



JHD CORP

Email: info@jhdcorp.com

Website: www.jhdcorp.com

Office&Warehouse(USA): 2077 S Vineyard Ave, Ontario, CA 91761

Office&Warehouse(USA): 35 E Park Dr, Westampton, NJ, 08060

Office(China): Room 1307, Shenglang International, Xi'an, Shaanxi

Manufacturer(China): Hongda Industrial District, Xianyang, Shaanxi

Office&Warehouse(Netherlands): Piet Stuurmanweg 7, 2742 JX Waddinxveen

## Certificate of Analysis

### Vitamin D<sub>3</sub> Powder

<b>Batch No.</b>	20251118	<b>Manufacturing Date</b>	November 18, 2025
<b>Batch Quantity</b>	20KG	<b>Expiration Date</b>	November 17, 2028
<b>Test Standard</b>	USP/EP	<b>Country of Origin</b>	China
<b>Items</b>	<b>Specification</b>	<b>Result</b>	<b>Method</b>
Vitamin D <sub>3</sub> (Cholecalciferol)	NLT 100,000IU/g	119,000IU/g	HPLC    USP<621>
Identification	The retention time of the principal peak conforms to which in the reference solution	Conform	HPLC    USP<621>
<b>Physical Characteristics</b>			
Appearance	White to light yellow Powder, no foreign objects visible, no foreign matter and no odor	Conform	Organoleptic
Solubility	100% Cold Water Soluble (CWS)	Conform	Organoleptic
Particle Size	100% Through 40 mesh	Conform	USP <786>/Ph. Eur. 2.9.12
	NLT 90% Through 60 mesh	Conform	
Loss on Drying	NLT 45% Through 100 mesh	Conform	USP <731>/Ph. Eur. 2.2.32
	NMT 5.00%	4.00%	
<b>Chemical Characteristics</b>			
Heavy Metals(as Pb)	NMT 10.0ppm	Conform	USP <231> Method II / Ph. Eur. 2.4.8
Arsenic (As)	NMT 0.5ppm	<0.5ppm	USP <211> Method II / Ph. Eur. 2.4.2
Lead (Pb)	NMT 0.5ppm	<0.5ppm	USP <251> / Ph. Eur. 2.4.10
Cadmium(Cd)	NMT 0.1ppm	<0.1ppm	ICP-MS    USP <233>
Mercury(Hg)	NMT 0.1ppm	<0.1ppm	ICP-MS    USP <233>
<b>Microbiological Characteristics</b>			
Total Plate Count	NMT 5,000cfu/g	<100cfu/g	USP <2021> / Ph. Eur. 2.6.12
Total Yeast & Mold	NMT 500cfu/g	<10cfu/g	USP <2021> / Ph. Eur. 2.6.12
Enterbacterial	NMT 10cfu/g	<10cfu/g	USP <2021> / Ph. Eur. 2.6.13
Escherichia coil	Not Detected in(g) 10	Not Detected	USP <2022> / Ph. Eur. 2.6.13
Salmonella	Not Detected in(g) 25	Not Detected	USP <2022> / Ph. Eur. 2.6.13
Staphylococcus aureus	Not Detected in(g) 10	Not Detected	USP <2022> / Ph. Eur. 2.6.13

#### Packing and Storage

Store in tight, light-resistant containers and keep in a cool(below 25°C), dry and well-ventilated place. Keep always from strong direct light sunlight, moisture and excessive heat.

Tested by: *Tracy Cui*

Date: November 27, 2025

Approved by: *Jack Jora*

Date: November 27, 2025

Tel: +1-626-709-5642

Web: www.jhdcorp.com

E-mail: info@jhdcorp.com