



PRODUCT CODE: 131524

Potassium Nitrate without anticaking (Reag. Ph. Eur.) for analysis, ISO

KNO₃
KNO₃

M.= 101,11 CAS [7757-79-1] EINECS 231-818-8
TARIC 2834 21 00 00

PHYSICAL DATA: Small crystals, White, Soluble in water 320 g/l at 20 °C Thermal decom. above 400 °C • D 20/4 2,11 • M.P.: 334 °C • pH5,5 - 8,0 •

BIBLIOGRAPHY: Merck Index **14**, 7.733 Sax **PLL500** • Safety **2**, **2906 B** • Römp **8**, **2020** • Kühn-Birett **K 13** • Fieser **5561 10329** • ACS **X540IX516** • ISO 6353/3-1987R - 84, 58 • BP. **2014** • USP **38** • Ph. Eur. **7.0** (2013) **8.0** (2014) 7.6 • F.C.C **8 9** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: TT 3700000 • LD50 oral rat 3.750 mg/kg •



H: H272 •
P: P210 • P220 • P221 • P280 • P370+P378 •

TRANSPORT REGULATIONS: UN: 1486 • ADR: 5.1/III • IMDG: 5.1/III • IATA: 5.1/III • PAX: 559 • CAO: 563 • (E) •

SPECIFICATIONS:

Minimum assay (Acidim.)	99,0%
pH of 5% solution	5-8

Maximum limit of impurities

Insoluble matter in H ₂ O	0,005 %
Chloride (Cl)	0,001%
Ammonium (NH ₄)	0,001%
Phosphate (PO ₄)	0,0005 %
Sulfate (SO ₄)	0,003%
Iodate (IO ₃)	0,0005%
Nitrite (NO ₂)	0,001%
As	0,00004%
Heavy metals (as Pb)	0,0005%

Metals by ICP [in mg/Kg (ppm)]

Ag	5
Al	5
Ba	5
Be	5
Bi	5

Ca	10
Cd	5
Co	5
Cu	5
Fe	3
Ga	5
Ge	5
Hg	1
In	5
Li	5
Mg	10
Mn	5
Mo	5
Na	200
Ni	5
Pb	5
Pt	5
Sb	5
Sr	5
Ti	5
Tl	5
Zn	5
Zr	5