

**RAKIRO BIOTECH SYSTEMS PVT LTD**

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**Doc No :** TDSWTSH050  
**Date :** 01-04-2024  
**Type :** UDAAQ  
**Product Code :** WTSH050

**PRODUCT DATA SHEET****> INFORMATION**

Product Code: WTSH050

Product Name: Nano Silver Hydrogen Peroxide 50%

Application: Disinfectant

**> DESCRIPTION**

WTSH50, an active combination of Nano Silver and Hydrogen Peroxide is an effective Microbicidal formulation. WTSH50 is effective in controlling bacterial growth, algae & fungal growth in all types of Waters and Surfaces. 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. The Nano silver disrupts DNA strands and catalyses the decomposition of H<sub>2</sub>O<sub>2</sub> releasing oxygen and generating heat thereby helping in disinfection. WTSH50 is a Food Grade Formulation Certified by NSF-USA under the NSF60 Standard.

**Ingredients:**

Hydrogen Peroxide - 48-50%

Silver - 500 PPM

**> SALIENT FEATURES**

Food Grade Disinfectant

NSF 60 Certified for Drinking Water Treatment

Environment-friendly and Non-Toxic Cleaner

Economical and Ready to use in Packing

High Chemical Stability with Enhanced Cleaning

Easy to handle with Rapid Action for Instant Sanitization

Complete Microbial Protection

**> CERTIFICATIONS**

NSF - Food Grade Certified Disinfectant

NSF - 60 Certification

**> ANALYTICAL DATA**

Appearance : COLOURLESS TO OFF WHITE COLOUR LIQUID

pH : 2.00 - 4.00

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**

It is important to note that dosages of WTSH50 depends on the application.

**Liquid Treatment**

Drinking Water,Swimming Pool,Aquariums,Washing Systems, Beverages, Laundry, Surgical, &amp; Waste Water

The dosages have to be between 30 - 50 PPM depending on the application

**Surface Treatment**

Disinfection of Clean Rooms, Surfaces, Equipment, Filters, Packing items and Waste Disposal

The dosages have to be between 0.1% to 2% depending on the application

**Air Fumigation**

Spray Fumigation of Clean Room, Production Floor, Hospitals, Institutes

The dosages have to be between 2% to 5% depending on the application.

The exact dosage depends on the Microbial Contamination, Material of Treatment, Contact time, pH of Liquid, Temperature.