Pretreat Plus™ 0100

Pretreat Plus™ 0100 is a highly effective antiscalant, specially formulated for feedwaters with the highest levels of metal oxides, silica, and scale-forming minerals. It is effective over a wide range of concentrations, and does not flocculate dissolved polymers such as residual coagulants or any of chelator-rich silicas. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis (RO), nanofiltration (NF), and ultrafiltration (UF) systems. A special utility in its application as a substitute for pretreatment with ion exchange beds.

**Product Benefits:**

- Effective in reducing precipitation and precipitation of silica
- Effectively controls inorganic scale over a large concentration range.
- Certified under ANSI/NSF Standard 60 for drinking water production.
- Compatible with major manufacturer’s RO, NF, and UF membranes.
- Does not flocculate dissolved iron/aluminum oxide/silica complexes.
- Effective in controlling calcium carbonate and calcium silicate scales.
- Effective in feedwaters with pH range 5.5 – 10.0
- Effective in controlling aluminum, iron, and heavy metal ions.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Liquid</th>
<th>Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apparentness</td>
<td>Clear, colorless</td>
<td>Clear, colorless</td>
</tr>
<tr>
<td>pH</td>
<td>7.0 ≤ 0.5</td>
<td>7.0 ≤ 0.5</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.03 ± 0.05</td>
<td>1.03 ± 0.05</td>
</tr>
</tbody>
</table>

**Description:**

In the normal dosage range of 1–15 mg/L (max), control of a wide range of inorganic scale up to 100 x saturation values or higher is possible. By maintaining the concentration slurry and dose chart, optimal dosage can be achieved for the control of scale including those from calcium carbonate, calcium silicate, ferrous silicate, strontium silicate, iron hydroxide, aluminum hydroxide and silica.

**Application:**

Pretreat Plus™ 0100 should be injected into the feedstream prior to the media mixer and cartridge filter. Effective pH range is 5.5–10. If known, may be chelated and mixed before use. Stability in water is excellent, has been used within 12 months.

**Packaging:**

Standard and custom sizes, packs, drums, and totes.