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Product Specification

Product Name:
Acridine Orange hemi(zinc chloride) salt - Dye content 85 %

Product Number: 158550
CAS Number: 10127-02-3
MDL: MFCD00081043
Formula: C₁₇H₁₉N₃ · HCl · 0.5ZnCl₂
Formula Weight: 369.96 g/mol



TEST

Specification

Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Wavelength 0.005 g/l; Water	489 - 495 nm
Extinction Coefficient	≥ 38000
Wavelength	285 - 291 nm
Extinction Coefficient	≥ 18000
Wavelength	265 - 271 nm
Extinction Coefficient	≥ 38000
Carbon	≥ 46.3 %
Nitrogen	≥ 9.5 %
ICP Major Analysis	Confirmed
Confirms Zinc Component	
Solubility (Turbidity) C = 1mg/ml, H ₂ O	Clear
Solubility (Color)	Orange to Very Dark Orange and Brown to Very Dark Brown and Red-Orange and Red-Brown and Orange-Brown and Very Dark Red-Brown

Specification: PRD.1.ZQ5.10000037043

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.

