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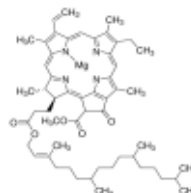
Email USA: techserv@sial.com

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## Certificate of Analysis

Product Name:  
Chlorophyll a - from spinach

**Product Number:** C5753  
**Batch Number:** SLBN5607V  
**Brand:** SIGMA  
**CAS Number:** 479-61-8  
**MDL Number:** MFCD00079050  
**Formula:** C<sub>55</sub>H<sub>72</sub>MgN<sub>4</sub>O<sub>5</sub>  
**Formula Weight:** 893.49 g/mol  
**Storage Temperature:** Store at -20 °C  
**Quality Release Date:** 05 AUG 2015  
**Recommended Retest Date:** JUN 2018



Test	Specification	Result
Appearance (Color)	Blue to Very Dark Blue	Very Dark Blue
Appearance (Form)	Powder	Powder
Solubility (Color)	Blue, Green, or Blue-Green	Blue-green
Solubility (Turbidity)	Clear	Clear
10 ug/mL, Ether		
EmM	82 - 91	89
(660-662 nm in Ether)		
EmM	106 - 118	115
(428-430 nm in Ether)		
Purity (HPLC)	≥ 85 %	95 %
% Purity (HPLC)	≤ 0.4	0.2
Chlorophyll B		
Proton NMR Spectrum	Conforms to Structure	Conforms

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.