

Technical Data Sheet

M Nitrates – Potassium



Generic name:	Nitrates - Potassium
IUPAC name:	Potassium; nitrate
CAS:	7757-79-1
Form:	Powder
Origin:	China
Additional:	REACH certification*

Item	Specification	Typical result %
Total Nitrogen (N) /% \geq	13	14.03
N-NO ₃ /% \geq	13	13.34
K ₂ O /% \geq	45	45.56
Cl /% \leq	1.5	0.3
Na /% \leq	1.5	0.07
Insoluble Matter /% \leq	0.2	0
Solubility	32g/100cm ³	32g/100cm ³
Moisture (H ₂ O) /% \leq	1.0	0.4
Perchlorate / ppm \leq	-	\leq 0.1
Density g/L	1.00-1.30g/L	1.000-1.30g/L
pH (10% solution)	-	7.08
Particle size (\leq 0.125mm) /%	-	11.7
Particle size (\geq 0.354mm-) /%	-	9.4
Particle size (\geq 0.25mm-) /%	-	34.3
Particle size (\geq 0.177mm) /%	-	62.6
Particle size (\geq 0.125mm-) /%	-	88.3

Appearance		Crystal (non-chemical impurities)
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Heavy Metals Analysis

Mercury (Hg) /% ≤	0.0005	0
Arsenic (As) /% ≤	0.0050	0.000004
Chromium (Cr) /% ≤	0.0500	0.001157
Lead (Pb) /% ≤	0.0200	0.000948
Cadmium (Cd) /% ≤	0.0010	0

**REACH is a system for Registration, Evaluation and Authorization and Restriction of Chemical substances that are produced or imported in the European Union. adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals, The regulations (Regulation No. 1907/2006) on this date from 18 December 2006, and entered into force from 1 June 2007.*