

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-02 12:29:59  
Date of Next Testing: 2027-02-01 12:29:59  
Product Name: **5-Aminolevulinic acid hydrochloride**  
CAS Number: 5451-09-2  
Specifications & Purity:  $\geq 99\%$   
Lot #: A2330392  
SKU #: **A107209**  
Version: **0**  
Analysis #: **173206**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	99.96 %
Water by Karl Fischer	0-1 (%)	0.13 %
Purity(HPLC)	98-100 (%)	98.28700 %
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