

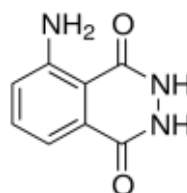
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## Product Specification

Product Name:  
Luminol - ≥97% (HPLC)

**Product Number:** A8511  
**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 to Orange
Appearance (Form)	Powder or Chunks
Infrared spectrum	Conforms to Structure
Carbon (anhydrous)	52.3 - 56.1 %
Nitrogen (anhydrous)	22.9 - 24.6 %
Purity (HPLC)	≥ 97.0 %
Water (by Karl Fischer)	≤ 5.0 %
Solubility (Turbidity) 50mg/ml, Dimethylsulfoxide	Clear to Slightly Hazy
Solubility (Color)  Colorless to Light Yellow to Yellow to Yellow-Green to Orange to Brown	Conforms to Requirements
Recommended Retest Period 3 Years	-----

Specification: PRD.1.ZQ5.10000012304

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.