

**RECEIVED**

By Tracy Crews at 3:36 pm, Apr 15, 2022


 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 102458 093.3578.252	NAME OF AGENCY Brookfield Police Dept.	DATE OF INSPECTION 04/15/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 116 W. Brooks St. Brookfield, MO 64628		TIME OF INSPECTION 10:30 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 RepCo LOT # 21001 EXP. DATE 06/16/2023
 SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2763 SIM. NIST EXP DATE 01/12/2023
 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 0.078% and 0.084% INCLUSIVE  
 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 → 0.102

TEST 2 → 0.102

TEST 3 → 0.101

 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
----------	---	---------	---	-----------	---	-----------	---	-----------	---	------------	---

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).

This instrument meets Dept. of Health standards.

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Stuart Hughes
TYPE II PERMIT NUMBER/EXPIRATION DATE 200188 06/15/2022	TELEPHONE NUMBER (660) 258-3385

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

RS IV Serial no: 102458  
Version no: 532B

TEST RECORD 00956

Temp Date Time 210L

Air Blank: 04/15/22 10:30 .000  
Calibration Check: 24 04/15/22 10:30 .102

Subject Name Simulator  
Subject I.D.

Operator Name, I.D. S. Hughes 200188  
Location BPD

RS IV Serial no: 102458  
Version no: 532B

TEST RECORD 00957

Temp Date Time 210L

Air Blank: 04/15/22 10:32 .000  
Calibration Check: 24 04/15/22 10:32 .102

Subject Name Simulator  
Subject I.D.

Operator Name, I.D. S. Hughes 200188  
Location BPD

RS IV Serial no: 102458  
Version no: 532B

TEST RECORD 00958

Temp Date Time 210L

Air Blank: 04/15/22 10:34 .000  
Calibration Check: 26 04/15/22 10:34 .101

Subject Name Simulator  
Subject I.D.

Operator Name, I.D. S. Hughes 200188  
Location BPD

RS IV Serial no: 102458  
Version no: 532B

TEST RECORD 00959

Temp Date Time 210L

VOID: RFI 12 04/15/22 10:36

Subject Name Simulator  
Subject I.D.

Operator Name, I.D. S. Hughes 200188  
Location BPD

RepCo Marketing Co  
3101-188 Stony Brook Drive  
Raleigh, NC 27604  
919-876-5480

## CERTIFICATE OF ANALYSIS

**MANUFACTURER AND SUPPLIER: RepCo Marketing Co.**

**LOT NUMBER: 21001**

**EXPIRATION DATE: June 16, 2023 at 11:59 p.m.**

RepCo Marketing Co. certifies the following:

RepCo Marketing Co. prepared, tested and supplied Lot Number 21001 of Alcohol Certified Solution for simulators. This solution was manufactured and tested by RepCo Marketing Co., with confirmation by ISO 17025 and ISO 17034 accredited institution Alcohol Countermeasure Systems, using NIST standards. Random samples were analyzed by Alcohol Countermeasure Systems utilizing a gas chromatograph and found to contain .1222 gms/dl +/- .003 gms/dl wt/vol ethanol (95% Confidence).

The alcohol and distilled water used in the solution were found to be free of any interfering substance.

This solution will produce a vapor alcohol value of .100 +/- 3% gms/210L breath when heated to 34 Degrees Celsius +/- 0.2 Degrees Celsius in a simulator (95% Confidence).

The date of manufacture for this lot number is June 17, 2021. The expiration date for this lot number is June 16, 2023 at 11:59 p.m.

This document is a true representation of the original Certificate of Analysis.



Alma Palmer, Operations Manager  
RepCo Marketing Co.


**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

 Donald G. Kauerauf  
 Director

 Michael L. Parson  
 Governor

# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

**Simulator Serial Number:** SD 2763      **Manufacturer:** Guth  
**Model Number:** 10-4D  
**Agency:** BROOKFIELD PD  
**Agency Address:** 116 W BROOKS, BROOKFIELD, MO 64620

## NIST THERMOMETER INFORMATION

**Serial Number:** 17KMM00690      **Bias:** 0.01  
**Uncertainty:** 0.02  
**Date of Certification:** 11/10/2021      **Date of Expiration:** 11/10/2022

## 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	.03

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

## ADJUSTMENT RESULTS

No adjustment was needed.

**Date of testing:** 1/12/2022  
**Certification Expiration:** 1/12/2023  
**Simulator testing technician:** R. SCHILDKNECHT

**Notes on Condition:** none

**Deviation(s) from method:** none

**DHSS BAP Scientist Approving:** BRIANNA MEDRANO

**Certification No:** SD 2763\_1122022

*X Brianna Medrano*

DHSS BAP Scientist Approving

Simulator Calibration Certification

Issued by Lab Manager, DHSS BAP

Revision Date: 05/16/2018

Breath Alcohol Program

1903 Northwood Drive, Suite 4

Poplar Bluff, MO 63901

DHSS BAP Document 3.6A

Revision 1

Page 1 of 1

STUART W HUGHES

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 202.020 through 202.041, RSMo and 306.111 through 306.119 RSMo.

ISSUED 6/15/2020

PERMIT NO 200188

EXPIRES 6/15/2022

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

120433121

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 HUGHES, STUART  
 Permit No 200188  
 Date Issued 6/15/2020 Date Expires 6/15/2022

