

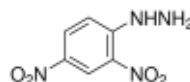
3050 Spruce Street, Saint Louis, MO 63103, USA

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:  
2,4-Dinitrophenylhydrazine – reagent grade, 97%

Product Number: **D199303**  
CAS Number: 119-26-6  
MDL: MFCD00007578  
Formula: C<sub>6</sub>H<sub>6</sub>N<sub>4</sub>O<sub>4</sub>  
Formula Weight: 198.14 g/mol



### TEST

### Specification

Appearance (Color)	Orange to Very Dark Orange and Red to Very Dark Red and Orange-Red and Red-Orange
Appearance (Form)	Powder or Crystals
Infrared spectrum	Conforms to Structure
Carbon Content	35.0 - 37.6 %
anhydrous basis	
Nitrogen Content	27.3 - 29.3 %
anhydrous basis	
Purity (HPLC)	≥ 96.5 %
Recommended Retest Period	-----
2 Years	
Note	Confirmed
Moist Solid Containing 33% Water (Minimum)	

Specification: PRD.2.ZQ5.10000026853

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.