



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 09/11/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 116 W. Brooks St. Brookfield, MO 64628		TIME OF INSPECTION 11:02 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 08/16/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2763 SIM. NIST EXP DATE 01/07/2022

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 → .095

TEST 3 → .095

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).

Instrument has been placed back into service with new solution.
This instrument meets Dept. of Health standards.

INSPECTING OFFICER

SIGNATURE

 TYPE II PERMIT NUMBER/EXPIRATION DATE
 200188 06/15/2022

PRINT NAME
 Stuart Hughes
 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 00871

Temp Date Time 210L

VOID: RFI
12 09/11/21 11:10

Subject Name
Simulator

Subject I.D.

Operator Name, I.D.
Hughes 200100

Location
BPD

AS IV Serial no: 102458
Version no: 532B

TEST RECORD 00870

Temp Date Time 210L

Air Blank:
09/11/21 11:08 .000

Calibration Checks:
23 09/11/21 11:08 .095

Subject Name
Simulator

Subject I.D.

Operator Name, I.D.
Hughes 200188

Location
BPD

AS IV Serial no: 102458
Version no: 532B

TEST RECORD 00869

Temp Date Time 210L

Air Blank:
09/11/21 11:05 .000

Calibration Checks:
22 09/11/21 11:05 .095

Subject Name
Simulator

Subject I.D.

Operator Name, I.D.
Hughes 200188

Location
BPD

AS IV Serial no: 102458
Version no: 532B

TEST RECORD 00868

Temp Date Time 210L

Air Blank:
09/11/21 11:03 .000

Calibration Checks:
20 09/11/21 11:03 .097

Subject Name
Simulator

Subject I.D.

Operator Name, I.D.
Hughes 200188

Location
BPD



Missouri Department of Health and Senior Services
 P O Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6300 FAX: 573-751-6010
 RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 Voice: 1-800-735-2166
 Randall W. Williams, MD, FACOG
 Director

Michael L. Parson
 Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: SD2763 Manufacturer: Gmb
 Model Number: 10-4D
 Agency: BROOKFIELD PD
 Agency Address: 116 W BROOKS, BROOKFIELD, MO 64620

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 Bias: 0.00
 Uncertainty: 0.02
 Date of Certification: 11/6/2020 Date of Expiration: 11/6/2021

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	34.02	.04

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

ADJUSTMENT RESULTS

No adjustment was needed.

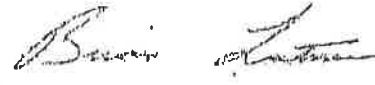
Date of testing: 1/7/2021
 Certification Expiration: 1/7/2022
 Simulator testing technician: D. DEBOARD

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER

Certification No: SD2763_172021

X 
 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.

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

PERMIT
TYPE II

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
577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 6/15/2020

PERMIT NUMBER 200188

EXPIRES 6/15/2022

LAB 4 005 100

[Signature]
DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

[Signature]
DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES
LAB 4 005 100

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

INSTRUMENT OPERATOR CARD

The named individual 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

