

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-10 13:10:25

Date of Next Testing: 2026-04-09 13:10:25

Product Name: **Esmolol hydrochloride**

CAS Number: 81161-17-3

Specifications & Purity: $\geq 99\%$

Lot #: D2306324

SKU #: **E304708**

Version: **1**

Analysis #: **197482**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.63900 %
Assay(Titration by AgNO ₃)	98.5-102.5 (%)	102.49000 %
Appearance(E304708)	White to off-white powder or chunk	White to off-white powder or chunks
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager