



TECHNICAL DATA SHEET

BARIUM PEROXIDE

High Purity WP Grade

CAS # 1304-29-6 FORMULA: $\text{BaO}_2 \cdot 8 \text{H}_2\text{O}$

FORMULA WEIGHT 304.36 UN # UN1449

Available Oxygen	8.8% Min
Apparent Density (gr / ml)	1.3 gr/ml Min
Moisture	0.30% Max
Total Iron	0.03% Max
Strontium (as Sr)	0.85% Max
Calcium (as Ca)	0.15% Max
Magnesium (as Mg)	0.02% Max
Sodium (as Na)	0.05% Max
Aluminum (as Al)	0.05% Max
Chlorides (as BaCl_2)	0.10% Max
Nitrate (as $\text{Ba}(\text{NO}_3)_2$)	0.10% 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: Used as an oxidizer in ordnance and pyrotechnic primer mixes and flares. Other applications can be used for bleaching animal substances, vegetable fibers and straw. Can also be used to manufacture oxygen and hydrogen peroxide and combined with aluminum in the welding industry. Used to decolorize glass and dye textiles.

PACKAGE TYPE: Fiber or Plastic drums with polyliner.

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