

Certificate of Analysis

Vitamin E Succinate

CAS No	4345-03-3	Code	BIOJVSE001
Batch No.	H20241007	Manufacture Date	Oct.31, 2024
Expiry Date	Oct.30, 2026	Quantity	30Kg

Testing Items	Specifications	Results
Identification	Color reaction: Positive	Positive
	Specific Rotation $[\alpha]_D^{25^\circ}$: $\geq +24^\circ$	+24.7°
	Retention Time: The retention time of the major peak in the test solution is the same as that of the standard preparation	Complies
Acidity	18.0ml~19.3ml	19.1ml
Assay	96.0%~102.0% $\geq 1162\text{IU}$	98.9% 1197IU
Appearance	White to off-white granular or powder.	Complies
Particle size	Residue on 20 meshes $\leq 1\%$	0.3%
Bulk density	0.45 g/cm ³ ~0.60 g/cm ³	0.48g/cm ³
Benzo(a)Pyrene	$\leq 2\text{ppb}$	<2ppb
Solvent residue	Hexane $\leq 290\text{ppm}$ Ethanol $\leq 5000\text{ppm}$	Negative Negative
Heavy metals(As Pb)	$\leq 10\text{mg/kg}$	Complies
Heavy metals	Lead: $\leq 1.0\text{mg/kg}$	<1 mg/kg
	Arsenic: $\leq 1.0\text{mg/kg}$	<1 mg/kg
	Cadmium: $\leq 1.0\text{mg/kg}$	<1 mg/kg
	Mercury: $\leq 0.1\text{mg/kg}$	<0.1 mg/kg
Microbiology	Total Bacterial Count $\leq 1000\text{cfu/g}$	Complies
	Yeast and Molds $\leq 100\text{cfu/g}$	Complies
	Escherichia Coli $< 10\text{cfu/g}$	Complies
	Salmonella: Negative in 25g	Negative
	Staphylococcus Aureus: Negative in 10g	Negative
Conclusion	This product conforms to USP-NF2024	

***Storage condition: Store below 25°C, Protect from moisture and light.**