



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-252283  
Lot Number: SAMPLE  
Product Name: (5R)-(+)-2,2,3-Trimethyl-5-benzyl-4-imidazolidinone monohydrochloride  
CAS Number: 323196-43-6  
Molecular Formula:  $C_{13}H_{19}ClN_2O$   
Molecular Weight: 254.76

| Test                               | Specification                   | Result       |
|------------------------------------|---------------------------------|--------------|
| Appearance                         | White to tan powder or crystals | White powder |
| Identification (Infrared Spectrum) | Consistent with structure       | Complies     |
| Purity (GC)                        | $\geq 96.5\%$                   | 98.9%        |
| Purity (Silver Nitrate Titration)  | 96.5 - 103.5%                   | 96.6%        |
| Optical Rotation                   | 64.0 - 70.0° (c = 1%, water)    | 68.3°        |

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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