



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-214221  
Lot Number: SAMPLE  
Product Name: 4-Amino-1,1'-azobenzene-3,4'-disulfonic acid sodium salt  
CAS Number: 2706-28-7  
Molecular Formula:  $\text{RO}_3\text{SC}_6\text{H}_4\text{N}=\text{NC}_6\text{H}_3(\text{NH}_2)\text{SO}_3\text{R}$ , R = H or Na  
Molecular Weight: 379.34

Test	Specification	Result
Appearance (Color)	Brown to very dark brown and purple to very dark purple and purple-brown and brown-purple and red-brown and very dark red-brown	Very dark purple
Appearance (Form)	Powder	Complies
Identification (ICP)	Consistent with sodium component	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Identification (TLC)	Consistent with control	Complies
Extinction Coefficient (1)		13506 (at approximately 490 nm)
Extinction Coefficient (2)		16567 (at approximately 386 nm)
Wavelength		488 nm (c = 0.01 g/l 0.1 N HCl, absorbance maxima at approximately 490 nm)
Wavelength		386 nm (Absorbance maxima at approximately 386 nm)
Carbon	35.7 - 40.2%	36.5%
Nitrogen	10.4 - 11.7%	10.4%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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