

RECEIVED

By Tracy Crews at 8:15 am, Jun 17, 2024



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 119933	NAME OF AGENCY National Park Service (Arch Grounds)	DATE OF INSPECTION 06/14/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 891 TECHNOLOGY DRIVE, WELDON SPRING (TROOP C HQ) (MOBILE INSTRUMENT)		TIME OF INSPECTION 2:14 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, INC. LOT # 23390 EXP. DATE 10/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.00 SIM. SN MP2459 SIM. NIST EXP DATE 01/18/2025

- 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 ← .096	TEST 2 ← .096	TEST 3 ← .096
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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 A. MICHELS
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TYPE II PERMIT NUMBER/EXPIRATION DATE PERMIT #230300, EXPIRES 12/11/2025	TELEPHONE NUMBER (636) 300-2800
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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: 119933
Version no: 532C

TEST RECORD - REPRINT

TEST RECORD 00041

Temp Date Time ^{g/} 210L

Air Blank:
06/14/24 14:13 .000
Calibration Check:
21 06/14/24 14:13 .096

Subject Name

Maint

Subject I.D.

Operator Name, I.D.

A. Michels #230300

Location

Troop C HQ

AS IV Serial no: 119933
Version no: 532C

TEST RECORD 00042

Temp Date Time ^{g/} 210L

Air Blank:
06/14/24 14:17 .000
Calibration Check:
22 06/14/24 14:17 .096

Subject Name

Maint

Subject I.D.

Operator Name, I.D.

A. Michels #230300

Location

Troop C HQ

AS IV Serial no: 119933
Version no: 532C

TEST RECORD 00043

Temp Date Time ^{g/} 210L

Air Blank:
06/14/24 14:19 .000
Calibration Check:
23 06/14/24 14:19 .096

Subject Name

Maint

Subject I.D.

Operator Name, I.D.

A. Michels #230300

Location

Troop C HQ

AS IV Serial no: 119933
Version no: 532C

TEST RECORD 00044

Temp Date Time ^{g/} 210L

VOID: RFI
12 06/14/24 14:20

Subject Name

Maint

Subject I.D.

Operator Name, I.D.

A. Michels #230300

Location

Troop C HQ



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 **23390** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **October 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1207%** (w/vol) ethyl alcohol. The expiration date for this lot number is **October 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 FN03072301 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.