

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.

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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 various parameters: 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). The main interface is divided into several sections: PROJECT INFORMATION (CLIENT NAME: City of San Diego, PROJECT NAME: Project 1, LOCATION, PREPARED BY, DATE: 5/1/2016, WATER TYPE: Well Water), MEASUREMENTS (PRESET UNITS: CGS, Metric, U.S.; TEMPERATURE: Deg F; FLOW RATES: Gal/min; MASS UNITS: lb), COMMENTS (OPTIONAL), and TOTAL CASES (1 AVAILABLE). A table shows one case with ID 1 and a modified date of 5/27/2016. The interface also includes a sidebar with icons for PROJECT INFORMATION, WATER QUALITY, SYSTEM INFORMATION, CHEMICAL SELECTION, CALCULATIONS, and REPORT.



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