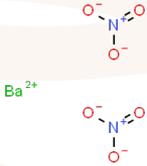


## BARIUM NITRATE

### 1. Basic Information

Product Name	Barium Nitrate
Structural Formula	
Molecular Formula	BaN <sub>2</sub> O <sub>6</sub>
Formula Weight	261.336 g/mol
CAS No.	10022-31-8
Description	Barium Nitrate exists as white powder at room temperature. It is water soluble salt.
Applications	<ol style="list-style-type: none"> <li>1. It is used by the pyrotechnic industry for the production of “green fire” and green signal flares.</li> <li>2. It also has uses in the vacuum tube industry.</li> <li>3. Barium Nitrate is used to manufacture other barium compounds.</li> </ol>
Packaging	25 Kgs / 0 Kgs / 1MT bags with liner

### 2. Specifications

Items	Specification
Appearance (colour)	White
Appearance (form)	Powder or crystals
X-Ray Diffraction	Conforms to structure
Matter insoluble in water (Total)	0.5% max
Matter insoluble in water (Organic)	0.08% max
Chlorides as NaCl	0.1% max
pH water extract	6-7
At 25 C (c=5%, water)	
Calcium (Ca)	≤ 0.05
Iron (Fe)	≤2 ppm
Heavy Metals	≤ 5 ppm
By ICP-OES	
Strontium (Sr)	≤ 0.1%
Potassium (K)	≤ 0.005%
Sodium (Na)	≤ 0.005%

# TECHNICAL SPECIFICATION

Items	Specification
Complexometric EDTA	≥ 99.0%
Meets ACS Requirements	Current ACS Specification
Barium Nitrate Content	99.0% min
Hygroscopicity	0.3% min
Moisture at 105 deg C	0.85% max
Grit retained on 125 micrometer in sieve	<0.04% max
Chlorates	Nil
Nitrites as Sodium Nitrite	Nil
Sodium Comp. as Sodium Nitrate	0.01 max
Ammonium Comp. as Amm. Nitrate	0.03% max
Calcium Comp. as Calcium Nitrate	0.03% max
Total impurities excluding Sodium Salt calculated as Sodium Nitrate	0.39 max

### 3. Additional Information

N/A
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