



COVITAS
可维素

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Certificate of Analysis

Invoice No.: 217415

Date: May.04,2023

Product	:	Vitamin A Palmitate 1.0M IU/G EP11.0/USP2022
Batch No.	:	0423045002
Total Quantity	:	600KGS
Manufacture Date	:	Apr.18,2023
Certificate Date	:	Apr.19,2023
Expiry Date	:	Apr.17,2025
Antioxidant	:	DL-Alpha-Tocopherol
Product Code	:	YYPY13
Po No.	:	800529

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.	1.05M IU/G
Peroxide Value	Not more than 10meq/kg	2.4meq/kg
Acid Value	2.0 Max.	0.8
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	0.58
	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:

