

SHANGHAI WENTONG CHEMICALS CO., LTD.

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TECHNICAL DATA SHEET

Chemical name: Calcium Nitrate

Standard: HG/T 3787-2005

Molecular formula: $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$

Molecular weight: 236.15

CAS No.: 13477-34-4

Packing: Plastic woven bag or kraft paper bag inner with plastic bag in 25kg / 50kg / 500kg / 1000kg net.

Handling and Storage: Store in a cool and dry house. The package must be sealed up and protected from moisture. Avoid mixing with organic compound or sulphur during storage and transportation. Prevent the material from rain and insolation. Load and unload carefully. In the case of a fire, use water, soil or other fire extinguishing media but aqueous solution must be prevented to flow towards inflammable materials.

Applications: It is mainly used as flocculant in rubber latex and refrigerant. And it is also employed in oil exploratory well and sewage treatment, etc. In agriculture it is used as soilless culture and fast-effective fertilizer for acid soil. It also can be used to make fireworks and incandescent lamp chimney in light industry, to produce explosives in national defense industry and to paint negative pole in electron instrument industry. It is also a raw material in making other nitrates.

Quality standard:

Calcium Nitrate

Inspect Item	Unit	Standard
Purity	% ≥	99.0
$\text{Ca}(\text{NO}_3)_2$	%	68-71
Ca	% ≥	16.6
Fe	% ≤	0.0007
Cl^-	% ≤	0.001
NH_4^+	% ≤	0.003
HNO_3	% ≤	0.006
Heavy Metal (As Pb)	% ≤	0.0005
Insoluble matter in water	% ≤	0.01
PH Value		4.0-7.0

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