.

Operator Name, I.D.

E. Stock 200077

Location

GPD



## 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 **20190** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **April 8, 2020**, 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 **April 6, 2022** at 11:59 PM.

When used in a calibrated Simulator, operating at  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L  $\pm$  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 FN02271802 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.*