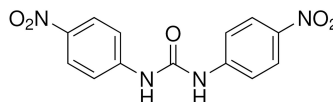


Certificate of Analysis

Product Name : 1,3-Bis(4-nitrophenyl)urea 97%
Product Number : 390151-5G
Batch Number : 0000462856
Source Batch : 0000445184
CAS Number : 587-90-6
MDL Number : MFCD00024602
Molecular Formula : C₁₃H₁₀N₄O₅
Formula Weight : 302.24 g/mol
Quality Release Date : 22 May 2025



Test	Specification	Result
Appearance (Color)	Yellow	Yellow
Appearance (Form)	Powder or Crystals	Powder
¹ H NMR Spectrum	Conforms to Structure	Conforms
Carbon Content	49.8 - 53.5 %	51.4 %
Nitrogen Content	17.9 - 19.2 %	18.4 %
Purity (TLC)	≥ 97.0 %	> 97.0 %
Solubility (Color)	Yellow to Orange	Yellow
c = 50mg/mL, Dimethyl Sulfoxide		
Solubility (Turbidity)	Clear	Clear

Pramod Kadam(PhD), Manager
Analytical
Bangalore
IN

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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