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## Typical Product Specifications & Properties

# Ammonium Nitrate

CAS Number: : 6484-52-2

Specifications	Limits
Density	1.725
Molecular weight	80.06
Residue after ignition	<= 0.01%
Insoluble Matter	<= 0.005%
pH of a 5% solution	4.5 - 6.0 (25°C)
Chloride (Cl)	<= 0.0005%
Color	colorless crystal
Sulfate (SO4)	<= 0.002%
Melting Point	169.6 c
Heavy metals (as Pb)	<= 0.0005%
Iron as Fe	<= 0.0002%
Assay	>= 99.5% (NH4NO3)



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Specifications	Limits
Phosphate	<= 0.0005%
Solubility	water, alcohol, alkalis
Chemical Structure	 <p>Chemical structure diagram showing ammonia (NH<sub>3</sub>) and nitrate (NO<sub>3</sub><sup>-</sup>).</p>
Boiling Point	dec. 210 c with evolution of nitrous oxide



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