

## Certificate of Analysis

Date of Testing: 2022-11-28 14:45:10  
Date of Next Testing: 2026-11-27 14:45:10  
Product Name: **Bisoprolol hemifumarate salt**  
CAS Number: 104344-23-2  
Specifications & Purity:  $\geq 98\%$  (HPLC)  
Lot #: K2222157  
SKU #: **B124795**  
Analysis: **143063**

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.65 %
Purity(HPLC)	98-100 (%)	98.01000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager