

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	30184
Lot Number	002251-05915
Product	Barium hydroxide octahydrate

CAS Number	12230-71-6
Molecular Formula	Ba(OH) ₂ •8H ₂ O
Molecular Weight	315.46

Appearance	White crystalline powder
Solubility	7 g per 100 mL at 20 °C
Melting Point	78 °C (Approx.)
Heavy Metals	< 5 ppm (as Pb)
Anion	Chloride (Cl ⁻): < 0.001% Sulfide (S ²⁻): Passes test
Cation	Calcium (Ca): 0.0008% Potassium (K): 0.0007% Sodium (Na): 0.007% Strontium (Sr): 0.3% Iron (Fe): < 0.001%
Carbonate	0.37% (as BaCO ₃)
Insoluble	0.004% in dilute hydrochloric acid
Assay by titration	98.55%
Grade	ACS reagent
Application	It is extensively used in the manufacturing of barium salts and barium organic compounds, refining oils and sugar.
Storage	Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager