



RAKIRO

Create...Innovate...Deliver!

Rakiro Biotech Systems Private Limited
www.rakiro.net

About Us

Rakiro provides solutions for testing, measurement and water treatment for the process Industry. In past few years we have made a mark in the field of testing and have a strong presence in India as well as other parts of the world with a wide network of dealers & distributors. Also with a vast experience in the field of water treatment our chemical division specializes in chemical formulations required in the smooth running of various processes and helps improve the efficiency of production. We are truly invested in understanding our clients' needs and working with them to deliver high quality solutions, with continuously reviewing and improving our way of working. All our products are evaluated and approved by major institutes and authorities in India.

Our Infrastructure

Our pragmatic workforce & state of the art manufacturing facility produces a wide range of Instruments & Field Test Kits for both microbiological & chemical analytical parameters. Our ERP system based operations help us to make majority of the product range available of the shelf. This helps all our clients in enhancing the pace of onsite Testing or Treatment & thus efficiently monitor a running process. We understand the importance of systems and processes for smooth functioning and thus we follow system driven operations. We have acquired ISO 9001:2015 certification for our Quality Management System (QMS).



Automized Production

Instrument Assembly



Quality Control

R&D Laboratory



Our Team

For us leadership is not about glorious crowning acts. It's about keeping your team focused on a goal and motivated to do their best to achieve it.



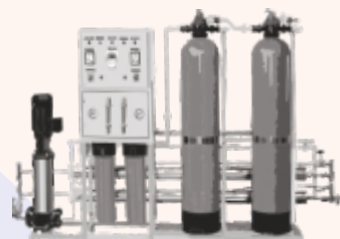
UDAAQ

COMPLETE WATER SOLUTIONS

We have in our repertoire a basket full of Water Treatment Chemical Formulations, manufactured to international quality standards for various applications. Our high performance chemical treatment products are used successfully in many of the industrial process environments where they help to reduce cost by improving the productivity & optimizing performance. Our range of formulations include water treatment chemicals for the following systems.

REVERSE OSMOSIS CHEMICALS

Reverse Osmosis (R.O.) is commonly used for desalination (demineralization) and purification of water as it proves economical in the long run. The performance of a R.O. system gets hampered due to impurities that build up on the membrane surface during operations. Suspended solids, microorganisms and mineral scale can foul membrane elements. These deposits can cause loss in output and/or rejection levels and reduce total system performance. Our formulations based on modern polymers help to greatly reduce deposits, impurities, and scale in your system's membranes. Our NSF Certified (NSF/ANSI 60) range of formulated Antiscalants, Antifoulants and Cleaners are specially designed chemicals that keep these contaminants from attaching to the membrane surface. They also prove economical in the long run.



R O ANTI-SCALANT (CERTIFIED TO NSF/ANSI 60)

Scaling is caused in membranes because the level of hardness salts in the water becomes highly concentrated as it passes through the RO unit. In smaller units scale formation can be prevented by base exchange softening the make-up water but for larger systems that is very expensive. We have developed a range of easy to handle, cost effective RO Antiscalant which increase the solubility of the hardness salts so they remain in solution rather than forming scale on the membrane. Our cost effective advance Polymer based RO antiscalants will inhibit a wide range of foulants including: calcium carbonate, calcium sulphate, barium sulphate, strontium sulphate, calcium fluoride, silica and iron.

| Sr | Product Code | Product Description | Packing |
|----|--------------|--|------------|
| 1 | WTRD300 | For Moderate TDS & Silica (NSF Certified) | 5Kg /20 Kg |
| 2 | WTRD301 | For Moderate TDS & Silica (High pH) (NSF Certified) | 5Kg /20 Kg |
| 3 | WTRD310 | For Moderate TDS & High Silica (NSF Certified) | 5Kg /20 Kg |
| 4 | WTRD320 | For High TDS & High Silica (NSF Certified) | 5Kg /20 Kg |
| 5 | WTRD305 | For Moderate TDS & Silica (with Phosphate) (NSF Certified) | 5Kg /20 Kg |

R O CLEANER (CERTIFIED TO NSF/ANSI 60)

Regular chemical cleaning of RO membranes will help to increase its performance and will extend its useful life. The main concern with cleaning is that it should be done before the situation gets too bad as then the membrane may become fouled and will have to be replaced. Cleaning should be undertaken regularly after a predetermined interval. Our NSF Certified Cleaner are highly effective cleaning chemical which very effectively removes deposits including carbonate, silicate, sulphate, phosphate of Calcium, Barium, Strontium, scales, deposits including colloids and organic biofoulants

| Sr | Product Code | Product Description | Packing |
|----|--------------|----------------------------------|------------|
| 1 | WTROC1600 | Acidic Cleaner (NSF Certified) | 5Kg /20 Kg |
| 2 | WTROC1800 | Alkaline Cleaner (NSF Certified) | 5Kg /20 Kg |

R O BIOFOULING CLEANER (CERTIFIED TO NSF/ANSI 60)

Our micro biocide is highly effective against all type of biofilm including sessile & planktonic organisms. It helps to cleans organic debris and biofilm & keeps the membrane surface free from biofouling. Its Broad spectrum efficacy makes it compatible with tap water, brackish water, sea water & other chlorine resistance membranes.

| Sr | Product Code | Product Description | Packing |
|----|--------------|--|------------|
| 1 | WTROB700 | Biofouling Cleaner (Isothiozoline Based) | 5Kg /20 Kg |
| 2 | WTROB800 | Biofouling Cleaner (Nano Silver & Hydrogen Peroxide Based) (NSF Certified) | 5Kg /20 Kg |
| 3 | WTROB900 | Biofouling Cleaner (DBNPA Based) (NSF Certified) | 5Kg /20 Kg |

PH BOOSTER (CERTIFIED TO NSF/ANSI 60)

The control of water pH and alkalinity levels is very important in order to reduce corrosion. Depending on the natural feed water alkalinity, it is often necessary to add an alkalinity builder in order to establish the correct water chemistry by raising the water pH which helps to protect the system from acid corrosion.

| Sr | Product Code | Product Description | Packing |
|----|--------------|--|------------|
| 1 | WTP200 | To Increase pH in RO Water (NSF Certified) | 5Kg /20 Kg |

Our Clients



Our Network



RAKIRO

RAKIRO BIOTECH SYSTEMS PVT LTD

R466 MIDC Rabale Navi Mumbai 400701 INDIA
Email: sales@rakiro.net Tel No: +91-22-47804040

