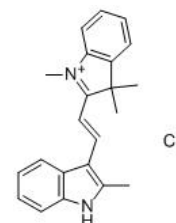


Technical Data Sheet

BASIC ORANGE 21

Compound Information

Product Name:	BASIC ORANGE 21
CAS No.:	3056-93-7
Molecular Formula:	C ₂₂ H ₂₃ ClN ₂
Molecular Weight:	350.88
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Appearance	Red powder
Solution (Color)	Red-orange
Solution (Turbidity)	Clear to hazy
Absorbance Ratio (3)	487 - 493 nm
Absorption Excitation (1)	268 - 274 nm
Extinction Coefficient (1)	≥ 3000
Absorption Excitation (2)	282 - 288 nm
Extinction Coefficient (2)	≥ 3000
Extinction Coefficient (3)	≥ 19000
Carbon	30.0 - 60.0%
Nitrogen	≥ 3.0%
MS	Pass test
IR	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.