

Quicklime (Calcium Oxide) Product Data Sheet

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高活性 · 高纯度 · 定制粒度

Quality Standards & Assurance

The product meets and exceeds the relevant Chinese metallurgical lime standards. Minben implements whole-process quality control under the Minben Group Calcium Oxide Whole-Process Quality Management System, covering raw material selection, production process control, finished product inspection, packaging, and delivery management. Products may be submitted to SGS and other professional third-party testing institutions. Final indicators are subject to the certificate of analysis or quality certificate for each batch.

Packaging & Notes

Standard packaging includes 25 kg bags or jumbo bags, with an outer woven bag and inner plastic film. Packaging type, particle-size specification, and delivery method can be confirmed according to order requirements. Values shown are typical values for customer selection and technical reference only, not guaranteed specifications. Final technical indicators, quality determination, and delivery standards are subject to the contract terms and the certificate of analysis/quality certificate for each batch.

Product Specifications & Size Gradation		
Product Type	Appearance	Particle Size
Powdered Quicklime	White powder	0-5 mm
Granular Quicklime	White granules	4-10 mm; 10-15 mm
Lump Quicklime	White lumps	15-50 mm

Note: All particle-size ranges can be customized according to customer requirements.

Typical Chemical Properties			
Indicator	Typical Result	CN Standard Special Grade	CN Standard Grade I
CaO	94.28%	≥ 92.0%	≥ 90.0%
MgO	0.41%	< 5.0%	< 5.0%
SiO ₂	0.20%	≤ 1.5%	≤ 2.5%
S	0.018%	≤ 0.020%	≤ 0.030%
Loss on Ignition (LOI)	0.14%	≤ 2.0%	≤ 4.0%
Reactivity	408 mL	≥ 360 mL	≥ 320 mL

Note: Reactivity test condition: 4 mol/L HCl, 40 ± 1 °C, 10 min ; CN Standard refers to the Chinese national standard for metallurgical lime.



Certified Management Systems

ISO 9001
Quality Management
System Certification

ISO 14001
Environmental Management
System Certification

ISO 45001
Occupational Health & Safety
Management System Certification

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