



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-258101
Lot Number: SAMPLE
Product Name: (S)-(-)-1-Z-2-Oxo-5-imidazolidinecarboxylic acid
CAS Number: 59760-01-9
Molecular Formula: $C_{12}H_{12}N_2O_5$
Molecular Weight: 264.23

Test	Specification	Result
Appearance	White to Light Yellow Powder or Crystals	White Powder
Identification (Infrared Spectrum)	Conforms to Structure	Complies
TLC	Consistent with 98 % purity	Consistent with 98 % purity
Solubility	25 mg/mL , methanol; clear, colorless to pale yellow solution	25 mg/mL , methanol; clear, very faint yellow solution
Optical Rotation	- 62 \pm -4 $^{\circ}$ (c = 2.5 %, methanol)	- 60.2 $^{\circ}$ (c = 2.5 %, methanol)
Carbon	53.2 % - 55.9 %	54.22 %
Nitrogen	10.3 % - 10.9 %	10.55 %

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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