

CERTIFICATE OF ANALYSIS

Product: D-alpha tocopheryl acetate powder 700IU

Batch No.: CP7-W020-2604N59

Quantity: 500 kg

Manufacturing Date: 2026.04.20

Report Date: 2026.04.27

Shelf Life: 24 Months

Test Item	Specification	Test Results
Appearance	Milk-white powder	conforms
Acidity*	≤ 0.5 ml	0.35 ml
Specific Rotation	$\geq +24^{\circ}$	$+24.45^{\circ}$
Loss on drying	$\leq 5\%$	2%
Bulk density	0.4-0.60 g/mL	0.42
Particle size	95% through 40 mesh	conforms
Heavy metal (as Pb)*	≤ 10 ppm	conforms
Lead*	≤ 2 ppm	<0.2 ppm
Arsenic*	≤ 1 ppm	<0.005 ppm
Cadmium*	≤ 1 ppm	<0.1 ppm
Mercury*	≤ 0.1 ppm	<0.01 ppm
Assay (alpha-tocopheryl acetate)	$\geq 51.5\%$	51.88%
Assay (IU/G)	≥ 700 IU	706 IU
PAHs test		
Benzo[a]pyrene	Max. 2 ppb	1.0 ppb
PAH4	Max. 10 ppb	4.2 ppb
Microbiological test		

Technical Data Sheet

Total plate count	≤ 1000 cfu/g	conforms
Yeasts and moulds	≤ 100 cfu/g	conforms
E. coli	Negative	Negative
Staphylococcus aureus*	Negative	Negative
Salmonella*	Negative	Negative