

Certificate of Analysis

Date of Testing: 2023-11-03 17:06:54
Date of Next Testing: 2027-11-02 17:06:54
Product Name: **Ergocalciferol (D2)**
CAS Number: 50-14-6
Specifications & Purity: 98%
Lot #: K2301076
SKU #: **E106318**
Analysis: **077066**
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Specific abs. A (1%/1cm)	460-490	472.60
Melting point	112-116 (°C)	112.75000 °C
ergosterol	0-0.2 (%)	0.02 %
Specific Rotation [α] ₂₅ /D(c=1.5 in EtOH)	100-109 (°)	105.19 °
Purity(HPLC)	98-100 (%)	98.36000 %
Appearance (E106318)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Potency (40000 I.U./mg)	pass	Pass



John Su
QA & QC Manager