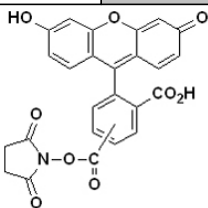


Certificate of Analysis (C of A)			
Name:	5(6)-FAM SE *Mixed isomers* [5(6)-Carboxyfluorescein, succinimidyl ester] [NHS-Fluorescein]		
Catalog Number:	7046	Lot:	50735
CAS Number:	117548-22-8	Formula:	C ₂₅ H ₁₅ NO ₉
Molecular Weight:	473.40 (g/mol)		
	Observed	Standard	
HPLC Purity:	95% at 254 nm	≥ 90% at 254 nm	
Absorption (Buffer pH 10)			
Wavelength (λ _{max}):	495 nm	495 ± 3 nm	
Extinction:	78,600 cm ⁻¹ M ⁻¹	75,000 ± 5,000 cm ⁻¹ M ⁻¹	
Fluorescence (Buffer pH 10)			
Emission Max:	518 nm	519 ± 4 nm	
TLC Purity:	> 98%	≥ 90%	
TLC System:	80:20 Chloroform / Methanol		
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)		
Production Lot:	15280	Release:	19-Oct-2021
		Expiration:	19-Oct-2026
Structure:			

This data reflects the accuracy of the analysis of the subject lot
 For research use only. Not for human use. No animal source.
 This material is chemically synthesized and manufactured in the USA

Approved by: Dianna M Wineinger
 Analytical Services Manager

Date: 19-Oct-2021

Signature: Dianna M. Wineinger