

Certificate of Analysis

Product Name:

Tris(hydroxymethyl)aminomethane - ACS reagent, ≥99.8%

Product Number: 252859
Batch Number: BCCJ5370
Brand: SIAL
CAS Number: 77-86-1
Formula: C₄H₁₁NO₃
Formula Weight: 121,14 g/mol
Quality Release Date: 20 OCT 2022
Recommended Retest Date: SEP 2028



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystals or Granules or Chunks	Crystals with Chunk(s)
Titration with HCl (With HCl or H ₂ SO ₄) (Dried)	99.8 - 100.1 %	100.1 %
Insoluble Matter (C= 10%, H ₂ O)	≤ 0.005 %	< 0.005 %
Water	≤ 2.0 %	0.2 %
Infrared Spectrum	Conforms to Structure	Conforms
Absorbance A _{290nm} (C= 40% in H ₂ O)	≤ 0.2	0.0
Meets ACS Requirements Meets Current Acs Requiremetns	Corresponds to Requirements	Corresponds
Heavy Metal by ICP	≤ 5 ppm	< 5 ppm
Iron (Fe) by ACS Assay	≤ 5 ppm	< 5 ppm

Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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.

