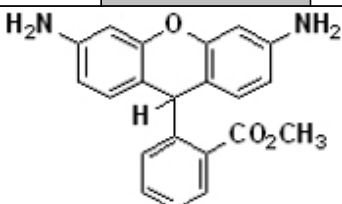


<b>Certificate of Analysis</b> (C of A)					
Name:	<b>DHR 123</b> Dihydrorhodamine 123				
Catalog Number:	6884		Lot:	50235	
CAS Number:	109244-58-8		Formula:	C <sub>21</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>	
Molecular Weight:	346.38 (g/mol)				
	<b>Observed</b>		<b>Standard</b>		
HPLC Purity:	99% at 254 nm		≥ 95% at 254 nm		
<b>Absorption (Methanol)</b>					
Wavelength (λ <sub>max</sub> ):	289 nm		290 ± 3 nm		
Extinction:	7,500 cm <sup>-1</sup> M <sup>-1</sup>		7,200 ± 800 cm <sup>-1</sup> M <sup>-1</sup>		
TLC Purity:	> 98%		≥ 95%		
TLC System:	95:5 Chloroform / Methanol				
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L), Air sensitive (A)				
Production Lot:	14336	Release:	04-Oct-2019	Expiration:	04-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:** 04-Oct-2019

**Signature:** Dianna M Wineinger