

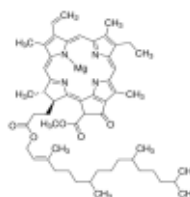
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## Product Specification

Product Name:  
Chlorophyll a - from spinach

**Product Number:** C5753  
**CAS Number:** 479-61-8  
**MDL:** 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:** -20 °C



| TEST                         | Specification                             |
|------------------------------|---|
| Appearance (Color)           | Blue to Very Dark Blue to Very Dark Green |
| Appearance (Form)            | Powder                                    |
| Solubility (Color)           | Green and Blue-Green                      |
| Solubility (Turbidity)       | Clear                                     |
| EmM<br>(660-662 nm in Ether) | 82 - 91                                   |
| EmM<br>(428-430 nm in Ether) | 106 - 118                                 |
| Purity (HPLC)                | ≥ 85 %                                    |
| Impurity                     | ≤ 0.4 %                                   |
| Chlorophyll B by HPLC        |   |
| Proton NMR spectrum          | Conforms to Structure                     |
| Recommended Retest Period    | -----                                     |
| 3 years                      |   |

Specification: PRD.3.ZQ5.10000025550

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](http://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.

