

# Product Specification

## Barium Chloride Dihydrate, ACS Reagent Grade

**Lot Number:** SAMPLE

**Product Number:** RDCB0080

**Date Packaged:** N/A

**Expiration Date:** N/A

Chemical formula: BaCl<sub>2</sub>·2H<sub>2</sub>O  
Formula weight: 244.26

### Contains

BaCl<sub>2</sub>·2H<sub>2</sub>O CAS No. 10326-27-9 MW 244.26

Test	Specification	Result
Assay	min 99.0 %	N/A
Calcium (Ca)	max 0.05 %	N/A
Heavy Metals (as Pb)	max 5 ppm	N/A
Insoluble Matter	max 0.005 %	N/A
Iron (Fe)	max 2 ppm	N/A
Loss on drying at 150 °C	14.0-16.0 %	N/A
Oxidizing Substances (as NO <sub>3</sub> )	max 0.005 %	N/A
pH of 5% Solution	5.2-8.2	N/A
Potassium (K)	max 0.0025 %	N/A
Sodium (Na)	max 0.005 %	N/A
Strontium (Sr)	max 0.1 %	N/A

Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document traceability and production history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RDCB0080-1000B1	1 kg white poly	84 months
RDCB0080-100B1	100 g poly	84 months
RDCB0080-2.5A5	2.5 kg poly natural	84 months
RDCB0080-500B1	500 g poly	84 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."