



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 111778	NAME OF AGENCY Oak Grove Police Department	DATE OF INSPECTION 10/23/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 2110 S Broadway Oak Grove, MO 64075		TIME OF INSPECTION 10:05 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 LOT # 21190 EXP. DATE 06/08/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2734 SIM. NIST EXP DATE 09/06/2023

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  .100

TEST 2  .100

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)	2	(.05-.09)	0	(.10-.14)	2	(.15-.19)	0	(OVER .19)	2
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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  
Sgt. Brandon S. Grote #0001

TYPE II PERMIT NUMBER/EXPIRATION DATE  
220238 09-26-2024

TELEPHONE NUMBER  
(816) 690-3773

**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: 111775  
Version no: 5328

TEST RECORD 00424

Date Time 2:51

Operator Name, I.D.  
10/23/22 22:38 900  
Calibration Check:  
10/23/22 22:38 100

Project Name

Test 1

Project I.D.

Grote #0001

Operator Name, I.D.

220238 9/26/24

Location

06PD

AS IV Serial no: 111775  
Version no: 5328

TEST RECORD 00425

Date Time 2:52

Operator Name, I.D.  
10/23/22 22:40 900  
Calibration Check:  
10/23/22 22:40 100

Project Name

Test 2

Project I.D.

Grote #0001

Operator Name, I.D.

220238 9/26/24

Location

06PD

AS IV Serial no: 111775  
Version no: 5328

TEST RECORD 00426

Date Time 2:53

Operator Name, I.D.  
10/23/22 22:41 900  
Calibration Check:  
10/23/22 22:41 100

Project Name

Test 3

Project I.D.

Grote #0001

Operator Name, I.D.

220238 9/26/24

Location

06PD

AS IV Serial no: 111775  
Version no: 5328

TEST RECORD 00427

Date Time 2:54

Operator Name, I.D.  
10/23/22 22:43

Project Name

RFI Test

Project I.D.

Grote #0001

Operator Name, I.D.

220238 9/26/24

Location

06PD



**GUTH LABORATORIES, INC.**

590 NORTH 87th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-594-5470

5119

## 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  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , 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 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

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**PERMIT**  
**TYPE II**  
**BRANDON GROTE**

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 306.111 through 306.119 RSMo.

DATE 9/26/2022

*Mike Masoma*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 220238

*Paula J. Nickelson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 9/26/2024

MO 580-0771 (6-10)

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** GROTE, BRANDON  
**Permit No** 220238  
**Date issued** 9/26/2022 **Date Expires** 9/26/2024

