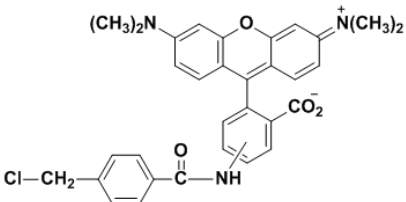


Certificate of Analysis (C of A)			
Name:	CellHunt Orange CMTMR 5-(6)-(((4-Chloromethyl)Benzoyl)Amino)Tetramethylrhodamine		
Catalog Number:	7138	Lot:	50112
CAS Number:	323192-14-9	Formula:	C ₃₂ H ₂₈ ClN ₃ O ₄
Molecular Weight:	554.04 (g/mol)		
	Observed	Standard	
HPLC Purity:	88% at 254 nm	≥ 85% at 254 nm	
Absorption (Methanol)			
Wavelength (λ _{max}):	540 nm	540 ± 3 nm	
Extinction:	100,100 cm ⁻¹ M ⁻¹	100,000 ± 10,000 cm ⁻¹ M ⁻¹	
Fluorescence (Methanol)			
Emission Max:	568 nm	565 ± 4 nm	
TLC Purity:	> 87%	≥ 85%	
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:	14219	Release:	06-Nov-2019 Expiration: 02-Jul-2023
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: 06-Nov-2019

Signature: 