

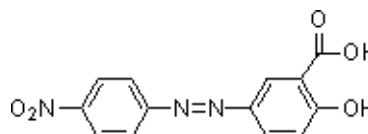
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Product Specification

Product Name:
Mordant Orange 1 - Dye content 70 %

Product Number: 195073
CAS Number: 2243-76-7
MDL: MFCD00007313
Formula: C₁₃H₉N₃O₅
Formula Weight: 287.23 g/mol



TEST	Specification
Appearance (Color)	Brown to Very Dark Brown
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Wavelength	380 - 390 nm
Extinction Coefficient	≥ 16000
Wavelength	266 - 276 nm
Extinction Coefficient	≥ 7000
c = 0.006G/L, in Methanol	
Carbon	≥ 37.0 %
Nitrogen	≥ 9.9 %
TLC	Conforms to Structure
Solubility (Color)	Red to Very Dark Red
c = 1%, 1N NH ₄ OH	

Specification: PRD.0.ZQ5.10000014747

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.