

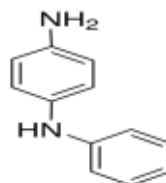
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## Product Specification

Product Name:  
N-Phenyl-p-phenylenediamine - 98%

Product Number: 241393  
CAS Number: 101-54-2  
MDL: MFCD00007850  
Formula: C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>  
Formula Weight: 184.24 g/mol



### TEST

### Specification

Appearance (Color)	Conforms to Requirements
Violet to Purple to Black	
Appearance (Form)	Powder or Crystals or Flakes or Chunks
<sup>1</sup> H NMR Spectrum	Conforms to Structure
Carbon	76.3 - 80.2 %
Nitrogen	14.8 - 15.6 %
Purity (GC)	≥ 97.5 %

Specification: PRD.2.ZQ5.10000052220

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.

