

## pH of PAA in Reverse Osmosis (R.O.), Soft, and (400 ppm) Hard Water

PAA Conc.	pH		
	R.O. Water	Soft Water	Hard Water (400 ppm CaCO <sub>3</sub> )
0 ppm	6.10	7.88	8.40
50 ppm	3.75	6.40	6.50
100 ppm	3.60	5.45	5.50
200 ppm	3.40	4.40	4.50
300 ppm	3.25	4.20	4.30
500 ppm	3.10	3.85	4.00
700 ppm	3.00	3.75	3.80
1000 ppm	2.90	3.50	3.60

The above table was established using 5.6%, 15%, and 22% PAA in the form of Perasan A, BioSide HS 15% and Perasan MP-2C, respectively. Each product was dosed at the target concentration and only varied by approximately 0.15 pH units maximum. Therefore, what is shown above is an average pH for all 3 products tested at the specific target concentrations. The differences in pH of these products did not warrant 3 separate tables. Please note that while the results of this study are representative, actual pH levels may vary depending on source water, pH-probe, organic loading, etc.