



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 STATE PUBLIC HEALTH LABORATORY  
 BREATH ALCOHOL PROGRAM  
**DATAMASTER MAINTENANCE REPORT**

received 8/5/14-cd  
 REPORT #6

**REVIEWED**  
 By Carol Day at 10:30 am, Aug 27, 2014

Complete this report at the time of the regular monthly preventive maintenance check (not to exceed 35 days).  
 Complete this report whenever the instrument is serviced or repaired and whenever it is placed into service.  
 Retain the original and send a copy within 15 days to the Breath Alcohol Program, DHSS.

DATAMASTER SN 204083	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 07/31/2014
LOCATION OF INSTRUMENT (STREET AND CITY) Mississippi County Jail, 200 West Commercial Street, Charleston		TIME OF INSPECTION 10:01 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.

<input checked="" type="checkbox"/> DIAGNOSTIC CHECK (PRINTOUT ATTACHED)	DATE AND TIME (from printout) 07/31/2014 10:01 am
<input checked="" type="checkbox"/> COMPUTER	<input checked="" type="checkbox"/> DETECTOR
<input checked="" type="checkbox"/> PROGRAM	<input checked="" type="checkbox"/> FILTERS
<input checked="" type="checkbox"/> HEATERS SAMPLE CHAMBER 50 °C	<input checked="" type="checkbox"/> QUARTZ STANDARD
<input checked="" type="checkbox"/> FLOW DETECTOR	<input checked="" type="checkbox"/> CALIBRATION
<input checked="" type="checkbox"/> PUMP HIGH SPEED	<input checked="" type="checkbox"/> PRINTER

<input checked="" type="checkbox"/> INDICATOR LIGHTS
<input checked="" type="checkbox"/> SIMULATOR SOLUTION SUPPLIER Guth Laboratories, Inc. LOT # 13290 EXP. DATE 10/29/2015
<input checked="" type="checkbox"/> SIMULATOR TEMP (34°C ± 0.2°C) 34 °C SIMULATOR SN 1093 EXP. DATE 12/19/2014

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. Mark 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 → .098	TEST 3 → .098
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PERFORM R.F.I. TEST (PRINTOUT ATTACHED)

**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)	1	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	OVER .19	1
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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).

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT FULL NAME Dewey K. Heppe
TYPE II PERMIT NUMBER/EXPIRATION DATE 240095 03/11/2016	TELEPHONE NUMBER (573) 840-9500

RETURN COMPLETED REPORT TO THE:  
 Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
 2875 James Blvd.  
 Poplar Bluff, MO 63901



## GUTH LABORATORIES, INC.

890 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 **13290** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **October 31, 2013**, 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 **October 29, 2015** at 11:59 PM.

When used in a calibrated Simulator, operating at  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L  $\pm$  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 FN122211-02 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.*

**BAC DataMaster**  
Evidence Ticket

MISSOURI STATE HIGHWAY PATROL  
BAC DATAMASTER SERIAL NUMBER 204083  
07/31/14  
10:01

--- DIAGNOSTIC CHECK ---

COMPUTER: OKAY  
PROGRAM (04-07-2009): OKAY  
HEATERS  
SAMPLE CHAMBER: 50c  
FLOW DETECTOR: OKAY  
PUMP  
HIGH SPEED: OKAY  
DETECTOR: OKAY  
FILTERS: OKAY  
QUARTZ STANDARD: OKAY  
CALIBRATION: OKAY

PRINTER TEST

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJK  
LMNOPQRSTUVWXYZ[\]^\_`abcdefg hijklmno  
pqrstuvwxyz{|}~

Operator Signature



**BAC DataMaster**  
Evidence Ticket

MISSOURI STATE HIGHWAY PATROL  
BAC DATAMASTER SERIAL NUMBER 204083  
07/31/14

TESTING OFFICER:  
HEPPE/DEWEY/K  
OFFICER I.D.: 686  
PERMIT NUMBER: 240095  
EXPIRATION DATE: 03/11/16  
MISCELLANEOUS DATA:

--- SUPERVISOR MODE ---

BLANK TEST	.000	10:10
INTERNAL STANDARD	VERIFIED	10:11
EXTERNAL STANDARD	.097	10:11
BLANK TEST	.000	10:12
EXTERNAL STANDARD	.098	10:12
BLANK TEST	.000	10:13
EXTERNAL STANDARD	.098	10:13
BLANK TEST	.000	10:14

N = 3  
SIM. = .1  
AVG. = .0976

Operator Signature



Face This Side Down - This Edge In First

**BAC DataMaster**  
**Evidence Ticket**

MISSOURI STATE HIGHWAY PATROL  
BAC DATAMASTER SERIAL NUMBER 204083  
07/31/14

ARREST TIME: 09:00  
SUBJECT NAME:  
TEST  
DOB: 08/07/67      SEX: M  
STATE/D.L.: MO/123456  
ARRESTING OFFICER:  
HEPPE/DEWEY/K  
OFFICER I.D.: 686  
TESTING OFFICER:  
SAME  
OFFICER I.D.: SAME  
PERMIT NUMBER: 240095  
EXPIRATION DATE: 03/11/16  
MISCELLANEOUS DATA:

--- BREATH ANALYSIS ---

RADIO INTERFERENCE

Operator Signature





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

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**PERMIT  
TYPE II**

**DEWEY K HEPPE**

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

**DATAMASTER, 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 3/11/2014

NUMBER 240095

EXPIRES 3/11/2016

MO 580-0771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

**acting director**

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

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 HEPPE, DEWEY  
Permit No 240095  
Date Issued 3/11/2014 Date Expires 3/11/2016



**Missouri State Highway Patrol**  
**Calibration Certification for the**  
**RepCo Marketing 3402C Simulator**



The individual wet-bath simulator listed herein has been verified operating within specified parameters, in accordance with the MoDHSS State Public Health Laboratory Breath Alcohol Program's "Testing Requirements for the Recalibration of Simulators".

Simulator Inventory Number: 118169

Simulator Serial Number: 1093

Initial Low Temperature Reading: N/A

Data marked N/A at left indicates the simulator required no heater temperature adjustments. Refer to final readings.

Initial High Temperature Reading: N/A

Final Low Temperature Reading: +34.011°C

Final High Temperature Reading: +34.058°C

Simulator Thermometer Reading: +33.990°C

Temperature Variance: 0.047°C

Correction (Bias): 0.045°C

Note: A combined measurement uncertainty of  $\pm 0.04^\circ\text{C}$  applies to final readings.

Thermal validation was performed using 500mL of aqueous solution and allowed to stabilize to a target operating temperature of +34.00 degrees Celsius,  $\pm 0.2$  degree Celsius. The instrument used to confirm thermal performance has been calibrated against standards traceable to the National Institute of Standards and Technology (NIST), as indicated below.

NIST Traceable Thermometer: Ertco-Eutechnics 4400 Digital Thermometer

Serial Number: 307715

Calibrated By: Alpha Technics, 17151 Gillette Avenue, Irvine, CA 92614-5602

Certification Number: 307715073113

Certification Date: 07/31/2013

Expires: 07/31/2014

**Other Control Data**

AC Line Voltage: 121.2 VAC

Ambient Room Temp: +23.1°C

Certification Performed at: GHQ Radio Shop

Certification Date: 12/19/2013

Certification Number: 416277170

Expires: 12/19/2014

Type II/Technician: Chief Tech. D. D. Carver, C41