

# Technical Datasheet

## Article No. 2667

Ammonium nitrate p. a., ACS, ISO, Ph. Eur.  
min. 99.0 % NH<sub>4</sub>NO<sub>3</sub>

For laboratory use.

Parameter	Value
Appearance	Colourless solid
Density	1.72 g/cm <sup>3</sup>
Mol.-Weight	80.04 g/mol
Melting point	169 °C
Insoluble matter	max. 0.005 %
Chloride (Cl)	max. 0.0003 %
Nitrite (NO <sub>2</sub> )	max. 0.0005 %
Phosphate (PO <sub>4</sub> )	max. 0.0005 %
Sulfate (SO <sub>4</sub> )	max. 0.002 %
Calcium (Ca)	max. 0.003 %
Magnesium (Mg)	max. 0.002 %
Iron (Fe)	max. 0.0002 %
Residue on ignition	max. 0.01 %
Water	max. 5 %
Cadmium (Cd)	max. 0.0001 %
Copper (Cu)	max. 0.0001 %
Chromium (Cr)	max. 0.0001 %
Nickel (Ni)	max. 0.0001 %
Heavy metals (as Pb)	max. 0.0005 %
Sulfated ash	max. 0.01 %
pH (5 %, 25 °C)	4.5–6.0