



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 107460	PRINTER SN 099.3586.711	DATE OF INSPECTION 02/12/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 461 W. Arrow Marshall, Missouri 65340 (Marshall Missouri Police Department)		TIME OF INSPECTION 10:39 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 # 18190 EXP. DATE 06/12/2020
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 33.9 SIMULATOR SN MP4953 SIMULATOR EXP DATE 10/07/2020

- 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 .103	TEST 2 .102	TEST 3 .102
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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 Joseph E. Valiquette
TYPE II PERMIT NUMBER/EXPIRATION DATE 250315 12/28/2017	TELEPHONE NUMBER (660) 886-7411

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



Missouri Department of Health and Senior Services
 P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
 RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2866 VOICE 1-800-735-2466
 Randall W. Williams, MD, FACOG
 Director



Michael L. Parson
 Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP4953 Manufacturer: Guth
 Model Number: 12V500
 Agency: MARSHALL PD
 Agency Address: 461 W ARROW, MARSHALL, MO 65340

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00689 Bias: 0.00
 Uncertainty: 0.02
 Date of Certification: 12/11/2018 Date of Expiration: 12/11/2019

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	34.01	.06

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 10/7/2019
 Certification Expiration: 10/7/2020
 Simulator testing technician: D. DEBOARD

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER
 Certification No: MP4953_1072019

X *Brian Lutmer*

DHSS BAP Scientist Approving



GUTH LABORATORIES, INC.

580 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 **18190** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **June 14, 2018**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1215%** (w/vol) ethyl alcohol. The expiration date for this lot number is **June 12, 2020** 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.

AS IV Serial nos 107460
Version nos 502B

TEST RECORD 00713 ⁵⁷

Temp Date Time 2100L

Air Blends
02/12/70 18:19 .000
Calibration Check:
25 02/12/70 18:19 .102

Subject Name
J. VALQUETTE

Subject I.D.
J. VALQUETTE 290294 ₄

Operator Name: I.J.
Marshall PD

Location
Kel W. Arrow

Marshall, MO

AS IV Serial nos 107460
Version nos 502B

TEST RECORD 00712 ⁵⁷

Temp Date Time 2100L

Air Blends
02/12/70 18:18 .000
Calibration Check:
25 02/12/70 18:18 .103

Subject Name
J. VALQUETTE

Subject I.D.
J. VALQUETTE 290294

Operator Name: I.J.
Marshall PD

Location
Kel W. Arrow

Marshall, MO

MS IV Serial no: 107460
Version no: 5328

TEST RECORD 00714 %
Temp Date Time 210L

Air Blank:
02/12/70 10:21 .000
Calibration Check:
26 02/12/70 10:21 .102

Subject Name:
J. Veltiquette

Subject I.D.
J. Veltiquette 290294

Operator Name, I.D.
Marshall PD

Location
466 W. Arrow

Marshall, MO

MS IV Serial no: 107460
Version no: 5328

TEST RECORD 00715 %
Temp Date Time 210L

VOID: RFI
12 02/12/70 10:22

Subject Name:
J. Veltiquette

Subject I.D.
J. Veltiquette 290294

Operator Name, I.D.
Marshall PD

Location
466 W. Arrow

Marshall, MO