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By Tracy Crews at 12:13 pm, Aug 01, 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 07/29/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 116 W. Brooks St. Brookfield, MO 64628		TIME OF INSPECTION 7:00 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 # 21002 EXP. DATE 06/16/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2763 SIM. NIST EXP DATE 01/01/2023

- 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 0.076% and 0.084% INCLUSIVE
 - 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 → 0.101	TEST 2 → 0.100	TEST 3 → 0.099
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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).

This instrument meets Dept. of Health standards.

INSPECTING OFFICER	
SIGNATURE 	PRINT NAME Stuart Hughes
TYPE II PERMIT NUMBER/EXPIRATION DATE 220175 06/29/2024	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.

AS IV Serial no: 102458
Version no: 532B

TEST RECORD 00989

Temp Date Time 210L

Air Blank: 07/29/22 07:30 .000
Calibration Check: 22 07/29/22 07:30 .101

Subject Name
Subject I.D.

Simulator

Operator Name, I.D.

S. Hughes 22-0175

Location

BPD

AS IV Serial no: 102458
Version no: 532B

TEST RECORD 00990

Temp Date Time 210L

Air Blank: 07/29/22 07:32 .000
Calibration Check: 23 07/29/22 07:32 .100

Subject Name
Subject I.D.

Simulator

Operator Name, I.D.

S. Hughes 22-0175

Location

BPD

AS IV Serial no: 102458
Version no: 532B

TEST RECORD 00991

Temp Date Time 210L

Air Blank: 07/29/22 07:35 .000
Calibration Check: 24 07/29/22 07:35 .099

Subject Name
Subject I.D.

Simulator

Operator Name, I.D.

S. Hughes 22-0175

Location

BPD

AS IV Serial no: 102458
Version no: 532B

TEST RECORD 00993

Temp Date Time 210L

VOID: PFI
12 07/29/22 07:39

Subject Name
Subject I.D.

Simulator

Operator Name, I.D.

S. Hughes 22-0175

Location

BPD



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



**PERMIT
TYPE II**

STUART W. HUGHES

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 6/29/2022

NUMBER 220175

EXPIRES 6/29/2024

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R16-10)

 **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 HUGHES, STUART
Permit No 220175
Date Issued 6/29/2022 Date Expires 6/29/2024





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

Table with 3 columns: Simulator Average (34.00), NIST Average (34.00), Combined Uncertainty (.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

Handwritten signature of Brianna Medrano

DHSS BAP Scientist Approving

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.