



XINCHANG NHU VITAMINS COMPANY LTD.

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Certificate of Analysis

Date: Aug.01,2025

Product Name	:	Vitamin D ₃ 100 CWS/A
Brand	:	NHU™ / COVITAS™
Product Code	:	SP03-04
Batch No.	:	022506C033
Total Quantity	:	600KGS
Manufacture Date	:	Jun.18,2025
Certificate Date	:	Jun.24,2025
Expiration Date	:	Jun.17,2027

Results of Analysis

Items	Standards	Results
Appearance	White to yellowish-white free-flowing microcapsule	Qualified
Identification	A. Infrared spectroscopy B. Ultraviolet-Visible spectroscopy. C. The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay.	Qualified
Assay	≥100,000 IU/g	108,000 IU/g
Loss on Drying	≤5.0%	3.4%
Solubility	Dispersible in cool water forming a milky emulsion	Qualified
Sieve Analysis	100% Through Sieve No.20 (US)	100%
	≥90% Through Sieve No.40 (US)	96.0%
	≤15% Through Sieve No.100 (US)	0.5%
*Heavy Metal	≤10mg/kg	<10mg/kg
*Arsenic	≤1.0mg/kg	<1.0mg/kg
*Pb	≤0.5mg/kg	<0.5mg/kg
*Cd	≤0.5mg/kg	<0.5mg/kg
Microbiological Spec.		
Total Plate Count	≤1000CFU/g	25CFU/g
Mould & Yeast	≤100CFU/g	5CFU/g
Coliforms	≤10CFU/g	<10CFU/g
Salmonella	Negative (In 25g)	Negative

*- Test once every six months.

Conclusion:Conform to the standard USP-NF 2022.

Reporter:徐嘉英

Reviewer: 商亭樑

Approver:

QC Manager: Weiqi Wei

