SETAREH BIOTECH
LITE OF INNOVATION

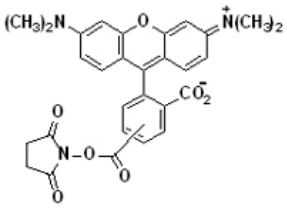
Certificate of Analysis
(C of A)

Name:	**5(6)-TAMRA, SE** **5(6)-Carboxytetramethylrhodamine, succinimidyl ester [NHS-Rhodamine]**		
Catalog Number:	6267	Lot:	51078
CAS Number:	246256-50-8	Formula:	$C_{29}H_{25}N_3O_7$
Molecular Weight:	527.53 (g/mol)		

	Observed	Standard
HPLC Purity:	91% at 254 nm	≥ 90% at 254 nm
Absorption (Methanol)		
Wavelength (λ_{max}):	546 nm	547 ± 3 nm
Extinction:	92,000 $cm^{-1}M^{-1}$	92,000 ± 8,000 $cm^{-1}M^{-1}$
Fluorescence (Methanol)		
Emission Max:	574 nm	576 ± 4 nm
TLC Purity:	> 97%	≥ 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:	14689	Release:	08-Jan-2020	Expiration:	08-Jan-2025

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 **Date:** 08-Jan-2020
Analytical Services Manager

Signature: Dianna M Wineinger

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