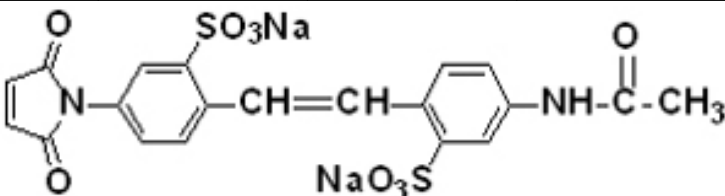


## Certificate of Analysis

(C of A)

Name:		<b>AMS</b> 4-Acetamido-4'-maleimidylstilbene-2,2'-disulfonic acid, disodium salt			
Catalog Number:		6508	Lot:		51937
CAS Number:		175171-43-4	Formula:		C <sub>20</sub> H <sub>14</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>9</sub> S <sub>2</sub>
Molecular Weight:		536.44 (g/mol)			
		<b>Observed</b>		<b>Standard</b>	
HPLC Purity:		89% at 254 nm		≥ 65% at 254 nm	
<b>Absorption (Buffer pH8)</b>					
Wavelength (λ <sub>max</sub> ):		322 nm		323 ± 3 nm	
Extinction:		29,200 cm <sup>-1</sup> M <sup>-1</sup>		31,500 ± 4,500 cm <sup>-1</sup> M <sup>-1</sup>	
TLC Purity:		> 98%		≥ 65%	
TLC System:		45:45:10 Chloroform / Methanol / Acetic acid			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		15919	Release:	01-Nov-2017	Expiration: 01-Nov-2027
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:** 01-Nov-2017

**Signature:** Dianna M Wineinger