

Certificate of Analysis

Date of Testing: 2023-09-15 11:41:23

Date of Next Testing: 2025-09-14 11:41:23

Product Name: **Ketoconazole**

CAS Number: 65277-42-1

Specifications & Purity: $\geq 98\%$

Lot #: I2311025

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