



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 107977	NAME OF AGENCY Excelsior Springs Police Department	DATE OF INSPECTION 07/22/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 301 S Main St, Excelsior Springs, MO 64024		TIME OF INSPECTION 1345

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 # 21380 EXP. DATE 09/13/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 C SIM. SN MP3564 SIM. NIST EXP DATE 06/16/2023

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 ← .101 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 1 (0-.04) 0 (.05-.09) 0 (.10-.14) 0 (.15-.19) 0 (OVER .19) 0

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

Brian K Kennedy

TYPE II PERMIT NUMBER/EXPIRATION DATE

210044 03/16/2023

TELEPHONE NUMBER

816-629-7105

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: 187977
Version no: 532B

TEST RECORD 01169 s/
Temp Date Time 210L
Air Blank: 07/22/22 13:54 .000
Calibration Check: 22 07/22/22 13:54 .101

Subject Name
SIMULATOR
Subject I.D.

Operator Name, I.D.
KENNEDY 911
Location
ESAD

AS IV Serial no: 187977
Version no: 532B

TEST RECORD 01168 s/
Temp Date Time 210L
Air Blank: 07/22/22 13:52 .000
Calibration Check: 22 07/22/22 13:52 .100

Subject Name
SIMULATOR
Subject I.D.

Operator Name, I.D.
KENNEDY 911
Location
ESAD

AS IV Serial no: 187977
Version no: 532B

TEST RECORD 01170 s/
Temp Date Time 210L
Air Blank: 07/22/22 13:56 .000
Calibration Check: 23 07/22/22 13:56 .100

Subject Name
SIMULATOR
Subject I.D.

Operator Name, I.D.
KENNEDY 911
Location
ESAD

AS IV Serial no: 187977
Version no: 532B

TEST RECORD 01171 s/
Temp Date Time 210L
VOID: RPI
12 07/22/22 13:57

Subject Name
SIMULATOR
Subject I.D.

Operator Name, I.D.
KENNEDY 911
Location
ESAD



Missouri Department of Health and Senior Services

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466



Paula Nickelson
Acting Director

Michael L. Parson
Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP3564 **Manufacturer:** Guth
Model Number: 12V500
Agency: EXCELSIOR SPRINGS
Agency Address: 301 S MAIN, EXCELSIOR SPRINGS, MO 64024

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 **Bias:** 0.01
Uncertainty: 0.02
Date of Certification: 11/10/2021 **Date of Expiration:** 11/10/2022

ENVIRONMENTAL CONDITIONS

The environmental conditions during testing are within the tolerances of DHSS BAP method 3.

VERIFICATION RESULTS

<u>Simulator Average</u>	<u>NIST Average</u>	<u>Combined Uncertainty</u>
33.99	34.00	.03

The combined uncertainty is calculated with a k=2 value.

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 6/16/2022
Certification Expiration: 6/16/2023
Simulator testing technician: M. BOND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
Certification No: MP3564_6162022

DHSS BAP Scientist Approving

Simulator Calibration Certification
Issued by Lab Manager, DHSS BAP
Revision Date: 05/16/2018

Breath Alcohol Program
1903 Northwood Drive, Suite 4
Poplar Bluff, MO 63901

DHSS BAP Document 3.6A
Revision 1
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314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

**CERTIFICATE OF ANALYSIS
ALCOHOL REFERENCE SOLUTION FOR SIMULATOR**

Lot No: 21380 Exp. Date: 9/13/2023

This Alcohol Reference for Simulator was received on 9/17/2021 and tested on a Gas Chromatograph by Tara Szucs according to the standard procedure Alcohol Reference Solution-1, and found to contain 0.1191 % \leq 0.00089 (wt/vol) Ethyl Alcohol. The Alcohol and water used in this solution were free of test interfering substances.

A contemporaneous record has been kept in the regular and normal course of business for the date of testing, material tested, test conducted, individuals conducting the testing and the results.

Laboratory Reference: 210917067

QA Manager: 

Christopher Hess

Laboratory Director: 

Tara Daniels

Report Date: 10/27/21



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 **21380** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **September 15, 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 **September 13, 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 5738409139 07/22/2022 02:23PM Pg 06/06