

## **Certificate of analysis** Vitamin E Succinate

CAS No	4345-03-3	Code	BIOJVSE001
Batch No.	H20240305	Manufacture Date	Mar.25, 2024
Expiry Date	Mar.24, 2026	Quantity	30Kg

<b>Testing Items</b>	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	Complies	
	that of the standard preparation		
Acidity	18.0ml~19.3ml	18.8ml	
Assay	96.0%~102.0%	99.5%	
	≥1162IU	1204IU	
Appearance	White to off-white granular or powder.	Complies	
Particle size	Residue on 20 meshes ≤1%	0.4%	
Bulk density	$0.45 \text{ g/cm}^3 \sim 0.60 \text{ g/cm}^3$	0.51g/cm <sup>3</sup>	
Benzo(a)Pyrene	≤2ppb	<2ppb	
Solvent residue	Hexane≤290ppm	18ppm	
	Ethanol≤5000ppm	4ppm	
Heavy metals(As Pb)	≤10mg/kg	Complies	
Heavy metals	Lead: ≤1.0mg/kg	<1 mg/kg	
	Arsenic: ≤1.0mg/kg	<1 mg/kg	
	Cadmium: ≤1.0mg/kg	<1 mg/kg	
	Mercury: ≤0.1mg/kg	<0.1 mg/kg	
Microbiology	Total Bacterial Count≤1000cfu/g	Complies	
	Yeast and Molds≤100cfu/g	Complies	
	Escherichia Coli<10cfu/g	Complies	
	Salmonella: Negative in 25g	Negative	
	Staphylococcus Aureus: Negative in 10g	Negative	
Conclusion	This product conforms to USP-NF2023		

<sup>\*</sup>Storage condition: Store below 25°C, Protect from moisture and light.

