



NemaMetrix

## Certificate of Analysis

(C of A)

Name:	RediStain WormDye Neuro Red*2mg/mL Solution in DMF* 1,1'-Dioctadecyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate				
Catalog Number:	DYE9437	Lot:	51177		
CAS Number:	41085-99-8	Formula:	C <sub>59</sub> H <sub>97</sub> ClN <sub>2</sub> O <sub>4</sub>		
Molecular Weight:	933.88 (g/mol)	Appearance:	Red Solution		
<b>Observed</b>		<b>Standard</b>			
HPLC Purity:	95% at 550 nm	≥ 90% at 550 nm			
<b>Absorption (Methanol)</b>					
Wavelength (λ <sub>max</sub> ):	549 nm	550 ± 3 nm			
Extinction:	144,300 cm <sup>-1</sup> M <sup>-1</sup>	142,000 ± 9,000 cm <sup>-1</sup> M <sup>-1</sup>			
TLC Purity:	> 99%	≥ 90%			
TLC System:	80:20 Chloroform / Methanol				
Storage:	Refrigerate: Store at 4-8°C (Ref), Protect from moisture (D), Protect from light (L)				
Production Lot:	14477	Release:	03-Oct-2014	Expiration:	03-Oct-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: 03-Oct-2014

Signature: Dianna M Wineinger

Date: 16-Jun-2017