

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-14 15:32:04

Date of Next Testing: 2024-12-13 15:32:04

Product Name: **Orotic acid**

CAS Number: 65-86-1

Specifications & Purity: >98.0%

Lot #: C2110012

SKU #: **O137322****Analysis: 168196**

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98-102 (%)	98.15 %
Purity(HPLC)	98-100 (%)	98.08900 %
Water by Karl Fischer	0-3 (%)	1.30 %
Appearance (O137322)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M NaOH , Colorless to Faint Yellow, Clear to Hazy, 50 mg/ml	pass	Pass

John Su
QA & QC Manager