

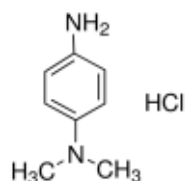
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## Product Specification

Product Name:  
N,N-Dimethyl-p-phenylenediamine monohydrochloride

Product Number: **D5004**  
CAS Number: 2052-46-2  
MDL: MFCD00012990  
Formula: C<sub>8</sub>H<sub>12</sub>N<sub>2</sub> · HCl  
Formula Weight: 172.66 g/mol  
Storage Temperature: -20 °C



### TEST

### Specification

Appearance (Color)	Faint Grey to Very Dark Grey
Appearance (Form)	Powder
Solubility (Turbidity) 50 mg/mL, H <sub>2</sub> O	Clear to Slightly Hazy
Water (by Karl Fischer)	≤ 10 %
Purity (TLC)	≥ 95 %
Chloride Content by AgNO <sub>3</sub> Anhydrous	11.8 - 28.0 %
Recommended Retest Period 4 Years	-----

Specification: PRD.3.ZQ5.10000006256

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.