



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-218420  
Lot Number: SAMPLE  
Product Name: Ethyl viologen diperchlorate  
CAS Number: 36305-51-8  
Molecular Formula:  $C_{14}H_{18}Cl_2N_2O_8$   
Molecular Weight: 413.21

| Test                               | Specification                                       | Result   |
|------------------------------------|---|--|
| Appearance                         | White to off-white or light yellow powder           | Very faint yellow powder                             |
| Identification (Infrared Spectrum) | Consistent with struture                            | Complies   |
| Purity (TLC)                       | 98%   | 98%  |
| Solubility                         | 2.5% in H <sub>2</sub> O; Clear, colorless solution | 25 mg/ml, H <sub>2</sub> O; Clear colorless solution |
| Carbon Content                     | 39.7% - 41.7%                                       | 40.71%   |
| Hydrogen Content                   |   | 4.39%  |
| Nitrogen Content                   | 6.5% - 7.1%   | 6.75%  |

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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