MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE

RECEIVED
By Carol Day at 8:03 pm, Dec 05, 2015

Complete this report in duplicate at the time of the regular monthly preventati
Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN	PRINTER SN	DATE OF INSPECTION
030791	84.9324.152	12/01/2015
LOCATION OF INSTRUMENT (STREET AND CITY)		TIME OF INSPECTION
Hazelwood Police Department BAT Van		11:50 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 # 14220 EXP. DATE 09/24/2016

☑ SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2742 SIMULATOR EXP DATE 11/09/2016

☑ 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 ☛ .097	TEST 2 ☛ .099	TEST 3 ☛ .098

☑ 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)
0	0	0	0	0	0

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).

Simulator solution: bottle #906. No alterations or modifications made.

INSPECTING OFFICER

SIGNATURE	PRINT NAME
▸ Norman D. Mars II	Norman D. Mars, II
TYPE II PERMIT NUMBER/EXPIRATION DATE	TELEPHONE NUMBER
250243, 11/06/2017	(314) 838-5000

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

GUTH LABORATORIES, INC.
550 NORTH 6TH STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-534-5470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 14220 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 25, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1209% (w/vol) ethyl alcohol. The expiration date for this lot number is September 24, 2016 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 FN04051301 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 no: 030791
Version no: 532B

TEST RECORD 00132

Temp	Date	Time	s/ 210L
Air Blank:			
	12/01/15	11:50	.000
Calibration Check:			
21	12/01/15	11:50	.097

Subject Name
BA MAINT.

Subject I.D.
N/A

Operator Name, I.D.
Norman Mars, 273

Location
Hazelwood PD

BAT VAN

250243, 11-6-17

AS IV Serial no: 030791
Version no: 532B

TEST RECORD 00133

Temp	Date	Time	s/ 210L
Air Blank:			
	12/01/15	11:52	.000
Calibration Check:			
22	12/01/15	11:52	.099

Subject Name
BA MAINT.

Subject I.D.
N/A

Operator Name, I.D.
Norman Mars, 273

Location
Hazelwood PD

BAT Van

250243, 11-6-17

AS IV Serial no: 030791
Version no: 532B

TEST RECORD 00134

Temp	Date	Time	s/ 210L
Air Blank:			
	12/01/15	11:53	.000
Calibration Check:			
23	12/01/15	11:53	.098

Subject Name
BA MAINT.

Subject I.D.
N/A

Operator Name, I.D.
Norman Mars, 273

Location
Hazelwood PD

BAT Van

250243, 11-6-17

AS IV Serial no: 030791
Version no: 532B

TEST RECORD 00135

Temp	Date	Time	s/ 210L
VOID: RFI			
12	~~12/01/15~~	11:54	

Subject Name
BA MAINT.

Subject I.D.
N/A

Operator Name, I.D.
Norman Mars, 273

Location
Hazelwood PD

BAT Van

250243, 11-6-17

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 1-800-735-2966 VOICE 1-800-735-2466
Gail Vasterling
Director

Jeremiah W. (Jay) Nixon
Governor

Missouri Department of Health and Senior Services Breath Alcohol Program

SIMULATOR CALIBRATION REPORT

This is to certify that the simulator listed below has been examined and tested using standards traceable to the National Institute of Standards and Technology (NIST) in accordance to the standards set by the Rules of Missouri Department of Health and Senior Services, 19 CSR 25-30.

SIMULATOR INFORMATION

Agency: HAZELWOOD PD
Serial Number: SD2742
Manufacturer: Guth
Model Number: 10-4D

CALIBRATION RESULTS

Reference Temperature	Simulator Temperature
33.96	34.0

This calibration was performed with NIST-Traceable Thermometer SN: 093752

This simulator was tested by: RWW

This testing was performed: 11/09/2015

This certification expires: 11/09/2016

Signature of certifying DHSS Scientist:

Name of certifying DHSS Scientist: Ellen Strawsine

MISSOURI SAFETY CENTER SIMULATOR CHECK WORKSHEET

Date: 11/9/15 Time: 0900	Date Last Checked: 11/20/2014	Agency	HAZELWOOD PD
Simulator Model:	[ ] 2100 [X] 10-4D [ ] 12V500	Simulator Serial #:	SD 2742
Thermometer serial #:	093752	Email address:	MAILED IN TO US
Thermometer certification date:	09/8/15	Agency property #:	[X] none
Thermometer expiration date:	09/8/16	Thermometer reading	Simulator reading-
1st check time:	11:22	33.96	34.0
2nd check time:	11:24	33.97	34.0
3rd check time:	11:26	33.96	34.0
4th check time:	11:28	33.96	34.0
5th check time:	11:30	33.96	34.0
Average readings:		33.96	34.0
Bias calculation:		-0.04	TECHNICIAN INITIALS: RWW

This form meets or exceeds the requirements of the Missouri Department of Health breath alcohol program.

[✓] Check "o" rings on quick-disconnects and replace as needed.

[✓] Check simulator "o" ring and replace as needed.

[✓] Check jar for breaks/cracks and replace as needed.

COMMENTS:

This simulator is operating within DHSS breath alcohol specifications (19CSR 25-30.051).

SIMULATOR SERIAL NO.:	SD2742
EXPIRATION DATE:	11/09/2016
DATE OF CALIBRATION CHECK:	11/09/2015
NIST REF. THERM. SERIAL NO.:	093752
AVERAGE SIM. TEMP:	33.96 C
ANALYST INITIALS:	RWW