



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Vegan Vitamin D₃ 100 CWD

Manufacturing Date: Feb 16th, 2023

Quantity: 224.20kg

Standard: USP

Batch No.: HDC20230216

Retest Date: Feb 15th, 2025

Packing: 25kg/Carton

Report Date: Feb 19th, 2023

Test Items	Specifications	Test Results
Original Source	Plant Source	Conforms
Appearance	Off-white to yellowish, free-flowing beadlets or powder	Conforms
Identification	Positive	Conforms
Particle Size	≥90% pass through 40 mesh sieve	99.2%
	≤15% pass through 100 mesh sieve	2%
Loss on Drying	≤5.0%	4.6%
Assay	≥100,000 IU/g	112,000IU/g
Bulk Density	0.4 g/mL ~ 0.7 g/mL	0.5 g/mL
Heavy Metals	≤10 ppm	< 10 ppm
Lead(Pb)	≤3.0 ppm	<0.05 ppm
Arsenic(As)	≤0.3 ppm	<0.01 ppm
Cadmium(Cd)	≤1.0 ppm	< 1.0 ppm
Mercury(Hg)	≤0.1 ppm	<0.1 ppm
Total Plate Count	≤1000 CFU/g	< 10 CFU/g
Yeasts & Moulds	≤100 CFU/g	< 10 CFU/g
Staphylococcus aureus	Negative/g	Conforms
E. coli	Negative/g	Conforms
Salmonella	Negative/25g	Conforms

Conclusion: The testing results of this batch are complied with USP monographs.