



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B910~911 Xincheng Business Center,

Qianshan Road, Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Certificate of Analysis

Product Vitamin E Oil
 CAS No. 10191-41-0
 Packing 25kg/drum
 N.W. 3,000.00kg
 G.W. 3,120.00kg

Batch Number T2015042604
 MFG Date April 26, 2015
 Analysis Date April 26, 2015
 Retest Date April 25, 2017

Items	Specification	Testing Results
Appearance	Clear colorless to slight yellow or greenish-yellow viscous oily liquid	Confirms
Solubility	Practically insoluble in water, freely soluble in acetone, in ethanol and vegetable oil	Confirms
Assay, %	≥98.0	99.15
Identification	A.B.C: corresponds to standard	Confirms
Related substance, %	Impurity A: ≤0.50 Impurity B: ≤1.50 Impurity C (free tocopherol): ≤0.50 Sum of impurity D and E: ≤1.0 Any other impurity, for each impurity: ≤0.25 Total impurities: ≤2.50	0.08 0.74 0.20 0.09 <0.25 1.20
Optical rotation	-0.01°~+0.01°	0.00°
Acidity, mgKOH/g	≤2.0	0.10
Free tocopherol, %	≤0.50	0.20
Sulphated ash, %	≤0.10	0.02
Heavy metals, mg/kg	≤10.0	<10.0
Lead, mg/kg	≤2.0	<2.0
Arsenic, mg/kg	≤1.0	<1.0
Refractive index(20 °C)	1.494~1.498	1.497
Absorbance	42.0~45.0 max.at about 284nm 7.5~9.0 min.at about 254nm	43.7 7.6
Density (20 °C), g/ml	0.952~0.966	0.957
Residual solvents	Meet the requirements	Confirms

Prepared by Dong Mei

Checked by Wang Tianyi

Approved by Liu Wu

Conclusion *The Quality of the above said is in conformity with **USP37/EP8.0/BP2014***
Storage *Preserve in air-tight,light resistant containers with vacuum, and be stocked in dark and dry place*
COA Issuer *Quality Control Team-Technology Department*



刘斌