

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-02 09:35:22
Date of Next Testing: 2026-08-02 09:35:22
Product Name: **Ketoconazole**
CAS Number: 65277-42-1
Specifications & Purity: $\geq 98\%$
Lot #: G2425488
SKU #: **K129737**
Version: **0**
Analysis #: **335753**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	10.2-10.8 (%)	10.50 %
Purity(HPLC)	98-100 (%)	99.72800 %
Carbon by Elemental Analysis	57.6-59.9 (%)	58.62 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in MeOH})$	-1-1 (°)	0.00 °
Melting point	148-152 (°C)	148.70000 °C
Solvent Content (by GC)	0-2 (%)	0.50 %
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