

SPECIFICATION

Product Name: Hydrated Lime 90% (Calcium Hydroxide)
Chemical Formula: Ca(OH)_2
CAS Number: 1305-65-2
Molecular Weight: 74.093 g/mol
Appearance: White Powder
Odor: Odorless.

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Available lime As CaO	%	Complies	68.902%
Available lime As $\{\text{Ca(OH)}_2\}$	%	Complies	90.63%
Acid insoluble As $\text{(SiO}_2\text{)}$	%	Complies	0.29%
Moisture as free water	%	Complies	0.502%
Magnesium As MgO	%	Complies	0.81%
Particle size (mesh)- 200 BBS	%	Complies	98.96%
Residue +200 BBS	%	Complies	1.04%

Physical Properties

- Solubility: Slightly soluble in water. Insoluble in ethanol. Insoluble in acetone. Insoluble in ether. Practically insoluble in glycerin.

Shelf Life & Storage

- Shelf Life: 1-2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed, moisture-resistant container in a cool, dry, and well-ventilated area, protected from moisture, humidity, rain, and direct sunlight. Keep containers or bags tightly sealed when not in use.

Applications

- Use: Widely used as an alkalizing agent, pH regulator, neutralizing agent, flocculant aid, and processing chemical in industrial, environmental, agricultural, and food applications.
- Dosage: Depends greatly on the application, water quality, soil conditions, acidity level, and process requirements.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner, 1 kgs and 100 grams, or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.