



Plutocalc Water

pH Correction Solver— Quick guide

pH correction dosage

pH correction chemical
Sodium hydroxide - NaOH

Temperature
25 °C 77 °F

Alkalinity¹
20 mg/L CaCO₃ 0.4 meq/L

Solution initial pH²
7

Solution final pH
8.4

Chemical dosage³
3.7324 mg/L (ppm) 0.0003732 %_{w/w}

40 acids and bases

Shortcut to the unit converter

Optional for improved accuracy

If defined, calculates the chemical dose

If defined, calculates the final pH

Shortcut to the dose solver

Chemical dosing

Water flow
1000 m³/h 4402.9 gpm

Chemical dosage*
3.7324 mg/L (ppm) 0.233 lb/ft³

Stock concentration
50 %_{w/w} 500000 mg/L (ppm)

Stock density¹
1521.7 kg/m³ (g/L) 94.9966 lb/ft³

Chemical flow - mass
7.4648 kg/h 16.4571 lb/h
179.16 kg/day 394.97 lb/day

Chemical flow - volume²
4.9056 L/h 1.2959 gph
117.73 L/day 31.1019 gpd

Shortcut to density database

Chemical solutions density

Chemical solution
NaOH - Sodium Hydroxide
Valid temperatures: 0°C to 100°C.

Temperature
25 °C 77 °F

Concentration
50 %_{w/w} 500000 mg/L (ppm)

Density
1521.7 kg/m³ (g/L) 94.9966 lb/ft³

Specific gravity
1.5262

Baumé density
49.9905 °B