



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-476637  
Lot Number: SAMPLE  
Product Name: Procion Red MX 8B  
CAS Number: 57583-69-4  
Molecular Formula:  $C_{23}H_{11}Cl_2N_6Na_3O_{10}S_3$   
Molecular Weight: 767.44  
Native Source: Synthetic

| Test                               | Specification             | Result                            |
|------------------------------------|---------------------------|-----------------------------------|
| Appearance                         | Dark red to black solid   | Very dark red solid               |
| Identification (NMR)               | Consistent with structure | Complies                          |
| Identification (Mass Spectrometry) | Consistent with structure | Complies                          |
| Purity (TLC)                       |                           | > 80%                             |
| Carbon Content                     | 36.00%                    | 26.88%                            |
| Hydrogen Content                   | 1.44%                     | 1.65%                             |
| Nitrogen Content                   | 10.95%                    | 7.84%                             |
| Water Content                      |                           | ~5.6% based on Elemental Analysis |

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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