

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Vitamin D3**
Specifications & Purity: PharmPure™,USP,ChP,BP,Ph.Eur.,crystalline
SKU # **GMP1505159**

Parameter	Limit Values
Appearance(GMP1505159)	white or almost white crystalline powder
Solubility: practically insoluble in water, freely soluble in ethanol (96 per cent), soluble in trimethylpentane and in fatty oils	Pass
Infrared Absorption	Complies
Identity(HPLC)	Passes test
Color test (APHA)	pass
Assay(HPLC)	97-102 (%)
Extinction Coefficient(1%/1cm)(265nm)	465-495
Specific Rotation $[\alpha]_{25}^D(c=0.5 \text{ in alcohol})$	105-112 (°)
UV Absorbance at 265 nm	0-3 (%)
impurity A	0-0.1 (%)
Unspecified impurit	0-0.1 (%)
7-Dehydrocholesterol	0-0.5 (%)
Other individual related compound	0-0.1 (%)
Total impurities	0-1 (%)
IR Wavelength range(2-12 μ m)(USP)	Pass