

Barium & Chemicals, Inc.
Women Owned
Box 218; 515 Kingsdale Road
Steubenville, OH 43952
740-282-9776 / Fax 740-282-9161

TECHNICAL DATA SHEET

CALCIUM NITRATE TETRAHYDRATE

CAS # 13477-34-4

FORMULA: $\text{Ca}(\text{NO}_3)_2 \cdot 4 \text{H}_2\text{O}$

FORMULA WEIGHT 236.13

	Min	Max	
Assay [as $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$]	98%	-	
Chloride (as Cl)	-	0.005%	
Sum of Magnesium, Potassium, and Sodium by ICP	-	0.1%	
Heavy Metals	-	0.001%	
Sulfate (as SO_4)	-	0.01%	
Water Insoluble	-	0.1%	TYPICAL

Other grades available upon request as well as material prepared to client 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. The Laboratory is equipped with an IC, ICP, W.S. Tyler Ro-Tap, Fisher Sub-Sieve Sizer, Laser Particle Analysis, BET Surface Area Analyzer, pH, Conductivity, Titration and Moisture analysis.

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

USES: Explosives, pyrotechnics, matches, fertilizers, other nitrates and is a source of ^{14}C by nuclear irradiation.

PACKAGE TYPE: Fiber or Plastic drums with a poly liner.

Packaged for transport by ground, air or ocean transport. Call Barium & Chemicals, Inc. today for packaging options.