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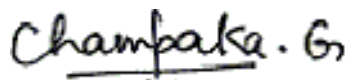
Email USA: techserv@sial.com

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Certificate of Analysis

Product Name : (S,R,S)-AHPC-PEG₅-Alkyne
Product Number : 901855-VAR
Batch Number : 0000060233
Source Batch : 0000055136
Storage Temperature : Cooler/Refrigerated
Molecular Formula : C₃₆H₅₂N₄O₉S
Formula Weight : 716.88
Quality Release Date : 18 Mar 2019

Test	Specification	Result
Appearance (Color)	White to Yellow	Faint Yellow
Appearance (Form)	Powder or Solid or Crystals or Semi-Solid or Liquid	Semi-Solid
1H NMR Spectrum	Conforms to Structure	Conforms
Specific Rotation		1.990
Carbon	54.0 - 66.7 %	58.5 %
Nitrogen	7.0 - 8.7 %	7.9 %
Sulfur	4.0 - 5.0 %	4.1 %
Purity (HPLC)	≥ 89.5 %	96.8 %



Champaka Gurudevuru, Manager

Analytical

Bangalore

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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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale