



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-209509
Lot Number: SAMPLE
Product Name: 3-[N-(2-Carboxyethyl)methylamino]-7-[N-ethyl(3-sulfonatopropyl)amino]phenoxazin-5-ium Sodium
CAS Number: 343257-52-3
Molecular Formula: $C_{21}H_{24}N_3O_6S \cdot Na$
Molecular Weight: 469.49
Native Source: Synthetic

| Test | Specification | Result |
|------------------------------------|----------------------------------------|-----------------------------------|
| Appearance | Very dark red to very dark brown solid | Very dark brown solid |
| Identification (NMR) | Consistent with structure | Complies |
| Identification (Mass Spectrometry) | Consistent with structure | Complies |
| Purity (TLC) | | 96% |
| Carbon Content | 53.72% | 49.90% |
| Hydrogen Content | 5.15% | 5.39% |
| Nitrogen Content | 8.95% | 8.32% |
| Sodium | | 4.25% by Ion Chromatography |
| Water Content | | ~5.3% 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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