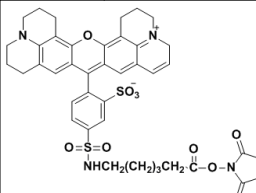


Certificate of Analysis (C of A)								
Name:		SR 101-X, SE *Single Isomer* Sulforhodamine 101-X, Succinimidy ester						
Catalog Number:		7378	Lot:		51943			
CAS Number:		N/A	Formula:		C ₄₁ H ₄₄ N ₄ O ₁₀ S ₂			
Molecular Weight:		816.94 (g/mol)						
		Observed		Standard				
HPLC Purity:		99% at 254 nm		≥ 90% at 254 nm				
Absorption (Methanol)								
Wavelength (λ _{max}):		582 nm		583 ± 3 nm				
Extinction:		118,100 cm ⁻¹ M ⁻¹		112,000 ± 12,000 cm ⁻¹ M ⁻¹				
Fluorescence (Methanol)								
Emission Max:		600 nm		596 ± 4 nm				
TLC Purity:		> 99%		≥ 90%				
TLC System:		80:20 Chloroform/Methanol						
HPLC: Isomer purity		Isomer ratio: >99 single isomer		>90% single isomer				
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)						
Production Lot:		16384	Release:		11-Jan-2021	Expiration:		11-Jan-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: 11-Jan-2021

Signature: 