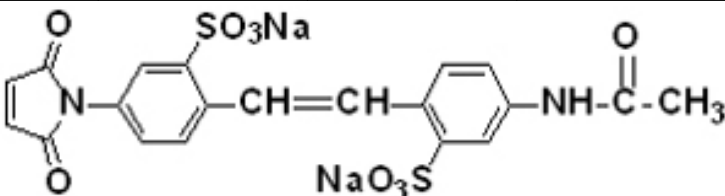


## Certificate of Analysis

(C of A)

Name:		<b>AMS</b> 4-Acetamido-4'-maleimidylstilbene-2,2'-disulfonic acid, disodium salt						
Catalog Number:		6508	Lot:		50216			
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:		93% at 254 nm		≥ 65% at 254 nm				
<b>Absorption (Buffer pH7)</b>								
Wavelength (λ <sub>max</sub> ):		322 nm		323 ± 3 nm				
Extinction:		31,900 cm <sup>-1</sup> M <sup>-1</sup>		31,500 ± 4,500 cm <sup>-1</sup> M <sup>-1</sup>				
TLC Purity:		> 90%		≥ 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:		14291	Release:		20-Jun-2014	Expiration:		20-Jun-2019
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:** 20-Jun-2014

**Signature:** Dianna M Wineinger