

# *Chem-Impex International, Inc.*

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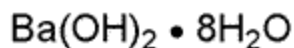
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*



<b>Catalogue Number</b>	30184
<b>Product</b>	<b>Barium hydroxide octahydrate</b>
<b>CAS Number</b>	12230-71-6
<b>Molecular Formula</b>	$\text{Ba(OH)}_2 \cdot 8\text{H}_2\text{O}$
<b>Molecular Weight</b>	315.46

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	7 g per 100 mL at 20 °C
<b>Melting Point</b>	78 °C (Approx.)
<b>Heavy Metals</b>	≤ 5 ppm (as Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): ≤ 0.001% Sulfide (S <sup>2-</sup> ): To pass test
<b>Cation</b>	Calcium (Ca): ≤ 0.05% Potassium (K): ≤ 0.01% Sodium (Na): ≤ 0.01% Strontium (Sr): ≤ 0.8% Iron (Fe): ≤ 0.001%
<b>Carbonate</b>	≤ 2.0% (as BaCO <sub>3</sub> )
<b>Insoluble</b>	≤ 0.01% in dilute hydrochloric acid
<b>Assay by titration</b>	≥ 98.0%
<b>Grade</b>	ACS reagent
<b>Application</b>	It is extensively used in the manufacturing of barium salts and barium organic compounds, refining oils and sugar.
<b>Storage</b>	Store at RT

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**For Laboratory Use Only**