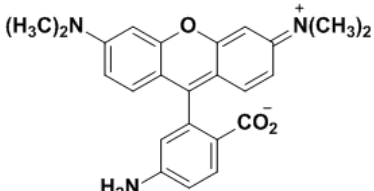


Certificate of Analysis (C of A)			
Name:	6-AminoTAMRA *Single Isomer* 6-Aminotetramethylrhodamine		
Catalog Number:	6240	Lot:	51002
CAS Number:	80724-18-1	Formula:	C ₂₄ H ₂₃ N ₃ O ₃
Molecular Weight:	401.46 (g/mol)		
	Observed	Standard	
HPLC Purity:	99% at 254 nm	≥ 90% at 254 nm	
Absorption (0.2M HCl/MeOH)			
Wavelength (λ _{max}):	549 nm	549 ± 3 nm	
Extinction:	102,000 cm ⁻¹ M ⁻¹	105,000 ± 8,000 cm ⁻¹ M ⁻¹	
Fluorescence (0.2M HCl/MeOH)			
Emission Max:	582 nm	582 ± 4 nm	
TLC Purity:	> 99%	≥ 90%	
TLC System:	85:13:2 Chloroform / Methanol / Ammonium Hydroxide		
HPLC: Isomer purity	Isomer ratio >99:1	>97% single isomer	
Storage:	Refrigerate: Store at 4-8°C (Ref), Protect from moisture (D), Protect from light (L)		
Production Lot:	15229	Release:	16-Nov-2015
		Expiration:	16-Nov-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
 Analytical Services Manager

Date: 16-Nov-2015

Signature: 