



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
 STATE PUBLIC HEALTH LABORATORY
ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED
 By Tracy Crews at 6:25 am, Dec 21, 2023

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 12/20/2023 |
| LOCATION OF INSTRUMENT (STREET AND CITY) 301 S. Main Excelsior Springs, Mo 64024 | | TIME OF INSPECTION 10:29 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 LOT # 23180 EXP. DATE 05/17/2025
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN MP3564 SIM. NIST EXP DATE 05/16/2024

- 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 .099 |
|--------------|--------------|--------------|

- 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-.04) | (.05-.09) | (.10-.14) | (.15-.19) | (OVER .19) |
|----------|---------|-----------|-----------|-----------|------------|

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 C. Cramer-Stocks |
| TYPE II PERMIT NUMBER/EXPIRATION DATE 230103 5/30/2025 | TELEPHONE NUMBER (816) 630-2000 |

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: 107977
Version no: 532B

TEST RECORD 01359
Temp Date Time 210L
9/

Air Blank:
12/20/23 10:29 .000
Calibration Check:
22 12/20/23 10:29 .100

Subject Name
Simulator
Subject I.D.

Operator Name, I.D.
Cramer Q10

Location
ESPD

AS IV Serial no: 107977
Version no: 532B

TEST RECORD 01360
Temp Date Time 210L
9/

Air Blank:
12/20/23 10:30 .000
Calibration Check:
22 12/20/23 10:30 .101

Subject Name
Simulator
Subject I.D.

Operator Name, I.D.
Cramer Q10

Location
ESPD

AS IV Serial no: 107977
Version no: 532B

TEST RECORD 01361
Temp Date Time 210L
9/

Air Blank:
12/20/23 10:32 .000
Calibration Check:
23 12/20/23 10:32 .099

Subject Name
Simulator
Subject I.D.

Operator Name, I.D.
Cramer Q10

Location
ESPD

AS IV Serial no: 107977
Version no: 532B

TEST RECORD 01362
Temp Date Time 212L
9/

VOID: PC1
12 12/20/23 10:33

Subject Name
Simulator
Subject I.D.

Operator Name, I.D.
Cramer Q10

Location
ESPD



Peggy Mickelson
 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: 0.00
 Uncertainty: 0.02
 Date of Certification: 10/24/2022 Date of Expiration: 10/24/2023

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> |
|--------------------------|---------------------|-----------------------------|
| 34.00 | 34.00 | .02 |

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 5/16/2023
 Certification Expiration: 5/16/2024
 Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
 Certification No: MP3564_5162023

X *Brianna Medrano*

DHSS BAP Scientist Approving

Simulator Calibration Certification
 Issued by Lab Manager, DHSS BAP
 Revision Date: 06/25/2022

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

DHSS BAP Document 3.6A
 Revision 2
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CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **23180** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **May 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1220%** (w/vol) ethyl alcohol. The expiration date for this lot number is **May 17, 2025** 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 FN11172002 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

2

PERMIT
TYPE II

CASSIE N. CRAMER-STOCKS

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 5/30/2023

NUMBER 230103

EXPIRES 5/30/2025

Mike Mason

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

David F. Nicholson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (06-10)

MO 580-0771 (5-10)

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 from expired air in Missouri.

Operator **CRAMER-STOCKS, CASSE**
Permit No **230103**
Date Issued **5/30/2023** Date Expires **5/30/2025**

