

## Certificate of Analysis

Date of Testing: 2024-05-28 10:04:16  
Date of Next Testing: 2028-05-27 10:04:16  
Product Name: **(2S,5S)-(-)-2-tert-Butyl-3-methyl-5-benzyl-4-imidazolidinone**  
CAS Number: 346440-54-8  
Specifications & Purity: >97.0%(GC)  
Lot #: E2421431  
SKU #: **S161185**  
Version: **1**  
Analysis #: **338053**

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.99%
Melting point	97-101 (°C)	100.40000 °C
specific rotation $[\alpha]_{20/D}(C=1, \text{MeOH})$	-63--58 (°)	-60.64000 °
Appearance(S161185)	White to Light yellow powder to crystal	White to Light yellow powder to crystal
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager