

**B0197HH Gold Line**

octahydrate

**Typical analysis**

Assay	97%
Chloride (Cl)	0.01%
HCl-insoluble matter	0.05%
Iron (Fe)	0.005%
Lead (Pb)	0.005%

**Packaging**

500g white plastic jar

**B0198HH Platinum Line**

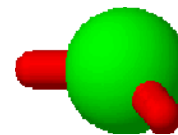
octahydrate

**Warranty certificate**

Assay	min 97%
Barium carbonate (BaCO <sub>3</sub> )	2%
Calcium (Ca)	0.005%
Chloride (Cl)	0.005%
HCl-insoluble matter	0.01%
Iron (Fe)	0.001%
Lead (Pb)	0.001%
Sulphide (S)	0.001%

**Packaging**

500g white plastic jar

**Physical properties, composition and data**

Chemical formula	Ba(OH) <sub>2</sub> ·8H <sub>2</sub> O or H <sub>2</sub> BaO <sub>2</sub> ·8H <sub>2</sub> O
Chemical group	Hydroxides
Synonym	Barium hydrate; Barium octahydrate; Barium oxide hydrate; Caustic baryta
Atomic weight	315.47
Appearance	Transparent crystals or white powder
Solubility	Soluble in methanol and water
Melting point	78°C
Boiling point	Loses all water of hydration at 408°C
Density (g/ml)	2.18
pH (aqueous solution)	12.5
Hazardous material	Harmful

**Laboratory preparation, applications and practices**

Laboratory preparation	Dissolve barium oxide in water
Usage	Analytical reagent. Detection of carbon dioxide

**Storage and handling information**

Storage	Keep container tightly closed in a dry place separated from strong acids
Safety phrases	26-28
Risk phrases	20/22-36/38
Disposal methods	2

**Transport regulations**

Tariff code	2816.30.00
Hazardous class	8
Packing group	III
UN number	3262
ERG number	154

