

## Certificate of Analysis

Date of Testing: 2024-05-24 16:27:31  
Date of Next Testing: 2026-05-24 16:27:31  
Product Name: **1,3-Di-tert-butylimidazol-2-ylidene**  
CAS Number: 157197-53-0  
Specifications & Purity:  $\geq 98.0\%$   
Lot #: E2421443  
SKU #: **D138310**  
Version: **0**  
Analysis #: **337780**

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.80 %
Appearance (D138310)	white to pale red yellow powder or crystals	white to pale red yellow powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager