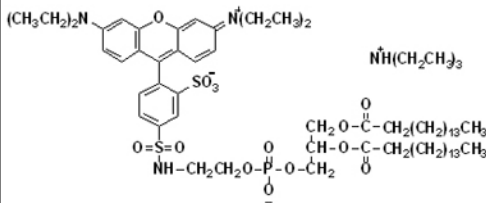


## Certificate of Analysis

(C of A)

Name:		Rhodamine DHPE Rhodamine B 1,2-dihexadecanoyl-sn-glycero-3- phosphoethanolamine, triethylammonium salt						
Catalog Number:		6916	Lot:		50250			
CAS Number:		126111-99-7	Formula:		C <sub>70</sub> H <sub>117</sub> N <sub>4</sub> O <sub>14</sub> PS <sub>2</sub>			
Molecular Weight:		1333.81 (g/mol)						
		Observed		Standard				
Absorption (Methanol)								
Wavelength (λ <sub>max</sub> ):		562 nm		561 ± 3 nm				
Extinction:		119,400 cm <sup>-1</sup> M <sup>-1</sup>		115,000 ± 10,000 cm <sup>-1</sup> M <sup>-1</sup>				
TLC Purity:		> 99%		≥ 95%				
TLC System:		75:20:5 Chloroform/ Methanol/ Acetic acid						
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)						
Production Lot:		14660	Release:		11-Dec-2014	Expiration:		11-Dec-2024
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:** 11-Dec-2014

**Signature:** 