



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 STATE PUBLIC HEALTH LABORATORY  
**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

**RECEIVED**  
 By Tracy Crews at 9:54 am, Jun 16, 2023

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 104658	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 06/10/2023
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LOCATION OF INSTRUMENT (STREET AND CITY) 3101 Miller Street, Bethany, MO, 64424	TIME OF INSPECTION 1:25 pm
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**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 MP2502 SIM. NIST EXP DATE 02/06/2023

- 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 ← .099	TEST 2 ← .099	TEST 3 ← .098
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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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Michael J. Miller
TYPE PERMIT NUMBER EXPIRATION DATE 220258 11/17/2024	TELEPHONE NUMBER (816) 387-2345

**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: 104658  
Version no: 532B

TEST RECORD 00395

Temp Date Time 210L

Air Blank:  
06/10/23 13:28 .000  
Calibration Check:  
22 06/10/23 13:28 .099

Subject Name

MAINTENANCE #1

Subject I.D.

N/A

Operator Name, I.D.

M.J. MILLER #1418

Location

3101 MILLER STREET

BETHANY, MD, 64424

AS IV Serial no: 104658  
Version no: 532B

TEST RECORD 00396

Temp Date Time 210L

Air Blank:  
06/10/23 13:31 .000  
Calibration Check:  
22 06/10/23 13:31 .099

Subject Name

MAINTENANCE #2

Subject I.D.

N/A

Operator Name, I.D.

M.J. MILLER #1418

Location

3101 MILLER STREET

BETHANY, MD, 64424

AS IV Serial no: 104658  
Version no: 532B

TEST RECORD 00397

Temp Date Time 210L

Air Blank:  
06/10/23 13:33 .000  
Calibration Check:  
23 06/10/23 13:33 .098

Subject Name

MAINTENANCE #3

Subject I.D.

N/A

Operator Name, I.D.

M.J. MILLER #1418

Location

3101 MILLER STREET

BETHANY, MD, 64424

AS IV Serial no: 104658  
Version no: 532B

TEST RECORD 00398

Temp Date Time 210L

VOID: RFI  
12 06/10/23 13:35

Subject Name

MAINTENANCE RFI

Subject I.D.

N/A

Operator Name, I.D.

M.J. MILLER #1418

Location

3101 MILLER STREET

BETHANY MD, 64424

## 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:

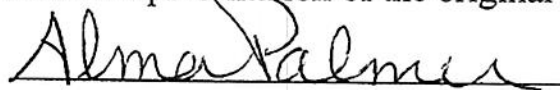
RepCo Marketing Co. prepared, tested and supplied Lot Number 21001 of Alcohol Certified Solution for simulators. This solution was manufactured and tested by RepCo Marketing Co., with confirmation by ISO 17025 and ISO 17034 accredited institution Alcohol Countermeasure Systems, using NIST standards. 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.



Airgas USA LLC (LAB)  
3500 Bernard Street  
St. Louis, Mo. 63103  
Ph: (314) 533-3100  
Fax: (314) 533-7328

### Certificate of Analysis

**Customer Name**  
Exclusive Supplier  
Intoximeters, Inc.  
2081 Craig Road  
St. Louis, Mo 63146

**Test Date:** 8-Sep-2021

**Lot #** AG125101 **Model** 108

<b>Exp Date</b> 8-Sep-2023	<b>Cyl. Type</b> 108	<b>Component</b> Ethanol Nitrogen	<b>Certified Concentration</b> 0.100 ± 2% BrAC (260 ppm)
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**Certification Traceable to N.I.S.T. RGM and to CRM Ethanol Standards:**

RGM Serial No.	Concentration
EB0010581	392.1 ppm
EB0010570	259.8 ppm
EB0010285	208.0 ppm
EB0010561	103.6 ppm
EB0010681	52.12 ppm

RGM Serial No.	Concentration
EB0010603	393.0 ppm
EB0010559	258.2 ppm
EB0010595	208.3 ppm
EB0010562	104.2 ppm
EB0010579	52.81 ppm

CRM Serial No.	Concentration
CC434668	800.0 ppm
CC234503	253.0 ppm

CRM Serial No.	Concentration
0056649	390.1 ppm
0056662	150.2 ppm

**Analytical Method:** NDIR

Digitally signed by:Quality Control  
Reason:Dry gas standard certification of analysis  
Location:Airgas USA LLC (Lab)  
Date:09.09.2021 14:28

**Approved for Release:**

Rod Marsala

**ISO 17025:2017 A2LA accredited. Certificate Number 3082.06**  
**ISO 17034:2016 A2LA accredited. Certificate Number 3082.07**



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

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**PERMIT**  
**TYPE II**  
**MICHAEL J. MILLER**

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, 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 11/17/2022

*Mike Massum*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 220258

*Paula J. Nickelson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 11/17/2024

MO 580-0771 (6-10)

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 MILLER, MICHAEL  
Permit No 220258  
Date Issued 11/17/2022 Date Expires 11/17/2024

