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Website: www.sigmaaldrich.com

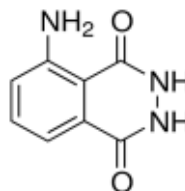
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:  
Luminol - ≥97% (HPLC)

**Product Number:** A8511  
**Batch Number:** MKCF4213  
**Brand:** SIGMA  
**CAS Number:** 521-31-3  
**MDL Number:** MFCD00006890  
**Formula:** C<sub>8</sub>H<sub>7</sub>N<sub>3</sub>O<sub>2</sub>  
**Formula Weight:** 177.16 g/mol  
**Quality Release Date:** 14 DEC 2017  
**Recommended Retest Date:** NOV 2020



Test	Specification	Result
Appearance (Color)	White to Yellow to Orange	Faint Beige
Appearance (Form)	Powder or Chunks	Powder with Chunk(s)
Infrared Spectrum	Conforms to Structure	Conforms
Carbon (anhydrous)	52.3 - 56.1 %	52.7 %
Nitrogen (anhydrous)	22.9 - 24.6 %	23.4 %
Purity (HPLC)	≥ 97.0 %	100.0 %
Water (by Karl Fischer)	≤ 5.0 %	0.0 %
Solubility (Turbidity)	Clear to Slightly Hazy	Clear
50mg/ml, Dimethylsulfoxide		
Solubility (Color)	Conforms to Requirements	Brown-Yellow
Colorless to Light Yellow to Yellow to Yellow-Green to Orange to Brown		
Recommended Retest Period	-----	-----
3 Years		

Michael Grady, Manager  
 Quality Control  
 Milwaukee, WI 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.