

## Certificate of Analysis

Date of Testing: 2024-09-20 16:20:51  
Date of Next Testing: 2028-09-19 16:20:51  
Product Name: **Vitamin D3**  
CAS Number: 67-97-0  
Specifications & Purity:  $\geq 98\%$   
Lot #: I2407067  
SKU #: **C105354**  
Version: **1**  
Analysis #: **404089**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=0.5 \text{ in EtOH})}$	103-112 ( $^{\circ}$ )	105.40 $^{\circ}$
Carbon by Elemental Analysis	82.6-86 (%)	84.18%
Purity(HPLC)	98-100 (%)	99.64500%
Absorbance(10mg/L,EtOH,263.0 to 267.0 nm)	0.45-0.51	0.51
Appearance (C105354)	White to Off-White Powder	White to Off-White Powder
Solubility in EtOH , Colorless to Pale Yellow Clear(50 mg/ml)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager