

## **CERTIFICATE OF ANALYSIS**

The Power to Question

Catalog Number: sc-250953
Lot Number: SAMPLE

Product Name: (S)-3-Isopropyl-2,5-piperazinedione

 $\begin{array}{lll} \text{CAS Number:} & 16944\text{-}60\text{-}8 \\ \text{Molecular Formula:} & \text{$C_7$H}_{12}\text{N}_2\text{O}_2 \\ \text{Molecular Weight:} & 156.18 \\ \end{array}$ 

Test	Specification	Result
Appearance	Colorless or white powder	White powder
Enantiomeric Content		99.5 : 0.5 (ratio, HPLC)
Identification (1H-NMR)	Consistent with structure	Complies
Purity (HPLC)	≥ 99.0%	99.2%
Concentration	c =1 in water	Complies
Melting Point	256 - 262 °C	259 °C
Specific Rotation (α20/D)	+29 ± 2°	+27.7°
Carbon Content	53.83%	53.76%
Hydrogen Content	7.74%	7.71%
Nitrogen Content	17.94%	17.85%

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.