

CERTIFICATE OF ANALYSIS

Product	Fluorescein isothiocyanate, Isomer I [FITC]
Grade	Conjugation
Product Code	F742107
Formula	C ₂₁ H ₁₁ NO ₅ S
MW	389.39
CAS#	3326-32-7
Lot No	

Test Items	Specifications	Results
Appearance	yellow-orange crystalline powder	
Solution (1 % in ethanol/toluene)	yellow-orange, clear	
Solution (0.5 % in acetone)	yellow-orange, clear	
Loss on Drying (3 h, 105 °C, vacuum)	≤5.0 %	
purity(HPLC)	≤90 area-%	
Thin Layer Chromatogram (50 mg in 5 ml of acetone; toluene/ethanol 1:1; UV 254 nm)	corresponds to reference material	
Sulphated Ash	≤1.0 %	
FTIR	corresponds to reference spectrum	

Storage: 4°C

Caution:

Avoid contact with eyes, skin and clothing.
Wash all areas of contact with copious amounts of water.
See Material Safety Data Sheet for additional information.
For laboratory or further manufacturing use only.
Not intended for household use.

Laboratory Control
