



**Jiaxing Tian He Cheng Bio-Technology Co., Ltd.**

## Specification Sheet

Product Name	Vitamin D <sub>3</sub> Powder	Specification	THC-VD01A (100 CWS)
Test Standard	USP/EP	Shelf Life	24 Months
Packing size	25kg/drum	/	/
Items	Specifications	Methods	
Description	White to light yellow powder, no foreign matter and no odor.	Visual	
Identification	The retention time of the principal peak conforms to which in the reference solution	HPLC	
Particle Size	100% pass through sieve 40 mesh 90% pass through sieve 80 mesh	USP<786> Ph.Eur.2.9.12	
Vitamin D <sub>3</sub> Assay	≥100,000iu/g	HPLC	
Loss on drying	≤5.0%	USP<731> Ph.Eur.2.2.32	
Heavy Metals (as Pb)	≤10.00ppm	USP<231> II Ph.Eur.2.4.8	
Arsenic (as As)	≤2.00ppm	USP<211> II Ph.Eur.2.4.2	
Mercury	≤0.10ppm	USP	
Cadmium	≤1.00ppm	USP	
Total aerobic microbial count	≤1000cfu/g	USP<2021> Ph.Eur.2.6.12	
Total moulds and yeasts count	≤100cfu/g		
Enterobacterial	≤10cfu/g	USP<2021> Ph.Eur.2.6.13	
*Salmonella	n.d./25g	USP<2022>	
*Escherichia coil	n.d./10g	Ph.Eur.2.6.13	
*Staphylococcus aureus	n.d./10g		
Conclusion: Conform to USP/EP			
Remarks: 1.* Analyzed as per six batches, not less than once per year. 2. Store at the temperature below 25°C.			

Analyst:

QC Manager:

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