



SPECIFICATION SHEET

Product Name	:	Potassium nitrate, Ph Eur, BP, USP, FCC, E 252
Product Number	:	960.113
Brand	:	ISOLAB
CAS Number	:	7757-79-1
Formula	:	KNO ₃
Formula Weight	:	101.10 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay (alkalimetric)	≥ 99.0 %	%
Assay (alkalimetric, calc. on dried substance)	99.0 – 100.5 %	%
Identity	passes test	
Appearance of solution	passes test	
Acidity or alkalinity	passes test	
pH-value (5%; water)	5.0 - 7.5	
Chloride (Cl)	≤ 0.001 %	%
Chlorate and Perchlorate (as Cl)	passes test	
Nitrite (NO ₂)	≤ 0.0005 %	%
Sulphate (SO ₄)	≤ 0.01 %	%
Heavy metals (as Pb)	≤ 0.001 %	%
Al (Aluminium)	≤ 0.0001 %	%
As (Arsenic)	≤ 0.0002 %	%
Ca (Calcium)	≤ 0.005 %	%
Cu (Copper)	≤ 0.001 %	%
Fe (Iron)	≤ 0.001 %	%
Mg (Magnesium)	≤ 0.001 %	%
Na (Sodium)	≤ 0.1 %	%
NH ₄ (Ammonium)	≤ 0.004 %	%
Hg (Mercury)	≤ 0.0001 %	%
Pb (Lead)	≤ 0.0002 %	%
Zn (Zinc)	≤ 0.001 %	%
Reductive substances	passes test	
Loss on drying (105 °C)	≤ 0.5 %	%

Quality Management
Isolab Laborgerate GmbH

