

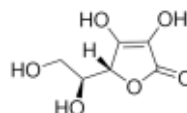
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## Product Specification

Product Name:  
L-Ascorbic acid - powder, suitable for cell culture,  $\gamma$ -irradiated

**Product Number:** A4403  
**CAS Number:** 50-81-7  
**MDL:** MFCD00064328  
**Formula:** C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>  
**Formula Weight:** 176.12 g/mol



TEST	Specification
Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear
10 mg/mL H <sub>2</sub> O	
Infrared spectrum	Conforms to Structure
Cell Culture Performance	Pass
Initial Gamma Irradiation	≥ 20 kGy
Final Gamma Irradiation	≤ 30 kGy

Specification: PRD.2.ZQ5.10000007196

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.

