



Shangyu NHU Bio-Chem Co., Ltd.

ADD: Hangzhou Bay Shangyu Economic and Technological Development Area, Zhejiang Province, China.
TEL: (086-575)86039932 FAX: (086-575)86165366 <http://www.cnhu.com>

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Certificate of Analysis

Invoice No.: 166114

Date: Apr. 07, 2022

Product : Vitamin A Palmitate 1.0M IU/G EP10.0/USP43
Batch No. : 0422035001
Total Quantity : 400KGS
Manufacture Date : Mar. 22, 2022
Certificate Date : Mar. 23, 2022
Expiry Date : Mar. 21, 2024
Antioxidant : DL-Alpha-Tocopherol
Product Code : YYPY13
Po No. : 88249

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 Identification B(TLC): Positive	Qualified 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	3.0meq/kg
Acid Value	2.0 Max.	0.7
Retinol*	Not more than 1.0%	<1.0%
BHT	0.1% Max	0.016%
Absorbance ratios	A300/A326 ≤ 0.60 A350/A326 ≤ 0.54 A370/A326 ≤ 0.14	0.57 0.52 0.12
Heavy Metals*	≤ 10mg/kg	<10mg/kg
Arsenic Content*	≤ 1mg/kg	<1mg/kg
Residual Solvents	Meet the USP requirements	Qualified

* Test verified on random samples

Comply with EP10.0/USP43 standard

Reporter:

胡晓琴

Inspector:

李国杰

Approved:

李国杰

