

Certificate of Analysis

Product Name:

Betaine - ≥98% (perchloric acid titration)

Product Number:

B2629

Batch Number:

MKCZ1275

Brand:

SIGMA

CAS Number:

107-43-7

MDL Number:

MFCD00012123

Formula:

C₅H₁₁NO₂

Formula Weight:

117.15 g/mol

Storage Temperature:

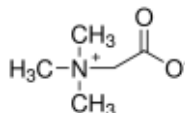
Store at 2-8 DEGREE C

Quality Release Date:

27 JUN 2025

Recommended Retest Date:

JUN 2027



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder or Crystals	Crystals
Solubility (Color)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL, H ₂ O		
Water (by Karl Fischer)	≤ 2.0 %	1.9 %
Carbon (anhydrous)	50.2 - 52.3 %	51.3 %
Nitrogen (anhydrous)	11.5 - 12.5 %	11.9 %
Titration with HClO ₄	≥ 98 %	100 %
Anhydrous basis		
Recommended Retest Period	-----	-----
2 Years		



Larry Coers, Director

Quality Control

Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

