

# *Chem-Impex International, Inc.*

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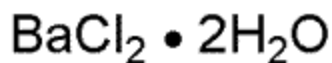
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*



**Catalogue Number** 01220

**Product** **Barium chloride dihydrate**

Barium chloride 2H<sub>2</sub>O

**CAS Number** 10326-27-9

**Molecular Formula** BaCl<sub>2</sub>•2H<sub>2</sub>O

**Molecular Weight** 244.3

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**Appearance** White to off-white crystalline powder

**Solubility** 36 g in 100 mL water at 20 °C

**Melting Point** 960 °C (Approx.) (anhydrous)

**Heavy Metals** ≤ 5 ppm (as Pb)

**Cation** Calcium (Ca): ≤ 0.05%  
Iron (Fe): ≤ 2 ppm  
Strontium (Sr): ≤ 0.1%  
Sodium (Na): ≤ 0.005%  
Potassium (K): ≤ 0.0025%

**pH** 5.2-8.2 (5% at 25 °C)

**Oxidizable Substances** ≤ 0.005%

**Loss on Drying** 14.0-16.0% (at 150 °C)

**Insoluble material** ≤ 0.005%

**Assay by titration** ≥ 99.0%

**Grade** ACS reagent

**Application** It is used to test the sulphate ions. Industrially, Barium Chloride is used in the purification of brine solution in caustic chlorine plants and also in the manufacture of heat treatment salts, case hardening of steel, manufacture of pigments and in the manufacture of other Barium Salts. Above all, Barium Chloride is widely used in fireworks to impart them a bright green color.

# ***Product Specifications***

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**Storage**

Store at RT

**For Laboratory Use Only**