

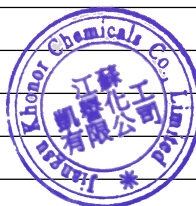


JIANGSU KHONOR CHEMICALS CO., LIMITED

CERTIFICATE OF ANALYSIS

Product Name	D-alpha Tocopheryl Acid Succinate	Product Code	H1210
Specification	1210 IU	Report Date	2026.06.08
Batch No.	260606A	Mfg. Date	2026.06.06
Test Standard	USP-NF 2026	Expiry Date	2028.06.05

Product Standards	Items	Standard requirement	Method	Results
USP -NF 2026	Identification	1 Positive	USP	Positive
	1 Color reaction	2 $\geq +24^{\circ}$	USP<781>	+24.7°
	2 Specific	3 The retention time of the major peak in the test solution is the same as that of the standard preparation.	USP	Conform
	Rotation $[\alpha]_D^{25^{\circ}}$			
	3 Retention Time			
	Acidity	18.0 ml~19.3 ml	USP	18.9 ml
	Assay	96.0%~102.0% ≥ 1162 IU/g	USP	98.9% 1197 IU/g
Appearance		White to off-white granular or powder.	Visual	Conform
Particle Size		Residue on 20 meshes $\leq 1\%$	USP<786>	0
Bulk Density		0.45g/cm ³ ~0.60 g/cm ³	USP<616>	0.52 g/cm ³
*Benzo(a)Pyrene		≤ 2 ppb	GC-MS	<2 ppb
Solvent residue	Hexane	≤ 290 ppm	USP<467>	22 ppm
	Ethanol	≤ 5000 ppm		1 ppm
*Heavy Metals	Lead	≤ 1 mg/kg	AAS	<1 mg/kg
	Arsenic	≤ 1 mg/kg	AFS	<1 mg/kg
	Cadmium	≤ 1 mg/kg	AAS	<1 mg/kg
	Mercury	≤ 0.1 mg/kg	AFS	<0.1 mg/kg
*Microbiology	Aerobic Plate Count	≤ 1000 (cfu/g)	USP<61>	<10 (cfu/g)
	Yeast and Molds	≤ 100 (cfu/g)	USP<61>	<10 (cfu/g)
	Escherichia Coli	Negative/g	USP<62>	Negative
	Salmonella	Negative/25g	USP<62>	Negative
	Staphylococcus Aureus	Negative/25g	USP<62>	Negative
Conclusion: Conforms to USP -NF 2026.				
Remarks: *Test periodically to ensure requirements are met.				



ANALYST: Guang Yang

APPROVER: Shan Guo