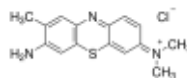


Certificate of Analysis

Product Name:

Toluidine Blue O - Technical grade

Product Number: T3260
Batch Number: SHBS5849
Brand: SIAL
CAS Number: 92-31-9
MDL Number: MFCD00011934
Formula: C₁₅H₁₆ClN₃S
Formula Weight: 305.83 g/mol
Quality Release Date: 24 MAR 2025



Test	Specification	Result
Appearance (Form)	Powder	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Carbon	47.1 - 61.9 %	48.5 %
Nitrogen	11.0 - 14.4 %	11.3 %
Solubility (Color) c = 4mg/4ml; Water	Dark Blue to Very Dark Blue and Dark Purple to Very Dark Purple and Blue-Purple	Very Dark Purple
Dye Content Approximately 85%		85.0 %



Larry Coers, Director
Quality Control
Sheboygan Falls, 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.

