

Introduction

PELICAN-301 RO Antiscalant (HIGH PH) is a super-threshold RO membrane antiscalant and antifoulant which is able to stabilize a wide range of supersaturated salt solutions, thereby preventing the precipitation on the membrane surface.

It reduces the risk of scaling and eliminates the use of hazardous acids, resulting in efficient plant operation with highest possible conversion rate.



It is a very effective antiscalant for waters with LSI up to +2.6, Iron up to 1.2ppm in reject, Silica up to 166ppm (or mg/l), High SDI. It is also compatible with ALSTAFLOC series of coagulant and flocculants (polyelectrolyte). PELICAN-301 RO Antiscalant (HIGH PH) is effective in minimizing scaling in presence of foulants like Calcium Carbonate, Sulfate salts of Calcium, Barium, Strontium and Magnesium, Calcium Fluoride, Iron and Silica.

Highlights

- Effective scale inhibition
- Alkalinity builderHigh recovery rate
- Low Chemical dosage
- Cost Effective
- Effective Iron fouling control by sequestration
- Reduced frequency of membrane cleaning
- Compatible with all types of membranes
- Completely organic and biodegradable

Specification

PH	10 to 12
Appearance	Colorless to pale yellow liquid
Water Solubility	Completely soluble
Solid Content	33 to 34% w/w
Specific Gravity	1. 35 to 1. 45



PELICAN-301

High pH RO Antiscalant

Application and Dosage

PELICAN-301 RO Antiscalant (HIGH PH) is dosed directly to the RO feed water tank or feed water line (after pretreatment) at the minimum recommended dosage of 1ppm and maximum dosage at 15ppm, subject to inlet water quality and parameters is respect of Calcium Hardness, Iron, TDS, Alkalinity, pH and silica content.

In case of high iron content of about 0.5 to 1.0ppm, the dosing has to be increased by 10-15ppm for stabilizing Calcium.

At about 10-15ppm dosage PELICAN-301 RO Antiscalant (HIGH PH) is capable of fully inhibiting iron and calcium, and silica up to 166ppm

Storage

Storage This product should be stored in original containers in cool and dry place, away from sources of heat, flame and direct sunlight.

Packaging

10 -50 Litre Packging Available