



Certificate of Analysis

Product Name:	Vitamin D ₃ (Cholecalciferol)	Batch Number:	Varies
CAS No.	67-97-0	Manufacture Date:	Varies
Molecular Formula:	C ₂₇ H ₄₄ O	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Cholecalciferol (HPLC)		≥ 100 000 IU/g	100 005.11 - 111,000 IU/g
Physical	Appearance	White to light yellow powder, no foreign objects visible, no foreign matter; odorless	Complies
	Identification	The retention time of the principal peak conforms to which in the reference solution	Complies
	Particle size	100% pass 40 mesh ≥ 90% pass 80 mesh	Complies
	Loss on drying	≤ 5%	3.9 - 4.7%
Chemical	Heavy metals	≤ 10 ppm	Complies
	Lead (Pb)	≤ 2 ppm	Complies
	Arsenic (As)	≤ 2 ppm	Complies
	Cadmium (Cd)	≤ 1 ppm	Complies
	Mercury (Hg)	≤ 0.1 ppm	Complies
Microbial	Enterobacterial	≤ 10 cfu/g	Complies
	Total plate count	≤ 1000 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	Coliforms	Negative	Complies
	E.coli, Salmonella, Staphylococcus, Pseudomonas	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

