

Catalog Number F143
Product Name fluorescein-5-isothiocyanate (FITC 'Isomer I')
Appearance orange solid
Lot Number 2127264

	LOT DATA	SPECIFICATION
Absorption¹		
Maximum	494 nm	494 ± 3 nm
Extinction	78000 cm ⁻¹ M ⁻¹	78000 ± 7000 cm ⁻¹ M ⁻¹
Fluorescence¹		
Emission Maximum	520 nm	520 ± 4 nm
HPLC²		
Isomer Purity	99 % at 254 nm	≥ 97 % at 254 nm
HPLC³		
Purity	99 % at 254 nm	≥ 95 % at 254 nm
NMR		
Result	meets specification	consistent with structure
Miscellaneous Information		
Material Lot Number	2066925A	n.a.

1. Solvent: Buffer, 50 mM potassium phosphate (pH 9)

2. Method: Compositional Analysis

3. Method: Derivatized with n-butylamine. Purity value represents total reactive dye content



Rachel Smith, Quality Assurance Manager
 4-Sep-2019

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.