

Certificate of Analysis

Date of Testing: 2024-11-30 11:38:07
Date of Next Testing: 2028-11-29 11:38:07
Product Name: **Ampicillin trihydrate**
CAS Number: 7177-48-2
Specifications & Purity: $\geq 96\%$
Lot #: K2429041
SKU #: **A102048**
Version: **1**
Analysis #: **429448**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity	96-100.5 (%)	100.00 %
Water by Karl Fischer	12-15 (%)	12.94 %
Specific Rotation [α] ₂₀ /D(c=0.5 in H ₂ O)	280-305 (°)	280.10 °
Appearance (A102048)	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