



ALPHA STONE

for grinding & packing
calcium carbonate

Technical Data Sheet

AS-CH 1

Calcium hydroxide also known as slaked lime it is an inorganic compound with the chemical formula $\text{Ca}(\text{OH})_2$. It is a colorless crystal or white powder and is produced when *quicklime* (calcium oxide) is mixed, or slaked with water. It has many names including hydrated lime, caustic lime, builders' lime, slack lime, cal, or pickling Lime. It is used in several industries such as food industry .

Chemical Composition	
Ca(OH) ₂	Not less than 96%
SiO ₂	1% Max
MgO	1% Max
Al ₂ O ₃ + Fe ₂ O ₃	1% Max
CO ₂ residual	4 % Max
Heavy metals	Traces
Physical properties	
Passing through sieve 500	90% Min
Passing through sieve 700	99% Min
Density	0.5-06
Colour	Whitish
Reactivity {Neutralization of a pure acid per 100g of lime)	120 g of sulfuric acid
	90 g of hydrochloric acid
	160 g of nitric acid

We confirm that the above quantity was tested and found in accordance to the product specifications.