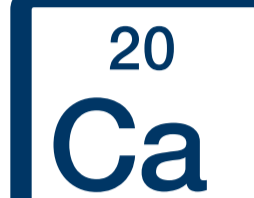

















# Ideal Parameters for Reef Aquariums

Parameter	Aquarium Recommendations	Ocean Values
 Calcium	380 - 450 ppm	420 ppm
 Alkalinity	8 - 12 dKH / 2.86 - 4.29 meq/L	7 dKH / 2.5 meq/L
 Magnesium	1200 - 1400 ppm	1280 ppm
 Phosphate	0.01 – 0.03 ( <i>Preferred</i> ) / 0.01 – 0.1 ppm ( <i>Tolerable</i> )	0.005 ppm
 Nitrate	1 – 10 ppm ( <i>Preferred</i> ) / 1 – 20 ppm ( <i>Tolerable</i> )	Less than 0.1 ppm ( <i>typical but varies</i> )
 Nitrite	0.0 ppm typically	Less than 0.0001 ppm ( <i>typical but varies</i> )
 Ammonia	0 ppm	Less than 0.1 ppm ( <i>typical but varies</i> )
 Salinity	1.023 - 1.026 SG / 32 - 35 ppt	1.025 - 1.027 SG / 34 - 36 ppt
 Temperature	76° - 80° ( <i>Must be kept stable</i> )	Variable
 pH	8.1 - 8.3 ( <i>Preferred</i> ) / 7.8 - 8.4 ( <i>Tolerable</i> )	8.1 - 8.3 ( <i>Varies in lagoons</i> )
 ORP	250 - 400 mV	Variable
 Iodine	0.06 ppm	0.06 ppm ( <i>Varies in lagoons</i> )
 Strontium	7 - 9 ppm	8 ppm
 Iron	Below Kit Detection	0.000006 ppm
 Boron	Less than 10 ppm	4.4 ppm
 Silica	Less than 1 ppm ( <i>Lower if diatoms are a problem</i> )	Less than 0.06 - 2.7 ppm