

# Technical Datasheet

Article No. 1689

Potassium nitrate p. a., ACS, ISO, Ph. Eur.  
min. 99.0 % KNO<sub>3</sub>

For laboratory use.

Parameter	Value
Appearance	Colourless solid
Melting point	334 °C
Density	2.11 g/cm <sup>3</sup>
Molar Mass	100.10 g/mol
Ammonium (NH <sub>4</sub> )	max. 0.001 %
Calcium (Ca)	max. 0.001 %
Copper (Cu)	max. 0.0001 %
Iron (Fe)	max. 0.0002 %
Sodium (Na)	max. 0.005 %
Lead (Pb)	max. 0.0001 %
Zinc (Zn)	max. 0.0005 %
Chloride (Cl)	max. 0.001 %
Iodate (IO <sub>3</sub> )	max. 0.0005 %
Nitrite (NO <sub>2</sub> )	max. 0.001 %
Phosphate (PO <sub>4</sub> )	max. 0.0005 %
Sulfate (SO <sub>4</sub> )	max. 0.002 %
Magnesium (Mg)	max. 0.0015 %
Nickel (Ni)	max. 0.0001 %
Chromium (Cr)	max. 0.0001 %
Cadmium (Cd)	max. 0.0001 %
Heavy metals (as Pb)	max. 0.0005 %
pH (5 %, 25 °C)	5–8
Insoluble matter	max. 0.005 %