



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-215856  
Lot Number: SAMPLE  
Product Name: (-)-Sinigrin hydrate  
CAS Number: 3952-98-5  
Molecular Formula:  $C_{10}H_{16}NO_9S_2 \cdot K \cdot xH_2O$   
Molecular Weight: 397.46 (anhydrous basis)

Test	Specification	Result
Appearance (Color)	White to faint beige	Off-white
Appearance (Form)	Powder or crystals	Powder
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Purity (TLC)	$\geq 99.0\%$	99.4%
Specific Rotation ( $\alpha_{20/D}$ )	$-17.0^\circ \pm 1.0^\circ$	$-17.3^\circ$
Carbon Content	28.91% (theory)	28.96%
Nitrogen Content	3.37% (theory)	3.36%
Potassium (ICP)	8.4 - 10.8%	9.7%

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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