

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Vitamin D2**
 Specifications & Purity: PharmPure™, USP, ChP, BP, Ph.Eur., crystalline
 SKU # **GMP1505163**

Parameter	Limit Values
Appearance(GMP1505163)	white or slightly yellowish, crystalline powder or white or almost white crystals
Solubility : practically insoluble in water, freely soluble in ethanol (96 per cent) and in methanol, soluble in fatty oils	Pass
Infrared Absorption	Complies
Identify	Pass
Ergosterol	Pass
Identity(color test)	passes test
Assay(HPLC)	97-102 (%)
Specific Rotation [α] ₂₅ /D(c=1.5 in alcohol)	103-106 (°)
Specific Rotation [α] ₂₀ /D(c=0.8 in alcohol)	103-107 (°)
Specific Rotation [α] ₂₀ /D(c=4 in alcohol)	102.5-107.5 (°)
Extinction Coefficient(1%/1cm)(265nm)	460-490
UV Absorbance at 265 nm	0-3 (%)
Melting range	115-119 (°C)
Reducing substances	≤20 (ppm)
Reducing substances	Conforms
Other individual impurities	0-0.5 (%)
Total impurities	0-1 (%)
impurity B	≤0.2 (%)
impurity G	≤1.5 (%)
impurity A	0-0.5 (%)
impurity F	≤0.5 (%)
Unspecified impurities(each impurity)	≤0.1 (%)
IR Wavelength range(2-12μm)(USP)	Pass