



## CERTIFICATE OF ANALYSIS

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

Test Items	Specifications	Results
Appearance	yellow-orange crystalline powder	
Solution (1 % in ethanol/toluene 1:1)	yellow-orange, clear	
Turbidity (1 % in ethanol/toluene 1:1)	≤2.0 NTU	
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