



TECHNICAL DATA SHEET

POTASSIUM NITRATE

High Purity Grade

CAS # 7757-79-1 FORMULA: KNO_3

FORMULA WEIGHT 101.10 UN # UN1486

Moisture	0.2% Max
pH Value	6.0 – 8.0
Water-insoluble Material	0.1% Max
Grit	NONE
Chlorides (as KCl)	0.07% Max
Chlorates & Perchlorates (as KClO_4)	0.5% Max
Iron & Aluminum (as oxide)	0.5% Max
Calcium & Magnesium (as oxide)	0.5 % Max
Sodium (as oxides)	0.25% Max
Ammonium Compounds	NONE
Nitrogen	13.77% Min

Other grades available upon request as well as material prepared to customer and government specifications. Custom milling, blending, screening and packaging are available at a reasonable cost. All raw materials undergo testing for conformance as well as in-process sampling and final shipping samples. Barium & Chemicals, Inc. has a full-course, in-house laboratory whose staff has expertise in wet chemical analysis as well as AA, IC, ICP, W.S. Tyler Ro-Tap, Fisher Sub-Sieve Sizer, Laser Particle Analysis, pH, titration and moisture analysis.

Special requests may require extra lead time for raw material manufacture and processing. Allow sufficient time when ordering.

USES: pyrotechnics, explosives, matches, and specialty fertilizers. Other uses include modifying tobacco, glass manufacturing, metallurgy, solid rocket propellants and preservatives.

PACKAGE TYPE: Fiber, Steel or plastic drums with polyliner and kraft paper bags with poly liner (pallet quantities only)

Packaged for transport by ground, air or ocean transport. Call for packaging options.