



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-489233  
Lot Number: SAMPLE  
Product Name: S-(4-Nitrophenyl)-L-cysteine  
CAS Number: 55288-30-7  
Molecular Formula:  $C_9H_{10}N_2O_4S$   
Molecular Weight: 242.25

| Test                                  | Specification                                      | Result                                         |
|---------------------------------------|----------------------------------------------------|------------------------------------------------|
| Appearance                            | Light yellow to yellow to orange powder to crystal | Yellow needles                                 |
| Purity (Nonaqueous Titration)         | $\geq 98.0\%$                                      | 100.3%                                         |
| Solubility                            | Very faint turbidity solution at 1 mol/L In HCl    | Almost transparency solution at 1 mol/L in HCl |
| Specific Rotation ( $\alpha_{20/D}$ ) | +55.0 - +60.0° (C = 1.25, 1 mol/L HCl)             | +58.5°                                         |

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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