



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

RECEIVED

By Tracy Crews at 11:11 am, Sep 24, 2020

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 111764	PRINTER SN 09B.3589.452	DATE OF INSPECTION 8/19/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 211 4th Street, Vienna, MO. Marion County Sheriffs Office		TIME OF INSPECTION 1845

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 # **20190**

EXP. DATE **04/06/2022**

SIMULATOR TEMPERATURE (34°C ± 0.2°C) **34°**

SIMULATOR SN **MP4946**

SIMULATOR EXP DATE **1/23/2021**

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 • **.104**

TEST 2 • **.103**

TEST 3 • **.103**

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).

Monthly Maintenance

INSPECTING OFFICER

SIGNATURE **[Signature]**

PRINT NAME

Dale Harp

TYPE II PERMIT NUMBER/EXPIRATION DATE

200197 / 7/8/2022

TELEPHONE NUMBER

573-422-3381

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office
 2875 James Boulevard
 Poplar Bluff, MO 63901

AS IV Serial no: 111764
Version no: 532B

TEST RECORD 00475

Temp	Date	Time	s/	210L
------	------	------	----	------

Air Blank:
08/19/20 18:55 .000
Calibration Check:
21 08/19/20 18:55 .104

Subject Name

Test # 1

Subject I.D.

Dale Harp 917
Operator Name, I.D.

Location

MCSO

Belle Sub Station

AS IV Serial no: 111764
Version no: 532B

TEST RECORD 00476

Temp	Date	Time	s/	210L
------	------	------	----	------

Air Blank:
08/19/20 18:57 .000
Calibration Check:
21 08/19/20 18:57 .103

Subject Name

Test # 2

Subject I.D.

Dale Harp 917
Operator Name, I.D.

Location

MCSO

Belle Sub Station

AS IV Serial no: 111764
Version no: 532B

TEST RECORD 00477

Temp	Date	Time	s/	210L
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Air Blank:
08/19/20 18:59 .000
Calibration Check:
22 08/19/20 18:59 .103

Subject Name

Test # 3

Subject I.D.

Dale Harp 917
Operator Name, I.D.

Location

MCSO

Belle Sub Station

AS IV Serial no: 111764
Version no: 532B

TEST RECORD 00478

Temp	Date	Time	s/	210L
------	------	------	----	------

VOID: RFI
12 08/19/20 19:01

Subject Name

RFI Test

Subject I.D.

Dale Harp 917
Operator Name, I.D.

Location

MCSO

Belle Sub Station



SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP4946 Manufacturer: Guth
 Model Number: 12V500
 Agency: MARIES CO SD
 Agency Address: PO BOX 23, VIENNA, MO 65582

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00689 Bias: 0.00
 Uncertainty: 0.02
 Date of Certification: 1/23/2020 Date of Expiration: 1/23/2021

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>
33.99	34.01	.04

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 6/25/2020
 Certification Expiration: 6/25/2021
 Simulator testing technician: M. BOND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER
 Certification No: MP4946_6252020

X *Brian Lutmer*

DHSS BAP Scientist Approving



GUTH LABORATORIES, INC.

690 NORTH 67th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-564-5470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 20190 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on April 8, 2020, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1206% (w/vol) ethyl alcohol. The expiration date for this lot number is April 6, 2022 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 FN02271802 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

DALE M. HARP

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 7/8/2020

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 200197

EXPIRES 7/8/2022

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)

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 form of expired air in Missouri.

Operator HARP, DALE
 Permit No 200197
 Date Issued 7/8/2020 Date Expires 7/8/2022