

**Barium chloride dihydrate, for analysis, ExpertQ®, ACS, ISO, Reag.
Ph Eur**
Identification

BaCl₂·2H₂O

M = 244,28 g/mol

CAS [10326-27-9]

EC number: 233-788-1

Taric code: 2827 39 85

Applications

analytical chemistry, for determination of: sulfates.

Specifications

assay (complexometric).....	min. 99,0 %	heavy metals.....	max. 5 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 1 ppm
insoluble in water.....	max. 0,005 %	lead (Pb).....	max. 0,001 %
pH (5 %, H ₂ O).....	5,2 - 8,0	potassium (K).....	max. 0,0025 %
total nitrogen (as N).....	max. 0,002 %	sodium (Na).....	max. 0,005 %
oxidizing substances (as NO ₃).....	max. 0,005 %	strontium (Sr)	max. 0,05 %
calcium (Ca).....	max. 0,005 %	loss on drying (150 °C)	14,0 - 16,0 %

Physical data

- Bulk density: ~ 1200 - 1400 kg/m³
- Solub. in water: (20 °C): 357 g/l
- Melting point: 962 °C (release of crystalline water)
- pH(50 g/l H₂O, 20 °C) ~ 5,2 - 8,2

Safety - GHS

Signal Word: Danger

Hazard Statements:

H301: Toxic if swallowed.

H332: Harmful if inhaled.


Precautionary Statements:

P261: Avoid breathing dust / fume / gas / mist / vapours / spray.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P321: Specific treatment (see on this label).

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P405: Store locked up.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T5 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Barium chloride dihydrate)
- IMDG: 6.1 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Barium chloride dihydrate)
- IATA/ICAO: 6.1 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Barium chloride dihydrate)
- PAX: 619
- CAO: 619
- 10°C - 30°C