

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-12 09:58:09
 Date of Next Testing: 2027-08-12 09:58:09
 Product Name: **Esmolol hydrochloride**
 CAS Number: 81161-17-3
 Specifications & Purity: $\geq 99\%$
 Lot #: J2122502
 SKU #: **E304708**
 Version: **1**
 Analysis #: **397821**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.09000 %
Assay(Titration by AgNO ₃)	98.5-102.5 (%)	102.40000 %
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