



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-471273  
Lot Number: SAMPLE  
Product Name: DL-2-Oxo-3-(2-mercaptoethyl)-5-phenylimidazolidine  
CAS Number: 32190-33-3  
Molecular Formula:  $C_{11}H_{14}N_2OS$   
Molecular Weight: 222.31  
Native Source: Synthetic

| Test                               | Result                                                                                 |
|------------------------------------|----------------------------------------------------------------------------------------|
| Appearance                         | Clear Colorless Oil                                                                    |
| Identification (1H-NMR)            | Complies                                                                               |
| Identification (13C-NMR)           | Complies                                                                               |
| Identification (Mass Spectrometry) | Complies                                                                               |
| Purity (TLC)                       | 98%                                                                                    |
| Atmosphere                         | Inert Gas                                                                              |
| Elemental Analysis                 | (Found) %C: 58.49, %H: 6.42, %N: 12.21;<br>(Calculated) %C: 59.43, %H: 6.35, %N: 12.60 |
| Solubility                         | Chloroform (Slightly), Methanol (Slightly)                                             |
| Dichloromethane                    | 1.1%                                                                                   |

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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