



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 111321	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 08/30/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 1510 E. Elm Street Jefferson City MO (MSHP Academy)		TIME OF INSPECTION 4:54 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 LOT # 23180 EXP. DATE 05/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 33.98 SIM. SN MP1233 SIM. NIST EXP DATE 10/11/2023

- 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 ← 0.102 TEST 2 ← 0.101 TEST 3 ← 0.099

- 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 (0-.04) 0 (.05-.09) 2 (.10-.14) 3 (.15-.19) 1 (OVER .19) 2

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 Ryan Hutton
TYPE II PERMIT NUMBER/EXPIRATION DATE 220178 7/12/2024	TELEPHONE NUMBER (573) 751-9943

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: 111321
Version no: 532B

TEST RECORD 00803

Temp	Date	Time	s/	210L
VOID: RFI				
12 08/30/23 17:33				
Subject Name				
RYAN HUTTON				
Subject I.D.				
MR RFI CHECK				
Operator Name, I.D.				
220178				
Location				
MSHP ACADEMY				

AS IV Serial no: 111321
Version no: 532B

TEST RECORD 00802

Temp	Date	Time	s/	210L
Air Blank:				
08/30/23 17:32 .000				
Calibration Check:				
22 08/30/23 17:32 .099				
Subject Name				
RYAN HUTTON				
Subject I.D.				
MR TEST 3				
Operator Name, I.D.				
RYAN 220178				
Location				
MSHP ACADEMY				

AS IV Serial no: 111321
Version no: 532B

TEST RECORD 00801

Temp	Date	Time	s/	210L
Air Blank:				
08/30/23 17:31 .000				
Calibration Check:				
20 08/30/23 17:31 .101				
Subject Name				
RYAN HUTTON				
Subject I.D.				
MR TEST 2				
Operator Name, I.D.				
220178				
Location				
MSHP ACADEMY				

AS IV Serial no: 111321
Version no: 532B

TEST RECORD 00800

Temp	Date	Time	s/	210L
Air Blank:				
08/30/23 17:29 .000				
Calibration Check:				
20 08/30/23 17:29 .102				
Subject Name				
RYAN HUTTON				
Subject I.D.				
MR TEST 1				
Operator Name, I.D.				
220178				
Location				
MSHP ACADEMY				

8.30-23

111321

RYAN HUTTON



Paula Nickelson
Acting Director

Michael L. Parson
Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP2133 Manufacturer: Guth
Model Number: 12V500
Agency: MSHP (GHQ)
Agency Address: 1510 E ELM ST, JEFFERSON CITY, MO 65101

NIST THERMOMETER INFORMATION

Serial Number: 306168 Bias: 0.00
Uncertainty: 0.02
Date of Certification: 11/2/2021 Date of Expiration: 11/2/2022

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>
33.98	34.00	.04

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 10/11/2022
Certification Expiration: 10/11/2023
Simulator testing technician: J. CLEVELAND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO

Certification No: MP2133_10112022

X *Brianna Medrano*

DHSS BAP Scientist Approving



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

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PERMIT
TYPE II
RYAN L. HUTTON

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, INTOX DMT

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 7/12/2022

Mike Massman

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 220178

Debra J. Nielson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 7/12/2024

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 HUTTON, RYAN
 Permit No 220178
 Date Issued 7/12/2022 Date Expires 7/12/2024

