



ZHEJIANG NHU COMPANY LTD.

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Certificate of Analysis

Date: Feb.23,2024

Product Name	Vitamin E Acetate 98%
Brand	NHU™ / COVITAS™
Product Number	YYEJ02
Batch NO.	01240110EJ
Quantity	8000 kg
Manufacture Date	Jan.13,2024
Certificate Date	Jan.17,2024
Expiry Date	Jan.12,2027
Invoice No.	263794

Results of Analysis:

Test Items	Standards	Results
Appearance	Clear,colourless to slightly yellow or greenish-yellow, viscous, oily liquid	Conform
Solubility	Practically insoluble in water, freely soluble in acetone, in ethanol and vegetable oils	Conform
Assay	≥98.0%	99.1%
Identification A, B, C	Correspond	Conform
Related substances (GC)	Impurity A ≤0.5%	0.12%
	Impurity B ≤1.5%	0.72%
	Impurity C(tocopherol) ≤0.5%	0.29%
	Sum of impurity D and E ≤1.0%	N.D.
	Any other impurity, for each impurity: ≤0.25%	Max:0.02%
	Total impurities: ≤2.5%	1.2%
Optical rotation	-0.01° to +0.01°	0°
Acidity	NMT 1.0 mL of 0.10 N sodium hydroxide.	0.061ml
Sulphated ash*	≤0.10%	<0.10%
Heavy Metals*	≤10mg/kg	<10 mg/kg
Lead*	≤0.5mg/kg	<0.5 mg/kg
Arsenic*	≤1mg/kg	<1 mg/kg
Residual solvents*	Meet the requirement	Conform

* Test once every six months

Conclusion: Actual Tested Result Comply With EP11/USP2022/BP2023 Standard

Reporter: 李强 2024.02.23

Approver: 杨洁 2024.02.23

QC Manager: Yiming Zhang