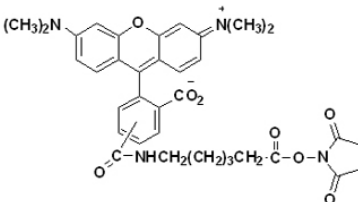


Certificate of Analysis (C of A)			
Name:	5(6)-TAMRA-X, SE 6-(Tetramethylrhodamine-5(6)-carboxamido)hexanoic acid, succinimidyl ester		
Catalog Number:	6236	Lot:	52189
CAS Number:	527687-02-1	Formula:	C ₃₅ H ₃₆ N ₄ O ₈
Molecular Weight:	640.69 (g/mol)		
	Observed	Standard	
HPLC Purity:	96% at 254 nm		≥ 90% at 254 nm
Absorption (Methanol)			
Wavelength (λ _{max}):	544 nm		543 ± 3 nm
Extinction:	92,500 cm ⁻¹ M ⁻¹		95,000 ± 8,000 cm ⁻¹ M ⁻¹
Fluorescence (Methanol)			
Emission Max:	572 nm		571 ± 4 nm
TLC Purity:	> 95%		≥ 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:	16507	Release:	21-Feb-2022
		Expiration:	21-Feb-2027
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: 21-Feb-2022

Signature: 