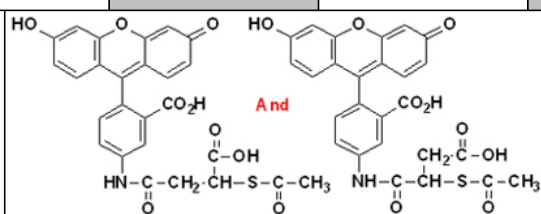


## Certificate of Analysis

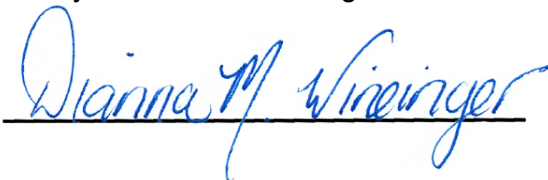
(C of A)

Name:	<b>SAMSA Fluorescein *Mixed isomers*</b> 5-((2-(or-3)-S-(Acetylmercapto)succinoyl)amino)fluorescein		
Catalog Number:	6631	Lot:	50309
CAS Number:	N/A	Formula:	C <sub>26</sub> H <sub>19</sub> NO <sub>9</sub> S
Molecular Weight:	521.50 (g/mol)		
<b>Observed</b> vs <b>Standard</b>			
HPLC Purity:	88% at 254 nm	≥ 85% at 254 nm	
<b>Absorption (Buffer pH 10)</b>			
Wavelength (λ <sub>max</sub> ):	491 nm	493 ± 3 nm	
Extinction:	88,700 cm <sup>-1</sup> M <sup>-1</sup>	84,000 ± 6,000 cm <sup>-1</sup> M <sup>-1</sup>	
<b>Fluorescence (Buffer pH 10)</b>			
Emission Max:	514 nm	518 ± 4 nm	
TLC Purity:	> 95%	≥ 85%	
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:	14754	Release:	03-Feb-2015
		Expiration:	03-Feb-2025
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-Feb-2015

**Signature:** 

**Date:** 02-Dec-2022