

**Product Name:** Betaine, 98%, for analysis, anhydrous  
**Catalog Number:** 204241000

**CAS Number:** 107-43-7  
**IUPAC Name:** 2-(trimethylazaniumyl)acetate  
**Molecular Formula:** C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>  
**Molecular Weight:** 117.15  
**InChI Key:** KWIUHFFTVRNATP-UHFFFAOYSA-N  
**SMILES:** C[N+](C)(C)CC([O-])=O  
**Synonym:** Bet abromine betafin bcr citrate de b ta ne upsa scorbo b ta ne betafin betaine  
 glycylobetaine loramine amb 13 aminocoat

## Product Specification

**Appearance (Color):** White  
**Appearance (Form):** Crystalline powder or crystals  
**Infrared spectrum:** Conforms  
**Titration with HClO<sub>4</sub>:** 97.5 to 102.5 %  
**Loss on drying:** ≤1 % (140°C, 3 h)  
**Heavy metals (as Pb):** ≤10 ppm  
**Sulfated ash:** ≤0.1 %  
**UV transmittance:** ≥95 % (c=10, H<sub>2</sub>O, 430 nm) 1 cm cell  
**Chloride (Cl):** ≤200 ppm  
**Sulfate (SO<sub>4</sub>):** ≤200 ppm  
**Ammonium (NH<sub>4</sub>):** ≤200 ppm  
**Iron (Fe):** ≤20 ppm

**Date Of Print:** 05/13/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*