


COVITAS
 可维素

Shangyu NHU Bio-Chem Co., Ltd.

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Certificate of Analysis

Invoice No.: 334334

Date: Feb. 24, 2025

Product	:	Vitamin A Palmitate 1.0M IU/G EP11.0/USP2022
Batch No.	:	0425015003
Total Quantity	:	500KGS
Manufacture Date	:	Jan.21,2025
Certificate Date	:	Jan.22,2025
Expiry Date	:	Jan.20,2027 if stored below 15°C
Antioxidant	:	DL-Alpha-Tocopherol
Product Code	:	YYPY13
Po No.	:	4400000471
Container number	:	BEAU5576188
Brand	:	NHU™/COVITAS™

Results of Analysis:

Items	Standards	Results
Appearance	A fat-like, light yellow solid or a yellow oily liquid	Qualified
Identification	Identification A (Color reaction with antimony III): Positive	Qualified
	Identification B(TLC): Positive	Qualified
Solubility	Practically insoluble in water, soluble or partly soluble in ethanol and miscible with organic solvents.	Qualified
Assay	1.0M IU/G Min.	1.04M IU/G
Peroxide Value	Not more than 10meq/kg	4.3meq/kg
Acid Value	2.0 Max.	0.9
Retinol*	Not more than 1.0% (Test once every six months)	<1.0%
BHT	0.1% Max	0.013%
Absorbance ratios	A300/A326 ≤ 0.60	0.57
	A350/A326 ≤ 0.54	0.52
	A370/A326 ≤ 0.14	0.12
Heavy Metals*	≤ 10mg/kg (Test once every six months)	< 10mg/kg
Arsenic Content*	≤ 1mg/kg (Test once every six months)	< 1mg/kg
Residual Solvents	Meet the USP requirements	Qualified

Comply with EP11.0/USP2022 standard

Reporter:

Reviewer:

Approver: