



# Product Specification

## Product Name: BARIUM CARBONATE AR

Alternate Name(s)

### Description

White powder, lumps or crystals.

### Properties

Chemical Formula: BaCO<sub>3</sub>

Molecular Weight: 197.34

Product Code: BA035

CAS No. 513-77-9

### General Information:

Insoluble in water. Soluble in acids (except sulfuric). Incompatible with strong oxidisers, acids and boron trifluoride. Non combustible material.

### Hazard and Safety Data

UN Group: II  
Class: 6.1  
UN Number: 1564  
Hazchem code: 2Z  
CS MSDS Code: 1CHAP  
Poison schedule: S6  
Emergency  
Procedure Guide No.: 37

### Quality Specification

Assay: 99.0% min.

### Specific Properties and Impurities [Typical levels]:

Melting Point (@ 90 atm)	174 °C
Melting Point (@ 760 mm)	811 °C
Specific Gravity	4.275
Solubility in Water (20 °C)	0.02 g/L
Insoluble in dilute hydrochloric acid	≤ 0.015%
Chloride (Cl)	≤ 0.002%
Water-soluble titrable base	≤ 0.002 meq/g
Oxidizing substances (as NO <sub>3</sub> )	≤ 0.005%
Sulfide (S)	≤ 0.001%
Calcium (Ca)	≤ 0.05%
Potassium (K)	≤ 0.005%
Sodium (Na)	≤ 0.02%
Strontium (Sr)	≤ 0.7%
Heavy metals (as Pb)	≤ 0.001%
Iron (Fe)	≤ 0.002%

CONFORMS TO ACS

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