

# Seachem Golden Shores

**Product Description:** Golden Shores® Aragonite is an all natural substrate for all types of marine, reef and tropical aquaria. Simply rinse before use to remove any residual dust. To determine the number of bags required for your aquarium, please note that each bag (10 kg, 22 lbs) occupies a volume of 7000 cm<sup>3</sup> (0.25 cu. ft.). To determine your desired volume multiply tank width by length by desired depth. Available Size: 10 kg (22 lb) bag

Why should one use aragonite? Aragonite is a naturally occurring, calcium carbonate mineral. It is precipitated from ocean surface waters mainly by organisms (e.g., coral) that use it to make their shells and skeletons. In recent years, aragonite has nearly eclipsed all other marine substrates. This is chiefly because of its superior buffering capacity. Aragonite becomes soluble at a pH of 8.2. At this pH, the release of calcium and carbonates into the aquarium causes an upward shift in pH. This occurs so slowly, however, that aragonite is less of a viable buffer and more of a safety net. With aragonite in the aquarium, one can be reasonably sure, that the pH of the system will never go below 7.7-7.9. Additionally, aragonite's porous structure and size make it ideal for the propagation of denitrifying bacteria.

Elemental Concentrations in Golden Shores®

units=ppm	Calcium	354,900	Cobalt	3	Iron	5997	Potassium	7	Magnesium	238	Manganese	21	Molybdenum	3	Strontium	1323	Vanadium	7	Zinc	2
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Units=ppm, source: Plasma Emission Spectrometer, EPA Method 3050, Univ. of Georgia Chemical Analysis Lab