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Product Specifications

NaNO₃

Catalogue Number 01524
Product **Sodium nitrate**

Chile saltpeter

CAS Number 7631-99-4

Molecular Formula NaNO₃

Molecular Weight 84.99

Appearance White crystalline powder

Solubility 88 g in 100 mL water at 20 °C

Melting Point 308 °C (Approx.)

Heavy Metals ≤ 5 ppm (Pb)

Anion
Chloride (Cl⁻): ≤ 0.001%
Sulfate (SO₄²⁻): ≤ 0.003%
Nitrite (NO₂⁻): ≤ 0.001%
Iodate (IO₃⁻): ≤ 5 ppm
Phosphate (PO₄⁻): ≤ 5 ppm

Cation
Calcium (Ca): ≤ 0.005%
Magnesium (Mg): ≤ 0.002%
Iron (Fe): ≤ 3 ppm

pH 5.5-8.3 (5% solution @ 25°C)

Insoluble material ≤ 0.005%

Assay by titration ≥ 99.0%

Grade ACS reagent

Application Used as an oxidizer.

Storage Store at RT

Product Specifications

Catalog Number: 01524

For Laboratory Use Only