

**RAKIRO BIOTECH SYSTEMS PVT LTD**

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Doc No : TDSWTROB800**Date :** 01-04-2024**Type :** UDAAQ**Product Code :** WTROB800**PRODUCT DATA SHEET**> **INFORMATION**

Product Code: WTROB800

Product Name: RO Membrane Biocide Nano Silver H2O2 based

Application: RO Treatment

> **DESCRIPTION**

RO membranes often get fouled by organic matter and other slimy deposits. This damages the membrane and reduces efficiency of RO systems. Our WTROB800 is a highly effective Micro Biocide formulation, an active combination of Nano Silver and Hydrogen Peroxide. It is effective in controlling bacterial growth, algae & fungal growth in all types of membrane. This combination is lethal to microbes, wherein Hydrogen peroxide disrupts microbial cell membrane, while Nano Silver penetrates in the cell, inhibiting enzymes needed for microbial metabolism and Nano silver also disrupts DNA strands.

> **SALIENT FEATURES**

Food Grade RO Water Treatment

NSF Certified for Drinking Water RO Treatment

Environment-friendly and Non-Toxic RO Treatment

Economical and Ready to use in 5/20 KG Pack

High Chemical Stability with Enhanced Inhibition

Easy to handle with Rapid Action for Instant solution

Complete RO Plant Protection to Enhance life

> **CERTIFICATIONS**

NSF - Food Grade Certified / Drinking Water Treatment Chemical for RO System

NSF - 60 Certification

> **ANALYTICAL DATA**

Appearance : COLOURLESS TO OFF WHITE COLOUR LIQUID

pH : 2.00 - 5.00

Density : 1.00 - 1.10

> **HANDLING INSTRUCTIONS**

The use of protective Clothing, facemask, safety goggles, shoes and gloves are mandatory. Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.

> **RECOMMENDED DOSAGE**

WTROB800 application depend on the severity of the membrane fouling and specific system parameter, Kindly refer RO Membrane manufacturer literature for specific product application.

OFFLINE CLEANING PROCESS

A) Potable Water - We recommend a 2% by volume solution of WTROB800 should be used to circulate for 1 hrs and soak the membrane for a contact time of 2-3 hrs depending on the Biological contamination.

B) Non-Potable Water - We recommend a 10% by volume solution of WTROB800 should be used to circulate for 1 hrs and soak the membrane for a contact time of 2-3 hrs depending on the Biological contamination.

Note: After the cleaning solution is removed, an alkaline surfactant based cleaning solution (WT-ROC1800) should be used to remove dead organic matters. All Biocide traces are to be removed through flushing with RO permeate water before using the system.

ONLINE CLEANING PROCESS (Non-Potable Water)

We recommend a 5 - 10 PPM of inline continuous dosage of WTROB800 depending on the Biological contamination.