INFOGRAPHIC - Target measurements for water quality



Water is a main nutrient and carrier for vaccines, medicine - including antibiotics, but also for pathogens

Chemistry



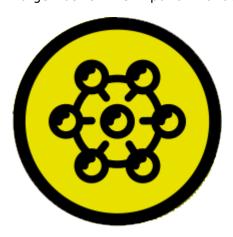
pH and pKa

Acidity and dissociation index Target: pH 3,5-3,8 Important for acids application (E.g. organic acids, etc), and ORP



Hardness

Content of Ca, sometimes plus Mg Target: better TDS Important for acid binding capacity (ABC, buffer capacity)



Oxidation Reduction Potential (ORP)

Target: 650 mV>700 mV » reduces water intake Important for biocides application (E.g. chlorination)



Total Dissolved Solids (TDS)

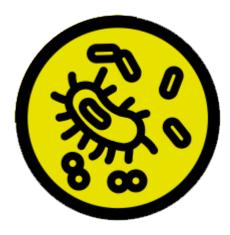
Sum of dissolved salts, minerals, metals, carbonates, organics Target: 2000 ppm>3000 ppm » laxation Important for buffer capacity and ORP

Microbiology



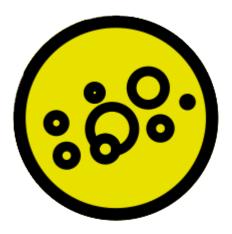
Yeast

Target: < 5000 cfu/gr



Enterobacterias

Target: < 100 cfu/gr



Moulds

Target: < 100 cfu/gr