

Certificate of Analysis

Date of Testing: 2024-09-20 16:52:00
Date of Next Testing: 2028-09-19 16:52:00
Product Name: **Vitamin D3**
CAS Number: 67-97-0
Specifications & Purity: $\geq 98\%$
Lot #: I2407094
SKU #: **C105354**
Version: **1**
Analysis #: **404089**
Storage Temperature: Store at -20°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



John Su
QA & QC Manager