



Product Specification

Product Name: BARIUM CHLORIDE Dihydrate AR

Alternate Name(s)

Description

Colourless to white crystalline powder; odourless; bitter and salty taste.

Properties

Chemical Formula: BaCl₂•2H₂O

Molecular Weight: 244.27

Product Code: BA027

CAS No. 10326-27-9

General Information:

Soluble in water and methanol. Practically insoluble in ethanol, acetone and ethyl acetate. Incompatible with strong oxidizers.

Hazard and Safety Data

UN Group: III
Class: 6.1
UN Number: 1564
Hazchem code: 2Z
CS MSDS Code: 1CH19
Poison schedule: S6
Emergency
Procedure Guide No.: 37

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Specific Gravity	3.097
Melting point	963°C (anhydrous)
Loss on drying @ 150°C	14.0 - 16.0%
pH of 5% solution @ 25°C	5.2 - 8.2
Insoluble matter	≤ 0.005%
Oxidizing substances (as NO ₃)	≤ 0.005%
Heavy metals (as Pb)	≤ 0.0005%
Calcium (Ca)	≤ 0.05%
Iron (Fe)	≤ 0.0002%
Potassium (K)	≤ 0.0025%
Sodium (Na)	≤ 0.005%
Strontium (Sr)	≤ 0.1%

CONFORMS TO ACS

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