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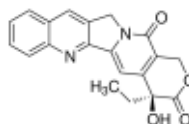
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

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

**Product Number:** C9911  
**Batch Number:** WXBC8323V  
**Brand:** SIGMA  
**CAS Number:** 7689-03-4  
**Formula:** C<sub>20</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>  
**Formula Weight:** 348.36 AMU  
**Storage Temperature:** Store at 2-8 DEGREE C  
**Quality Release Date:** 12 SEP 2018



Test	Specification	Result
Appearance (Colour)	Faint Yellow to Very Dark Yellow and Faint Beige to Dark Beige and Faint Brown to Brown	Faint Yellow
Appearance (Form)	Powder	Powder
Solubility (Colour)	Conforms to Requirements	Faint Yellow
	Very Faint Yellow to Dark Yellow and Very Faint Green-Yellow to Dark Green-Yellow and Very Faint Brown-Yellow to Dark Brown-Yellow	
Solubility (Turbidity)	Clear to Slightly Hazy	Clear
	5mg/ml, CHCl <sub>3</sub> :MeOH(4:1)	
Carbon	66.5 - 70.3 %	68.0 %
Nitrogen	7.4 - 8.3 %	7.8 %
Purity (HPLC)	≥ 90 %	100 %

Steven Chen, Manager  
Quality Control  
Wuxi, China CN

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.