



ZHEJIANG NHU COMPANY LTD.

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2.4.24
1.097

Certificate of Analysis

Date: Feb.26,2024

Product	VITAMIN E ACETATE MIN.98%
Brand	NHU™ / COVITAS™
Batch No.	01240201EJ
Product Code	YYEJ02
Total Quantity	10000kg
Certificate Date	Feb.06,2024
Manufacturing Date	Feb.01,2024
Expiry Date	Jan.31,2027
Invoice No.	263028
PO NO.	802183
Container No.	DRYU 9933946

Results of Analysis:

Test Items	Standards	Results
Appearance	Clear, colourless to slightly yellow or greenish-yellow,viscous oily liquid.	Conform
Assay by GC	≥98.0%	98.9%
Identification A、B、C	Correspond	Conform
Solubility	practically insoluble in water, freely soluble in acetone, in ethanol and vegetable oils.	Conform
Related substances (GC)	Impurities A:≤0.5%;	0.10%
	Impurities B:≤1.5%	0.66%
	Impurities C (Tocopherol) :≤0.5%	0.20%
	Any other impurity: for each impurity:≤0.25%	Max:0.03%
	Total:≤2.5%	Total :1.0%
	Total impurity D and E:≤1.0%	N.D.
Optical Rotation	-0.01°to +0.01°	-0.004°
Acidity	NMT 1.0 mL of 0.10 N sodium hydroxide.	0.061ml
Sulphated Ashes*	≤0.10%	<0.10%
Heavy Metals*	≤10 mg/kg	<10 mg/kg
Lead*	≤0.5 mg/kg	<0.5mg/kg
Arsenic*	≤1 mg/kg	<1 mg/kg
Mercury**	≤0.1 mg/kg	<0.1 mg/kg
Cadmium**	≤0.5 mg/kg	<0.5 mg/kg
Residual solvents*	Meet the USP & EP requirements.	Conform

* Test once every six months

** Test once every twelve months

Conclusion: Actual Tested Result Comply With USP2022 /EP11 Standard

Reporter: 杨芳 2024.02.26

Approver: 杨芳 2024.02.26
QC Manager: Yiming Zhang