

## Certificate of Analysis

Date of Testing: 2023-01-14 15:43:44  
Date of Next Testing: 2027-01-13 15:43:44  
Product Name: **Vitamin D3**  
CAS Number: 67-97-0  
Specifications & Purity: 98%  
Lot #: A2304595  
SKU #: **C105354**  
**Analysis:** **160114**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Absorbance(10mg/L, EtOH, 263.0 to 267.0 nm)	0.45-0.51	0.47
Specific Rotation [α] <sub>20</sub> /D(c=0.5 in EtOH)	103-112 (°)	103.87°
Carbon by Elemental Analysis	82.6-86 (%)	84.20%
Purity(HPLC)	98-100 (%)	98.01000%
Appearance (C105354)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless to Pale Yellow Clear(50 mg/ml)	pass	Pass



John Su  
QA & QC Manager