



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-250279  
Lot Number: SAMPLE  
Product Name: Magnesium ionophore VI  
CAS Number: 151058-38-7  
Molecular Formula:  $C_{63}H_{96}N_6O_6$   
Molecular Weight: 1033.47

| Test                         | Specification                            | Result  |
|------------------------------|--|---|
| Appearance                   | White to faint yellow powder or crystals | White crystals                                |
| Detection                    |  | Detection Limit: $2.677 \times 10^{-5}$ mol/l |
| Assay                        | $\geq 95.0\%$ (Quantitative NMR)         | 96.73%  |
| Identification ( $^1H$ -NMR) | Consistent with structure                | Complies                                      |
| Purity (HPLC)                | $\geq 99.0\%$                            | 99.3%   |
| Slope                        |  | 26.39 MV/DECADE                               |
| Nernst Behavior              |  | 0.0347 mol/l - $5.355 \times 10^{-5}$ mol/l   |

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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