

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-14 11:00:55
 Date of Next Testing: 2026-05-13 11:00:55
 Product Name: **4-Isoquinolinecarboxaldehyde**
 CAS Number: 22960-16-3
 Specifications & Purity: $\geq 97\%$
 Lot #: G1414060
 SKU #: **I123206**
 Version: **0**
 Analysis #: **089224**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.46700 %
Nitrogen by Elemental Analysis	8.6-9.2 (%)	8.70000 %
Carbon by Elemental Analysis	73.7-79.1 (%)	75.60000 %
Appearance (I123206)	White to Yellow to Brown Powder,crystals or Chunks	White to Yellow to Brown Powder,crystals or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager