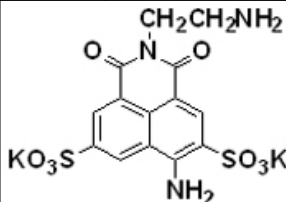


Certificate of Analysis

(C of A)

Name:		LYEDA Lucifer Yellow Ethylenediamine			
Catalog Number:		6968	Lot:		50467
CAS Number:		161578-11-6	Formula:		C ₁₄ H ₁₁ K ₂ N ₃ O ₈ S ₂
Molecular Weight:		491.58 (g/mol)			
		Observed	Standard		
HPLC Purity:		94% at 254 nm	≥ 90% at 254 nm		
Absorption (Water)					
Wavelength (λ _{max}):		425 nm	426 ± 3 nm		
Extinction:		12,800 cm ⁻¹ M ⁻¹	12,000 ± 1,000 cm ⁻¹ M ⁻¹		
TLC Purity:		> 95%	≥ 90%		
TLC System:		80:20 Acetonitrile / Water			
Storage:		Refrigerate: Store at 4-8°C (Ref), Protect from moisture (D), Protect from light (L)			
Production Lot:		14534	Release:	05-Nov-2014	Expiration: 05-Nov-2034
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: 05-Nov-2014

Signature: 