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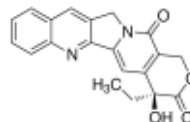
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

(S)-(+)-Camptothecin - ≥90% (HPLC), powder

**Product Number:** C9911  
**Batch Number:** SLBX4676  
**Brand:** SIGMA  
**CAS Number:** 7689-03-4  
**MDL Number:** MFCD00081076  
**Formula:** C<sub>20</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>  
**Formula Weight:** 348.35 g/mol  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 17 MAY 2018



Test	Specification	Result
Appearance (Color)	Faint Yellow to Very Dark Yellow and Faint Beige to Dark Beige and Faint Brown to Brown	Faint Yellow
Appearance (Form)	Powder	Powder
Solubility (Color)	Very Faint Yellow to Dark Yellow and Very Faint Green-Yellow to Dark Green-Yellow and Very Faint Brown-Yellow	Faint Yellow
Solubility (Turbidity) 5 mg/ml, CHCl <sub>3</sub> :MeOH (4:1)	Clear to Slightly Hazy	Clear
Carbon	66.5 - 70.3 %	68.5 %
Nitrogen	7.4 - 8.3 %	8.0 %
% Purity (HPLC)	≥ 90	100

Rodney Burbach, Manager  
 Analytical Services  
 St. Louis, Missouri 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.