

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-04 11:48:56  
Date of Next Testing: 2028-07-03 11:48:56  
Product Name: **5-Aminolevulinic acid hydrochloride**  
CAS Number: 5451-09-2  
Specifications & Purity: 99%  
Lot #: F2424014  
SKU #: **A107209**  
Version: **0**  
Analysis #: **365668**  
Storage Temperature: Protected from light,Store at -20°C,Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	98.60%
Water by Karl Fischer	0-1 (%)	0.19%
Purity(HPLC)	98-100 (%)	99.37200%
Appearance (A107209)	White to Yellow Powder	White to Yellow Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Yellow,Clear to Slightly Hazy(50mg/ml pass		Pass



John Su  
QA & QC Manager