

Waterocks Ca

Calcium carbonate (CaCO_3)

for treatment of water intended for human consumption

Conforms to the European standard EN 1018

Characterization: Class 1, Grade 1, Type A

Grading availability: 1 – 2mm, 2 – 4mm



Description:

Natural crystalline calcium carbonate, in granules, deriving from the high purity deposit of white calcitic marble in Dionyssos /Attica /Greece.

It is a Class 1 material, according to the European standard EN 1018 "Chemicals used for treatment of water intended for human consumption – Calcium carbonate".

Uses:

- Desalination of brackish and seawater, using reverse osmosis method
- pH value correction in swimming pool water or industrial water
- Neutralization of CO_2 produced
- Processing of high acidity water
- Water softening

Chemical analysis:

CaCO_3	$\geq 96.5 \%$	w/w	Fe_2O_3	$\leq 0.10 \%$	w/w
MgCO_3	$\geq 1.5 \%$	w/w	Al_2O_3	$\leq 0.20 \%$	w/w
$\text{CaCO}_3 + \text{MgCO}_3$	$> 98.0 \%$	w/w	SiO_2	$\leq 1.70 \%$	w/w

(EN 1018, Class 1)

Residue not soluble in HCl: $<2 \%$ (EN 1018, Grade 1: requirement $<2 \%$)

Chemical parameters:

Arsenic (As)	$<1.0 \text{ mg/Kg}$	(EN 1018, Type A : requirement ≤ 3)
Cadmium (Cd)	$<1.0 \text{ mg/Kg}$	(EN 1018, Type A : requirement ≤ 2)
Chromium (Cr)	$<1.0 \text{ mg/Kg}$	(EN 1018, Type A : requirement ≤ 10)
Mercury (Hg)	$<0.05 \text{ mg/Kg}$	(EN 1018, Type A : requirement $\leq 0,5$)
Nickel (Ni)	$<2.0 \text{ mg/Kg}$	(EN 1018, Type A : requirement ≤ 10)
Lead (Pb)	$<2.0 \text{ mg/Kg}$	(EN 1018, Type A : requirement ≤ 10)
Antimony (Sb)	$<0.3 \text{ mg/Kg}$	(EN 1018, Type A : requirement ≤ 3)
Selenium (Se)	$<0.3 \text{ mg/Kg}$	(EN 1018, Type A, : requirement ≤ 3)

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Head Office: 364 Kifissias Av., 15233 Halandri, Athens /Greece Tel: +30 22950 22225, FAX: +30 22950 22120
Contact: Eleftheria Tsiavou +30 6936 132107 e-mail: etsiavou@nordia.gr www.marmoline.gr





Available grading: 1-2mm, 2-4 mm
Grain shape: Irregular (crushed material)

Physical characteristics:
Density: 2.69 – 2.72 g/cm³
Bulk density: 1.35 – 1.50 tn/m³
Solubility in water: ~ 0.02 g/l (20 °C)
Humidity: < 0.2 %

Packaging: 25 kg plastic bags
Alternatively in 1 tn big bags

The reported values are for informational purposes and are mean values of laboratory tests.
For more information please contact **NORDIA S.A.**