

# Soltellus™ 2402L

A Biodegradable Scale Inhibitor that Enhances System Efficiency & Extends the Lifespan of Process Equipment

## Overview

Introducing Soltellus™ 2402L polymer, a biodegradable scale inhibitor designed to revolutionize water treatment processes in membrane filtration, manufacturing, mining, and oil and gas. With Soltellus, you can safeguard equipment, enhance performance, and contribute to a greener future.

## Soltellus 2402L Key Features & Benefits

### HIGHLY EFFECTIVE SCALE PREVENTION

Provides superior protection against scale formation, reducing downtime and maintenance costs.

### MULTI-APPLICATION COMPATIBILITY

Suitable for membrane filtration and oilfield-produced water, offering versatility and ease of implementation across various water treatment systems while complying with relevant regulations.

### SAFE & NON-TOXIC

Ensures the safety of operators, nearby ecosystems, and the environment while maintaining peak performance.

### COST SAVINGS

Enhances the lifespan of equipment, minimizing the need for frequent replacements and reducing operational expenses.

### ENHANCED EFFICIENCY

Optimizes water flow, improving energy efficiency and reducing the overall carbon footprint.

### EASY INTEGRATION

Compatible with existing water treatment systems, and can be seamlessly integrated into your current processes without requiring extensive modifications or disrupting existing coatings.

Up to  
**22%**

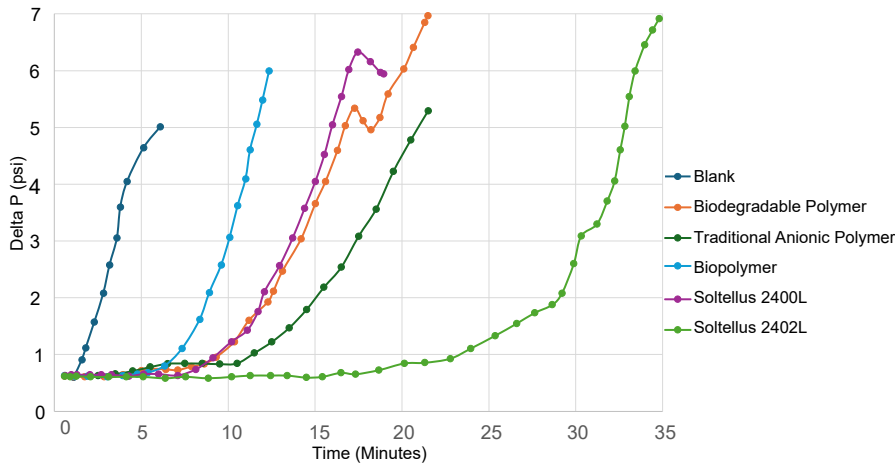
Increase in Performance  
Compared to Current Conventional  
Polyaspartate Offerings

**>95%**  
Reduction in Scale

## Soltellus Scale Inhibition Benefits by Market

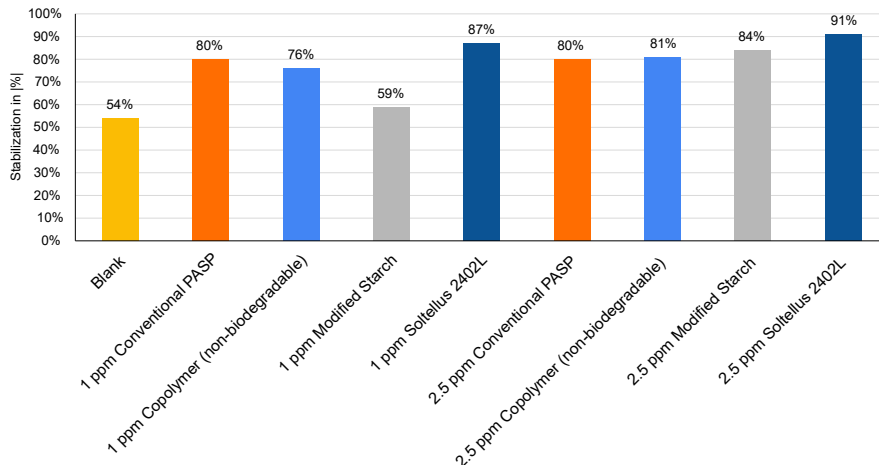
	Eliminate Flow Restriction	Increase Production & Recovery	Environmental Impact
Oil Fields	<ul style="list-style-type: none"> <li>&gt;90% reduction in calcium carbonate &amp; barium sulfate scale</li> <li>Effective in dosages of 15 ppm</li> </ul>	<ul style="list-style-type: none"> <li>+30% increase in oil &amp; gas production</li> <li>&lt;50% freshwater demand</li> </ul>	<ul style="list-style-type: none"> <li>No phosphorus release</li> <li>Biodegradable</li> </ul>
Membrane Filtration	<ul style="list-style-type: none"> <li>&gt;80% reduction in calcium carbonate &amp; barium sulfate scale</li> <li>Improved flux rates</li> </ul>	<ul style="list-style-type: none"> <li>&gt;70% recovery of permeate water</li> </ul>	<ul style="list-style-type: none"> <li>No phosphorus release</li> <li>Biodegradable</li> </ul>

## Soltellus Inhibited Scale Formation Significantly Longer than Conventional Polyaspartate



Third-party Once-Through DMEG tests were conducted with Soltellus and conventional scale inhibitors at a low dosage of 2 ppm. Soltellus inhibited scale significantly longer than conventional PASP and non-biodegradable alternatives. The method involved calcium and carbonate solutions pumped through a heated capillary, measuring pressure increases over time.

## Soltellus Outperformed Commercial Anti-Scalants Including Conventional Polyaspartate



Third-party Shaker Bath tests were conducted with Soltellus and other conventional scale inhibition alternatives at low dosages of 0.5 ppm, 1.0 ppm, and 2.5 ppm. Soltellus showed better calcium carbonate stabilization than current conventional polyaspartate (PASP) offerings and performed on par with conventional non-biodegradable alternatives.