

CERTIFICATE OF ANALYSIS

Product Name	D-alpha Tocopheryl Acetate Powder		
Specification	700IU		
Quantity	1337kg		
Batch Number	20220618	Manufacture Date	20220618
Report Date	20220618	Expiry Date	20240617

Item of Analysis	Specification	Results	Test Methods
Physical & Chemical Data			
Appearance	White to almost white free-flowing powder	Conforms	Visual
Analytical Quality			
Identification(D-alpha Tocopheryl Acetate)			
Chemical Reaction	Positive	Conforms	Color Reaction
Optical Rotation	$\geq +24^\circ$	$+24.9^\circ$	USP<781>
Retention Time	The retention time of the principal peak conforms to which in the reference solution.	Conforms	USP<621>
Loss on Drying	$\leq 5.0\%$	2.40%	USP<731>
Bulk Density	0.30g/mL-0.55g/mL	0.36g/mL	USP<616>
Particle Size	90% through 40 mesh	98.28%	USP<786>
Assay			
D-alpha Tocopheryl Acetate	≥ 700 IU/g	708IU/g	USP<621>
Contaminants			
Lead (Pb)	≤ 1 ppm	Certified	GF-AAS
Arsenic (As)	≤ 1 ppm	Certified	HG-AAS
Cadmium (Cd)	≤ 1 ppm	Certified	GF-AAS
Mercury (Hg)	≤ 0.1 ppm	Certified	HG-AAS
Microbiological			
Total Aerobic Microbial Count	≤ 1000 cfu/g	< 10 cfu/g	USP<2021>

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Total Moulds and Yeasts Count	≤100cfu/g	<10cfu/g	USP<2021>
Enterobacterial	≤10cfu/g	<10cfu/g	USP<2021>
Salmonella	Negative/10g	Certified	USP<2022>
E. coli	Negative/10g	Certified	USP<2022>
Staphylococcus Aureus	Negative/10g	Certified	USP<2022>
Enterobacter Sakazakii	Negative/10g	Certified	ISO 22964

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

