

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-14 13:37:31  
Date of Next Testing: 2027-03-13 13:37:31  
Product Name: **Minodronate Monohydrate**  
CAS Number: 155648-60-5  
Specifications & Purity: 99%  
Lot #: C2306347  
SKU #: **M158694**  
**Analysis: 166872**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water(Vaporization method)	4.5-6 (%)	5.23 %
Purity(HPLC)	99-100 (%)	99.74100 %
Appearance(M158694)	White to Light yellow to Light red powder to crystal	White to Light yellow to Light red powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager