



SpectraGuard™ 281 is a concentrated antiscalant/dispersant with strong carbonate and sulfate inhibition capabilities. Best suited for feed waters with relatively low scaling potential, SpectraGuard 281 is an economical antiscalant developed to provide basic scale control in a wide variety of membrane systems. Compatible with cationic polymers commonly fed in upstream systems, SpectraGuard™ 281 can be used in light municipal, well, and industrial applications.

### Features / Benefits

- Compatible with cationic polymers commonly fed in upstream system components (such as Professional Water Technologies™ FilteRx™ product line)
- Concentrated formula significantly reduces freight and inventory requirements
- Stable molecular structure maintains integrity in high pH and high temperature applications
- Classified for use in membrane systems producing drinking water (ANSI/NSF Standard 60)

### Uses

- Control of calcium carbonate, calcium sulfate, barium sulfate and calcium fluoride

### Specifications

Appearance	Pale yellow or colorless
pH (solution 1%)	1.50 – 2.00
Density (kg/liter)	1.40 – 1.50



### Packaging

Pail: 5 gallon/18.9 liter

Tote: 275 gallon/1,040 liter

Drum: 55 gallon/208 liter

Bulk: available upon request

*For special packaging options, please contact PWT or your local distributor.*

**SpectraGuard™ 281**  
CONCENTRATED, LIQUID REVERSE OSMOSIS ANTISCALANT

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## General Mixing & Application Instructions for SpectraGuard™ 281

1. Typical dose rates are 0.18 to 0.56 mg/l
2. Contact Professional Water Technologies™ or your local distributor for custom chemical dosing recommendation

## ProDose XPRT™ – Scaling Prediction Software

PWT proprietary scaling prediction software, ProDose XPRT™ provides immediate dosage capabilities for our specialty chemicals. The software can create cases to study multiple operating conditions, and directly enter concentrate analyses leading to the optimal selection of PWT product and dosage. ProDose XPRT™ can generate complete and comprehensive reports detailing the scaling projections.

*ProDose XPRT™ is available upon request only.*

*Please contact your PWT representative for more information.*

The screenshot displays the PWT ProDose software interface. At the top, there is a navigation bar with the PWT logo and several tabs: UNITS (US), TEMPERATURE (Fahrenheit), PERMEATE FLOW (81.00), RECOVERY (75.0%), ANTISCALANT (SpectraGuard Liquid), DOSAGE (2.95 PPM), SOURCE (Well Water), PROJECT NAME (Project 1), and CASE (1). Below this is a sidebar with icons for PROJECT INFORMATION, WATER QUALITY, SYSTEM INFORMATION, CHEMICAL SELECTION, CALCULATIONS, and REPORT. The main content area is divided into several sections: OVERVIEW (with fields for CLIENT NAME: City of San Diego, PROJECT NAME: Project 1, LOCATION, PREPARED BY, DATE: 5/1/2016, and WATER TYPE: Well Water), MEASUREMENTS (with dropdowns for PRESET UNITS: CGS, Metric, U.S.; TEMPERATURE: Deg F; FLOW RATES: Gal/min; and MASS UNITS: lb), COMMENTS (OPTIONAL) (a large text area), and TOTAL CASES (1 AVAILABLE) (a table with columns for Cases and Modified Date, showing one case with ID 1 and date 5/27/2016). A 'Selected Case Description' field is also present below the table.



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