



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

RECEIVED
 By Tracy Crews at 2:05 pm, May 14, 2021

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 100291	NAME OF AGENCY Willow Springs Police Department	DATE OF INSPECTION 05/13/2021
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LOCATION OF INSTRUMENT (STREET AND CITY) Willow Springs Police Department 700 W. Main Street	TIME OF INSPECTION 10:02 am
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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

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>Guth Laboratories</u>	LOT # <u>19160</u> EXP. DATE <u>07/09/2021</u>
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>33.99</u>	SIM. SN <u>MP5539</u> SIM. NIST EXP DATE <u>08/28/2021</u>

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 .10	TEST 2 .101	TEST 3 .101
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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 Wes Ellison
TYPE II PERMIT NUMBER/EXPIRATION DATE #210025 02/20/2023	TELEPHONE NUMBER (417) 469-3158

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: 100291
Version no: 532B

TEST RECORD 00595

Temp Date Time 210L

Air Blank:
05/13/21 10:02 .000
Calibration Check:
21 05/13/21 10:02 .100

Subject Name

TEST #1

Subject I.D.

W. ELLISON

Operator Name, I.D.

210025

Location

WILLOW SPRINGS PD

AS IV Serial no: 100291
Version no: 532B

TEST RECORD 00596

Temp Date Time 210L

Air Blank:
05/13/21 10:04 .000
Calibration Check:
21 05/13/21 10:04 .101

Subject Name

TEST #2

Subject I.D.

W. ELLISON

Operator Name, I.D.

210025

Location

WILLOW SPRINGS PD

AS IV Serial no: 100291
Version no: 532B

TEST RECORD 00598

Temp Date Time 210L

Air Blank:
05/13/21 10:12 .000
Calibration Check:
22 05/13/21 10:12 .101

Subject Name

TEST #3

Subject I.D.

W. ELLISON

Operator Name, I.D.

210025

Location

WILLOW SPRINGS PD

AS IV Serial no: 100291
Version no: 532B

TEST RECORD 00599

Temp Date Time 210L

VOID: RFI
12 05/13/21 10:15

Subject Name

RFI

Subject I.D.

W. ELLISON

Operator Name, I.D.

210025

Location

WILLOW SPRINGS PD



SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP5539 Manufacturer: Guth
 Model Number: 12V500
 Agency: WILLOW SPRINGS PD
 Agency Address: 123 E MAIN ST, WILLOW SPRINGS, MO 65793

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 Bias: 0.00
 Uncertainty: 0.02
 Date of Certification: 10/10/2019 Date of Expiration: 10/10/2020

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: 8/28/2020
 Certification Expiration: 8/28/2021
 Simulator testing technician: M. BOND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER
 Certification No: MP5539_8282020

DHSS BAP Scientist Approving



GUTH LABORATORIES, INC.

600 NORTH 6TH STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-8470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 19160 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on July 10, 2019, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1202% (w/vol) ethyl alcohol. The expiration date for this lot number is July 9, 2021 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 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 FN04271602 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

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PERMIT
TYPE II
WES ELLISON

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 2/20/2021

NUMBER 210025

EXPIRES 2/20/2023

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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 **ELLISON, WES**
 Permit No **210025**
 Date Issued **2/20/2021** Date Expires **2/20/2023**