

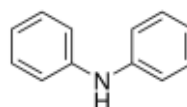
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Product Specification

Product Name:
Diphenylamine - ACS reagent, ≥99%

Product Number: 242586
CAS Number: 122-39-4
MDL: MFCD00003014
Formula: C₁₂H₁₁N
Formula Weight: 169.22 g/mol



TEST	Specification
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Appearance (Color)	White to Off-White
Appearance (Form)	Powder or Crystal or Chunk(s)
Melting Point	52.5 - 54.0 °C
Infrared spectrum	Conforms to Structure
Carbon	84.3 - 86.0 %
Nitrogen	8.0 - 8.6 %
Purity (GC)	≥ 99.0 %
Residue on ignition (Ash)	≤ 0.03 %
Solubility (Turbidity) c = 2%, Ethanol	Clear
Solubility (Color)	Colorless
Nitrates (P/F)	Pass
Sensitivity Test Sensitivity to Nitrate (P/F)	Pass

Specification: PRD.2.ZQ5.10000010809

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.