



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 062093	NAME OF AGENCY Sugar Creek Police Department	DATE OF INSPECTION 05/23/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 1001 Heroes Way, Sugar Creek		TIME OF INSPECTION 11:25 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 # 302-70296812 EXP. DATE 02/12/2027
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) _____ SIM. SN _____ SIM. NIST EXP DATE _____
- 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	3	(0-.04)	0	(.05-.09)	0	(.10-.14)	1	(.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).

Maintenance conducted in accordance with DHSS guidelines.

INSPECTING OFFICER

SIGNATURE 	PRINT NAME Amanda Akers
TYPE II PERMIT NUMBER/EXPIRATION DATE 230203 09/13/2025	TELEPHONE NUMBER (816) 521-7923

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

SUGAR CREEK MISSOURI POLICE DEPARTMENT

ALCO-SENSOR IV WITH PRINTER TEST RESULTS

TEST # 1	AS IV Serial no: 062093 Version no: 532B TEST RECORD 01885 Temp Date Time ^{g/} 210L ----- Air Blank: 05/23/24 11:25 .000 Calibration Check: 24 05/23/24 11:25 .096 ----- Subject Name <u>Test</u> Subject I.D. <u># 1</u> Operator Name, I.D. <u>Akers 230203</u> Location <u>1001 Heroes Way</u> <u>Sugar Creek, MO</u> <u>64054</u>	TEST # 2	AS IV Serial no: 062093 Version no: 532B TEST RECORD 01886 Temp Date Time ^{g/} 210L ----- Air Blank: 05/23/24 11:29 .000 Calibration Check: 26 05/23/24 11:29 .096 ----- Subject Name <u>Test</u> Subject I.D. <u># 2</u> Operator Name, I.D. <u>Akers #230203</u> Location <u>1001 Heroes Way</u> <u>Sugar Creek, MO</u> <u>64054</u>
	TEST # 3		AS IV Serial no: 062093 Version no: 532B TEST RECORD 01887 Temp Date Time ^{g/} 210L ----- Air Blank: 05/23/24 11:31 .000 Calibration Check: 26 05/23/24 11:31 .096 ----- Subject Name <u>Test</u> Subject I.D. <u># 3</u> Operator Name, I.D. <u>Akers #230203</u> Location <u>1001 Heroes Way</u> <u>Sugar Creek, MO</u> <u>64054</u>

CERTIFICATE OF ANALYSIS

EBS - ETHANOL BREATH STANDARD

Part Number: DG-U100-10
GUTH LABORATORIES INC

Sales order: 1128746755
Date: March 21, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer
ANALYTICAL ACCURACY: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 302-402968122
ETHANOL IN NITROGEN

Product Expiration: February 12, 2027

COMPONENT	PPM	(BrAC)
ETHANOL	260.5PPM	(0.100)
NITROGEN	BAL	
AVERAGE ANALYTICAL VALUE	PPM	(BrAC)
ETHANOL	262.7	(0.101)

REFERENCE STANDARD	CYLINDER	CONCENTRATION PPM
N.M.I. TRACEABLE STANDARDS*	ND38424	260.7

* CERTIFICATION TRACEABLE TO NATIONAL METROLOGY INSTITUTE TRACEABLE STANDARDS

TRACEABILITY

Preparation:

Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44.

Traceable certificate numbers 3445312 and 3398673.

Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards.

Certification Numbers: A679-20190918, D049803-20220329

No effecting environmental conditions during analysis.

*NMI is recognized by NIST through the Mutual Recognition Agreement (CIPM MRA).

CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

Manufactured Date: February 12, 2024

APPROVED BY: 

"We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request."

CALGAZ, a division of Airgas USA LLC

821 Chesapeake Drive, Cambridge, MD 21613-0149

Phone: (410) 228-6400

Fax: (410) 228-4251



STATE OF MISSOURI
 DEPARTMENT OF HEALTH AND SENIOR SERVICES
 BREATH ALCOHOL PROGRAM



PERMIT
TYPE II
AMANDA AKERS

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 9/13/2023

NUMBER 230203

EXPIRES 9/13/2025

Mike Massum

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Paula J. Nielson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

 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 AKERS, AMANDA
 Permit No 230203
 Date Issued 9/13/2023 Date Expires 9/13/2025

