

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-12 10:57:17
 Date of Next Testing: 2028-05-11 10:57:17
 Product Name: **Ampicillin trihydrate**
 CAS Number: 7177-48-2
 Specifications & Purity: Moligand™, ≥99%(HPLC)(dry basis)
 Lot #: E2506265
 SKU #: **A433388**
 Version: **3**
 Analysis #: **512004**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	12-15 (%)	13.45570 %
Purity(HPLC)(dry basis)	99-100 (%)	100.00000 %
Related Substances Total impurity	0-3 (%)	2.00000 %
Specific Rotation [α] _{20/D} (c=0.5 in H ₂ O) (calcd.on anh.substance)	280-305 (°)	280.23000 °
Appearance(A433388)	White to Off White to Orange to Green powder to crystal	White to off white to Orange to Green powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager