



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-208462  
Lot Number: SAMPLE  
Product Name: trans-4-Hydroxy-L-proline  
CAS Number: 51-35-4  
Molecular Formula:  $C_5H_9NO_3$   
Molecular Weight: 131.13

| Test                                  | Specification                       | Result        |
|---------------------------------------|-------------------------------------|---------------|
| Appearance                            | White crystal or crystalline powder | Complies      |
| Assay (Titration)                     | 98.5-101.0%                         | 99.2%         |
| Residue on Ignition                   | $\leq 0.1\%$                        | 0.04%         |
| Specific Rotation ( $\alpha_{20/D}$ ) | $-74^\circ$ to $-77^\circ$          | $-75.1^\circ$ |
| Transmittance                         | $\geq 95\%$                         | 99.4%         |
| Heavy Metals (Pb)                     | $\leq 10$ ppm                       | Complies      |
| Loss on Drying                        | $\leq 0.2\%$                        | 0.15%         |
| Ammonium                              | $\leq 0.02\%$                       | Complies      |
| Arsenic                               | $\leq 1$ ppm                        | Complies      |
| Chloride                              | $\leq 0.02\%$                       | Complies      |
| Iron                                  | $\leq 10$ ppm                       | Complies      |
| Sulfate                               | $\leq 0.02\%$                       | Complies      |

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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