

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