

Certificate of Analysis					
Name:	5(6)-TAMRA, SE 5(6)-Carboxytetramethylrhodamine, succinimidyl ester [NHS-Rhodamine]				
Catalog Number:	6267	Lot: 50261			
CAS Number:	246256-50-8	Formula: C <sub>29</sub> H <sub>25</sub> N <sub>3</sub> O <sub>7</sub>			
Molecular Weight:	527.53 (g/mol)				
	Observed		Standard		
HPLC Purity:	91% at 254 nm		≥ 90% at 254 nm		
Absorption (Methanol)					
Wavelength (λ <sub>max</sub> ):	546 nm	547 ± 3 nm			
Extinction:	92,000 cm <sup>-1</sup> M <sup>-1</sup>	92,000 ± 8,000 cm <sup>-1</sup> M <sup>-1</sup>			
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: 146	Release	: 08-Jan-20	20 Ex	piration:	30-Dec-2019
Structure:	$(CH_3)_2N \longrightarrow 0 \qquad \stackrel{\stackrel{\bullet}{\longrightarrow}}{\bigcap} N(CH_3)_2$				

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

Date: 08-Jan-2020

Approved by: Dianna M Wineinger

**Analytical Services Manager** 

Signature: