



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 095961	PRINTER SN 099.3586.643	DATE OF INSPECTION 09/21/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 715 W Center Circle, Nixa MO		TIME OF INSPECTION 4:00 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 ACS LOT # 202205A EXP. DATE 05/17/2024

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN MP5537 SIMULATOR EXP DATE 07/19/2024

- 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 ➡ 0.103	TEST 2 ➡ 0.103	TEST 3 ➡ 0.102
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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-.04)	(.05-.09)	(.10-.14)	(.15-.19)	(OVER .19)
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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).  
Meets and exceeds standards.

This instrument is assigned to the Sparta, Missouri Police Department. The Maintenance was completed by the Nixa, Missouri Police Department.

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Sgt R Seiner - Nixa PD
TYPE II PERMIT NUMBER/EXPIRATION DATE 220217 09/02/2024	TELEPHONE NUMBER (417) 725-2510

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901

# Nixa Police Department

## Calibration Check slip's

AS IV Serial no: 095961  
Version no: 532B

TEST RECORD 02741

Temp Date Time 210L<sup>s/</sup>

Air Blank:  
09/21/23 04:10 .000  
Calibration Check:  
19 09/21/23 04:10 .103

Subject Name  
TEST 1

Subject I.D.

Operator Name, I.D.  
SEINER

Location  
NIXA PD

AS IV Serial no: 095961  
Version no: 532B

TEST RECORD 02742

Temp Date Time 210L<sup>s/</sup>

Air Blank:  
09/21/23 04:13 .000  
Calibration Check:  
20 09/21/23 04:13 .103

Subject Name  
TEST 2

Subject I.D.

Operator Name, I.D.  
SEINER

Location  
NIXA PD

AS IV Serial no: 095961  
Version no: 532B

TEST RECORD 02743

Temp Date Time 210L<sup>s/</sup>

Air Blank:  
09/21/23 04:15 .000  
Calibration Check:  
22 09/21/23 04:15 .102

Subject Name  
TEST 3

Subject I.D.

Operator Name, I.D.  
SEINER

Location  
NIXA PD

# Nixa Police Department

## RFI Evidence slip

AS IV Serial no: 095961			
Version no: 532B			
TEST RECORD 02745			
Temp	Date	Time	s/ 210L
-----			
VOID: RFI			
12 09/21/23 04:19			
-----			
Subject Name			
RFI TEST			
-----			
Subject I.D.			
-----			
Operator Name: I.D.			
SEINER			
-----			
Location			
NIXA PD			
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# Nixa Police Department

## Blank (Zero) test Evidence slip

AS IV Serial no: 095961			
Version no: 532B			
TEST RECORD 02744			
Temp	Date	Time	210L <sup>9/</sup>
-----			
Air Blank:			
	09/21/23	04:18	.000
Subject Test: Auto			
	23 09/21/23	04:18	.000
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Subject Name			
BLANK TEST			
-----			
Subject I.D.			
-----			
Operator Name, I.D.			
SEWER			
-----			
Location			
NIXA PD			
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## Reference Material Certificate of Analysis

Product identification:	Alcohol Reference Solution (ARS)
CRM:	Ethanol in aqueous solution
Reference concentration:	<u>1.2100</u> g/L
Analytical concentration:	<u>1.2153</u> g/L
Batch size:	<u>2291</u> bottles
Lot number:	<u>202205A</u>
Date of production:	<u>2022.05.17</u> (yyyy.mm.dd)

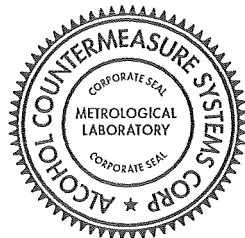
This certificate covers the production, analysis and certification of the Certified Reference Material (CRM) manufactured by Alcohol Countermeasure Systems Corp (ACS), located at 60 International Boulevard, Toronto, ON M9W 6J2 CANADA.

This metrology laboratory is accredited in accordance with international standards ISO/IEC 17025:2017 for competence of testing and calibration laboratories, and ISO/IEC 17034:2016 for the competence of reference material producers, demonstrating technical competence within the defined scope and the operation of a laboratory quality management system.

The analysis for certification of each lot of ARS is conducted within ACS forensic laboratory by an independent chemist using the direct injection, flame ionization gas chromatographic procedure coupled with the internal standard technique commensurate with forensic alcohol analysis.

This certificate is valid only for the ARS lot number identified above and does not extend to any other production lot of alcohol reference solution.

This certificate may only be reproduced in full.



For and on behalf of the company,  
ALCOHOL COUNTERMEASURE  
SYSTEMS CORP.

Felix JE Comeau, B.Sc (Honours)  
Laboratory Director