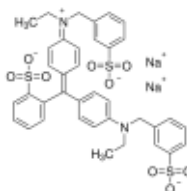


Certificate of Analysis

Product Name:

Brilliant Blue FCF - analytical standard

Product Number: 80717
Batch Number: BCCG8700
Brand: SIAL
CAS Number: 3844-45-9
Formula: C₃₇H₃₄N₂O₉S₃.2Na
Formula Weight: 792,85 g/mol
Quality Release Date: 23 NOV 2021
Expiration Date: NOV 2024



Test	Specification	Result
Appearance (Color)	Red to Very Dark Red and Purple to Very Dark Purple and Red-Purple	Very Dark Purple
Appearance (Form)	Powder or Crystals	Powder
Purity (HPLC)	≥ 97.0 %	97.1 %
LC-MS Identity	Identity Confirmed	Identity Confirmed
Carbon Content		52.12 %
56.05 % (Theory)		
Hydrogen Content		4.60 %
4.32 % (Theory)		
Nitrogen Content		3.06 %
3.53 % (Theory)		
1H NMR Spectrum	Conforms to Structure	Conforms
13C NMR Spectrum	Conforms to Structure	Conforms

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.

