

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-19 13:13:58
 Date of Next Testing: 2025-12-18 13:13:58
 Product Name: **Orotic acid**
 CAS Number: 65-86-1
 Specifications & Purity: Moligand™, ≥98%
 Lot #: J2409003
 SKU #: **O137322**
 Version: **0**
 Analysis #: **306146**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98-102 (%)	99.20000 %
Purity(HPLC)	98-100 (%)	99.02510 %
Water by Karl Fischer	0-3 (%)	1.05400 %
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