

## MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES STATE PUBLIC HEALTH LABORATORY

# RECEIVED By Tracy Crews at 8:03 am, Nov 08, 2024

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

REPORT #7

**(568.5										
Complete this report in du Send copy to Department							d whenev	ver instrument is	repaired.	
ALCO SENSOR IV SN 111648		NAME OF AGENCY Missouri State Highway Patrol					DATE OF INSPECTION 11/07/2024			
LOCATION OF INSTRUMENT (STREET AND CITY) 891 Technology Drive, Weldon Spring (Mobile Instrument)							9:13 am			
CHECKLIST: Place a mar					perating	within establish	ed limits.	(Write in observ	ed values	
where determined.) Unmarked items must be corrected before using instrument.										
DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)										
✓ TEMPERATURE OF ALCO SENSOR (10°C - 40°C)										
☑ TIME AND DATE DISPLAYING PROPERLY										
BREATH ALCOHOL ACC	CURACY STANDAL	RDS								
☑ SIMULATOR SOLUTION ☐ COMPRESSED ETHANOL-GAS MIXTURE										
✓ STANDARD SUPPLIER Guth Laboritories, INC LOT # 23390 · EXE							10/18/2	2025		
SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.00 SIM. SN MP2319 SIM. NIST EXP DATE								DATE 01/16/2	2025	
<ul> <li>✓ 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     </li> </ul>										
TEST 1 • 0.100		TEST 2   0.100				TEST 3 <b>▼</b> 0.101				
RFI DETECTOR OPE	RATING									
INDICATE THE NUMBER (DO NOT INCLUDE SELI			LLOWIN	G RANGES	SINCE	THE LAST MAI	NTENAN	ICE REPORT:		
REFUSALS 0	(004) 0	(.0509)	0	(.1014)	0	(.1519)	0	(OVER .19)	0	
List any new parts and de established limits (use oth			ion that v	vas made to	restore	the instrument	to operat	te satisfactorily a	and within	
INSPECTING OFFICER										
SIGNATURE CON CONTROL						Trooper Clay Robert Knox				
Permit #240025, Expires 01/26/2026						(636) 300-2800				
Return completed repor	t to the: Breath A	cohol Program	n, MO De	partment of H	lealth a	nd Senior Service	es, Sout	theast District Of	fice	

AS IV Serial no: 111648
Version no: 532B

TEST RECORD 00563

Year Date Time 210L

Air Blank:
10/07/24 09:13 .000
Calibration Check:
23 10/07/24 09:13 .100

Subject Name

Main+
Subject I.D.

Operator Name, I.D.

Un Khox 240025
Location

Troop C HQ

AS IV Serial not 111648
Version no: 532B

TEST RECORD 00564

Temp Date Time 210L

Air Blank:
10/07/24 09:15 .000
Calibration Check:
23 10/07/24 09:15 .100

Subject Name
Moih
Subject I.D.

Operator Name, I.D.

(IKAOX A 10025)
Location
Troop C H Q

AS IV Serial no: 111648
Version no: 532B

TEST RECORD 00565

Temp Date Time 210L

Air Blank: 10/07/24 09:16 .000
Calibration Check: 24 10/07/24 09:16 .101

Subject Name

Marh

Subject I.D.

Operator Name, I.D.

Like Por 240055
Location

Troop C H Q

AS IV Serial no: 111648
Version no: 532B

TEST RECORD 00566

Year Date Time 210L

VOID: RFI
12 10/07/24 09:18

Subject Name

Maint

Subject I.D.

Operator Name, I.D.

C. Khox 24005

Location

Troop C Ha



#### CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 23390 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on October 18, 2023, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1207% (w/vol) ethyl alcohol. The expiration date for this lot number is October 17, 2025 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 3%.

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President GUTH LABORATORIES, INC.

NIST Traceability:

Testing was conducted using Cerilliant Reference Standard lot number FN03072301 whose values are traceable to NIST.

All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.



#### STATE OF MISSOURI

DEPARTMENT OF HEALTH AND SENIOR SERVICES
BREATH ALCOHOL PROGRAM



# PERMIT TYPE II

### **CLAY KNOX**

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

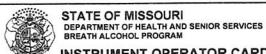
DATE 1/26/2024

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)



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 ail in Missouri.

Operator KNOX, CLAY Permit No 240025

Date Issued 1/26/2024 Date Expires 1/26/2026

