



TECHNICAL DATA SHEET

BARIUM NITRATE

Reagent Crystal Grade

CAS # 10022-31-8 FORMULA: $\text{Ba}(\text{NO}_3)_2$

FORMULA WEIGHT 261.39 UN # UN1446

Assay (as $\text{Ba}(\text{NO}_3)_2$)	99.0% Min
Insoluble Matter	0.01% Max
pH of 5% solution	5.0 – 8.0
Strontium (as Sr)	0.1% Max
Calcium (as Ca)	0.05% Max
Potassium (as K)	0.005% Max
Sodium (as Na)	0.005% Max
Chloride (as Cl)	5 ppm Max
Heavy Metals (as Pb)	5 ppm Max
Iron (as Fe)	2 ppm Max

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: Applications in the vacuum tube industry. Used to manufacture other barium compounds and is used by the pyrotechnic industry for the production of “green fire” and green signal flares. Also used in primer mix for ordnance industry.

PACKAGE TYPE: Fiber or Plastic drums with polyliner and Kraft bags with poly liner (pallet quantities only)

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