

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-02 12:38:30
Date of Next Testing: 2027-02-01 12:38:30
Product Name: **5-Aminolevulinic acid hydrochloride**
CAS Number: 5451-09-2
Specifications & Purity: $\geq 99\%$
Lot #: A2330390
SKU #: **A107209**
Version: **0**
Analysis #: **173206**
Storage Temperature: Protected from light, Store at -20°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 ₂ O , Colorless to Yellow, Clear to Slightly Hazy(50mg/ml pass		Pass



John Su
QA & QC Manager