

LimeStone Specification

Description:

Natural limestone (CaCO_3) is a high-purity calcium carbonate mineral with excellent whiteness and stability. It is used as a key raw material in lime production, cement, glass, steel, and environmental treatment industries.

Applications:

- **Steel & Metallurgy:** Flux agent in steel refining and desulfurization.
- **Cement Industry:** Major raw material in clinker and mortar production.
- **Glass & Ceramics:** Used for CaO source and to improve strength.
- **Environmental Treatment:** Neutralization of acidic wastewater and flue gas desulfurization.
- **Construction:** Used in building lime, plaster, and fillers.

Packing:

- Palletized bag in container
- 1 m³ jumbo bags in container

Health and Safety:

- Non-toxic and stable.
- Avoid inhalation of dust; use PPE.
- Store in dry, covered area.

Chemical Composition (LimeStone – XRF Analysis)

Component	Wt %
CaO	55.4
Al ₂ O ₃	0.09
Fe ₂ O ₃	0.04
MgO	0.27
SiO ₂	0.17
Na ₂ O	-

Component		Wt %
K ₂ O		-
L.O.I (Loss on Ignition)		44.03
<i>Physical Properties</i>		
Property	Unit	Specification
Appearance	—	Fine white to grayish powder
Specific Gravity	g/cm ³	2.70 – 2.75
Bulk Density	g/cm ³	1.2 – 1.4
Hardness (Mohs)	—	3
Brightness (ISO 2470)	%	≥ 94
Moisture Content	%	≤ 0.3
pH (10% slurry)	—	8 – 9
LimeStone Raw & Powder		Applications
		