

**Identification**

NH<sub>4</sub>Br  
M = 97,94 g/mol  
CAS [12124-97-9]  
EC number: 235-183-8  
Taric code: 2827 59 00

**Applications**

analytical chemistry, photography.

**Specifications**

assay (argentometric).....	min. 99 %	barium (Ba).....	max. 0,002 %
insoluble in water.....	max. 0,005 %	calcium (Ca).....	max. 0,01 %
pH (5 %, H <sub>2</sub> O).....	4,5 - 6,0	copper (Cu).....	max. 0,0003 %
bromates (BrO <sub>3</sub> ).....	max. 0,002 %	heavy metals (as Pb).....	max. 0,0005 %
chlorides (Cl).....	max. 0,2 %	iron (Fe).....	max. 0,0005 %
iodides (I).....	passes test	magnesium (Mg).....	max. 0,002 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	substances reducing KMnO <sub>4</sub> .....	passes test
sulfides (S).....	max. 0,0002 %	residue on ignition.....	max. 0,01 %
arsenic (As).....	max. 0,0002 %	loss on drying (105 °C).....	max. 0,1 %

**Physical data**

- Spec. Density: 2,43 g/cm<sup>3</sup>
- Bulk density: ~ 1100 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 598 g/l
- Melting point: 542 °C
- pH(50 g/l H<sub>2</sub>O, 25 °C) 4,8
- Hygroscopic

**Transport/storage**

- 10°C - 30°C