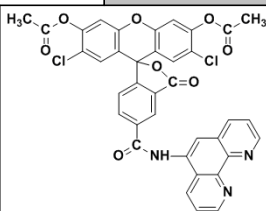


Certificate of Analysis (C of A)					
Name:		PhenanGreen SK, Diacetate			
Catalog Number:		7323	Lot:		51953
CAS Number:		234075-45-7	Formula:		C ₃₇ H ₂₁ Cl ₂ N ₃ O ₈
Molecular Weight:		706.49 (g/mol)			
		Observed	Standard		
HPLC Purity:		91% at 254 nm	≥ 90% at 254 nm		
Absorption (Methanol)					
Wavelength (λ _{max}):		267 nm	266 ± 3 nm		
Extinction:		38,300 cm ⁻¹ M ⁻¹	40,000 ± 3,000 cm ⁻¹ M ⁻¹		
TLC Purity:		> 99%	≥ 90%		
TLC System:		85:13:2 Chloroform / Methanol / Acetic acid			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		16010	Release:	02-Mar-2018	Expiration: 02-Mar-2028
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: 02-Mar-2018

Signature: 