



PRODUCT CODE: 141524

Potassium Nitrate without anticaking (BP, Ph. Eur.) pure, pharma grade

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 decomp. 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 **XI** • ISO 6353/3-1987R - 84, 58 • BP.**2025** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • 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)
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SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s.	99,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 5% solution	4,5-8,5

Maximum limit of impurities

Appearance of solution	passes test
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Acidity or alkalinity	passes test
Insoluble matter in H ₂ O	0,025 %
Loss on drying at 105°C	0,5%
Chloride (Cl)	0,002%
Ammonium (NH ₄)	0,005%
Phosphate (PO ₄)	0,003 %
Sulfate (SO ₄)	0,01%
Reducible substances	passes test
Residual solvents (Ph.Eur.)	passes test

Ca	0,005	%
Fe	0,001	%
Mg	0,005	%
Na	0,1	%

Elemental impurities (ICH Q3D):

Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm

Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B	
Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm