

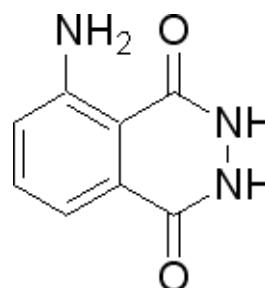
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Luminol - 97%

Product Number: 123072  
CAS Number: 521-31-3  
MDL: MFCD00006890  
Formula: C<sub>8</sub>H<sub>7</sub>N<sub>3</sub>O<sub>2</sub>  
Formula Weight: 177.16 g/mol



### TEST

### Specification

Appearance (Color)	White to Yellow and Faint Orange to Orange and Faint Beige to Beige and Faint Brown to Brown
Appearance (Form)	Powder or Chunks
Infrared spectrum	Conforms to Structure
Carbon	52.3 - 56.1 %
Nitrogen	22.9 - 24.6 %
Purity (HPLC)	≥ 96.5 %
Solubility (Turbidity)	Clear to Slightly Hazy
Solubility Concentration: 50 mg/mL in Dimethylsulfoxide	
Solubility (Color)	Conforms to Requirements
	Colorless to Light Yellow to Yellow to Yellow-Green to Orange to Brown

Specification: PRD.3.ZQ5.10000008928

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.