

BARIUM HYDROXIDE OCTAHYDRATE

- Synonyms: Caustic baryta, Barium oxide hydrate octahydrate
- $\text{Ba}(\text{OH})_2 \cdot 8\text{H}_2\text{O}$
- $M = 315,48 \text{ g/mol}$
- CAS [12230-71-6]
- EINECS-No.: 241-234-5
- Solub. in water: (15 °C): 56 g/l
- Melting point: 78 °C
- LD 50 (oral, rat): 550 mg/kg
- ADR: 8 CT2 II UN 2923
- IMDG: 8 II UN 2923
- IATA/ICAO: 8 II UN 2923
- GHS-signal word: Warning
- GHS-H sentences: H302 - H332
- GHS-P sentences: P261 - P264 - P270 - P304 + P340 - P330 - P501a
- Tariff number: 2816 40 00 00
- Applications: analytical chemistry, for the detection of: carbon dioxide; in pesticide compositions, in lubricant compositions, in the rubber industry.

BA0063 Barium hydroxide octahydrate, EssentQ®



assay (complexometric)	min. 97 %	iron (Fe)	max. 0,001 %
insoluble in HCl	max. 0,01 %	lead (Pb)	max. 0,002 %
carbonates (as BaCO_3)	max. 2 %	strontium (Sr)	max. 1 %
chlorides (Cl)	max. 0,005 %	non precipitable with H_2SO_4 (as SO_4)	max. 0,2 %
sulfides (S)	max. 0,001 %		
calcium (Ca)	max. 0,005 %		
heavy metals (as Pb)	max. 10 ppm		

ART. NO.	VOLUME	CONTAINER
BA00630500	500 g	
BA00631000	1 kg	
BA0063005P	5 kg	
BA0063025P	25 kg	

BA0065 Barium hydroxide octahydrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (acidimetric)	min. 98,0 %	iron (Fe)	max. 5 ppm
insoluble in HCl	max. 0,005 %	lead (Pb)	max. 5 ppm
carbonates (as BaCO_3)	max. 2,0 %	magnesium (Mg)	max. 0,002 %
chlorides (Cl)	max. 0,001 %	potassium (K)	max. 0,01 %
sulfides (S)	max. 0,0005 %	sodium (Na)	max. 0,01 %
cadmium (Cd)	max. 5 ppm	strontium (Sr)	max. 0,5 %
calcium (Ca)	max. 0,002 %	zinc (Zn)	max. 5 ppm
heavy metals (as Pb)	max. 5 ppm	non precipitable with H_2SO_4 (as SO_4)	max. 0,2 %

ART. NO.	VOLUME	CONTAINER
BA00650500	500 g	
BA00651000	1 kg	

BARIUM NITRATE

- Synonyms: Nitric acid barium salt
- $\text{Ba}(\text{NO}_3)_2$
- $M = 261,35 \text{ g/mol}$
- CAS [10022-31-8]
- EINECS-No.: 233-020-5
- Solub. in water: (20 °C): 90 g/l
- Melting point: 592 - 595 °C
- LD 50 (oral, rat): 355 mg/kg
- EC-Index-No.: 056-002-00-7
- ADR: 5.1 OT2 II UN 1446
- IMDG: 5.1 II UN 1446
- IATA/ICAO: 5.1 II UN 1446
- GHS-signal word: Warning
- GHS-H sentences: H302 + H332 -
- GHS-P sentences: P210 - P220 - P221 - P261 - P305 + P351 + P338 - P370 + P378 - P501a
- Tariff number: 2834 29 20 00
- Applications: analytical chemistry, in explosive compositions.
- Appearance: White crystals

BA0073 Barium nitrate, EssentQ®



assay (complexometric)	min. 99 %	calcium (Ca)	max. 0,1 %
insoluble in water	max. 0,02 %	chlorides (Cl)	max. 0,002 %
acidity (as HNO_3)	max. 0,01 %	iron (Fe)	max. 5 ppm
pH (5 %, H_2O)	5,0 - 8,0	strontium (Sr)	max. 0,1 %

ART. NO.	VOLUME	CONTAINER
BA00730500	500 g	

BA0075 Barium nitrate, ExpertQ®, for analysis, ACS, Reag. Ph Eur



assay (complexometric)	min. 99,0 %	sodium (Na)	max. 0,005 %
insoluble in water	max. 0,01 %	strontium (Sr)	max. 0,05 %
pH (5 %, H_2O)	5,0 - 8,0		
chlorides (Cl)	max. 5 ppm		
calcium (Ca)	max. 0,002 %		
heavy metals	max. 5 ppm		
iron (Fe)	max. 2 ppm		
potassium (K)	max. 0,005 %		

ART. NO.	VOLUME	CONTAINER
BA00750250	250 g	
BA00750500	500 g	
BA00751000	1 kg	
BA0075005P	5 kg	
BA0075025P	25 kg	