

## Certificate of Analysis

Date of Testing: 2022-03-21 17:18:41  
Date of Next Testing: 2026-03-20 17:18:41  
Product Name: **Ergocalciferol (D2)**  
CAS Number: 50-14-6  
Specifications & Purity: 98%  
Lot #: C2210517  
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] <sub>25</sub> /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