

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-02 14:00:27  
Date of Next Testing: 2027-02-01 14:00:27  
Product Name: **Bisoprolol hemifumarate salt**  
CAS Number: 104344-23-2  
Specifications & Purity:  $\geq 98\%$  (HPLC)  
Lot #: A2331190  
SKU #: **B124795**  
Analysis: **182456**

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



John Su  
QA & QC Manager