

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-20 14:52:06

Date of Next Testing: 2025-07-19 14:52:06

Product Name: **Ketoconazole**

CAS Number: 65277-42-1

Specifications & Purity: $\geq 98\%$

Lot #: G2311055

SKU #: **K129737****Analysis: 099856**

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 (%)	99.51800%
Carbon by Elemental Analysis	57.6-59.9 (%)	58.40%
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in MeOH})$	-1-1 (°)	-0.23°
Solvent Content (by GC)	0-2 (%)	0.19%
Melting point	148-152 (°C)	150.52000 °C
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