



XINCHANG NHU VITAMINS COMPANY LTD.

No.8 Binjiang South Road, Yulin Street, Xinchang County, Zhejiang Province, China
Tel:(086-575) 86066811 [Http://www.cnhu.com](http://www.cnhu.com)

Certificate of Analysis

Date: Apr.23,2024

Product Name	:	Vitamin A Acetate 500 SD CWS/A
Brand	:	NHU™ / COVITAS™
Product Code	:	SP01-12
Batch No.	:	022403B012
Quantity	:	1,000KGS
Manufacture Date	:	Mar.19,2024
Certificate Date	:	Mar.26,2024
Expiry Date	:	Mar.18,2026
Carrier	:	Gum Arabic
Invoice No.	:	249162

Results of Analysis

Items	Standards	Results
Identification	A: Color reaction with antimony III B: Thin-Layer chromatography	Qualified
Appearance	Light yellow free-flowing powder	Qualified
Assay	$\geq 500,000$ IU/g	543,000 IU/g
Loss on Drying	$\leq 5.0\%$	3.8%
Absorbance ratio	≥ 0.85	Qualified
Solubility	Dispersible in cool water forming a milky emulsion	Qualified
Sieve Analysis	100% Through Sieve No.40 (US)	100%
	$\geq 90\%$ Through Sieve No.60 (US)	96.0%
	$\geq 45\%$ Through Sieve No.100 (US)	67.4%
*Heavy Metal	$\leq 10\text{mg/kg}$	$< 10\text{mg/kg}$
*Arsenic	$\leq 1.0\text{mg/kg}$	$< 1.0\text{mg/kg}$
*Pb	$\leq 0.5\text{mg/kg}$	$< 0.5\text{mg/kg}$
*Cd	$\leq 0.5\text{mg/kg}$	$< 0.5\text{mg/kg}$
Microbiological Spec.		
Total Plate Count	$\leq 1000\text{CFU/g}$	$< 10\text{CFU/g}$
Mould & Yeast	$\leq 100\text{CFU/g}$	$< 10\text{CFU/g}$
Coliforms	$< 0.3\text{MPN/g}$	$< 0.3\text{MPN/g}$
Salmonella	Negative (In 25g)	Negative

*- Test once every six months.

Conclusion: Conform to the standard USP-NF 2022.

Reporter: 寿飞飞

Reviewer:

Approver:

QC Manager: Weiqi Wei