

Certificate of Analysis

Date of Testing: 2025-05-19 14:51:47
Date of Next Testing: 2029-05-18 14:51:47
Product Name: **Alloxan monohydrate**
CAS Number: 2244-11-3
Specifications & Purity: $\geq 98\%$
Lot #: H2109096
SKU #: **A109024**
Version: **2**
Analysis #: **510591**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.70000 %
Nitrogen by Elemental Analysis	17.1-17.9 (%)	17.60 %
Carbon by Elemental Analysis	29.3-30.7 (%)	29.60 %
Water by Karl Fischer	$\leq 12.5(\%)$	11.20 %
Appearance (A109024)	White to Yellow to Beige Powder or Crystals	White to Yellow to Beige Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , colorless to faint yellow clear to hazy, 50mg/ml	pass	Pass



John Su
QA & QC Manager