

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-05-20 13:25:51  
Date of Next Testing: 2026-05-20 13:25:51  
Product Name: **Ketoconazole**  
CAS Number: 65277-42-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: G2227270  
SKU #: **K129737**  
Version: **0**  
Analysis #: **359864**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	10.2-10.8 (%)	10.48 %
Melting point	148-152 (°C)	150.50000 °C
Purity(HPLC)	98-100 (%)	99.51600 %
Carbon by Elemental Analysis	57.6-59.9 (%)	58.38 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in MeOH})$	-1-1 (°)	-0.22 °
Solvent Content (by GC)	0-2 (%)	0.17 %
Appearance (K129737)	White to light brown crystalline powder	White to light brown crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH , Faint Yellow to Yellow Clear,50 mg/ml	pass	Pass



John Su  
QA & QC Manager