

CERTIFICATE OF ANALYSIS

Product Name	Vitamin A Palmitate Powder		
Specification	250 CWS		
Test Standard	USP/EP		
Batch Number	20240216	Manufacture Date	20240216
Report Date	20240216	Expiry Date	20260215

Items	Specifications	Results	Methods
Description	Pale yellow free-flowing powder, no foreign objects visible, no foreign matter and no odor.	Complies	Visual
Identification	The retention time of the principal peak conforms to which in the reference solution	Complies	HPLC
Particle Size	100% pass through sieve 40 mesh Min.90% pass through sieve 80 mesh	100% 97.7%	USP<786>Ph.Eur.2.9. 12
Vitamin A Palmitate Assay	95%~115% (238,000IU/g~288,000IU/g)	111.6% (279,000IU/g)	UV-Vis
Loss on drying	≤5.0%	3.7%	USP<731>Ph.Eur.2.2.32
Heavy Metals (as Pb)	≤10.00ppm	Complies	USP<231>II Ph.Eur.2.4.8
Lead (as Pb)	≤2.00ppm	<0.05ppm	USP<251>Ph.Eur.2.4.10
Arsenic (as As)	≤2.00ppm	<0.010ppm	USP<211>II Ph.Eur.2.4.2
*Cadmium (as Cd)	≤1.00ppm	/	USP<233>
*Mercury (as Hg)	≤0. 10ppm	/	USP<233>
Total aerobic microbial count	≤1000CFU/g	20CFU/g	USP<2021>Ph.Eur.2.6. 12
Total moulds and yeasts count	≤100CFU/g	<10CFU/g	USP<2021>Ph.Eur.2.6. 12
Enterobacterial	≤10CFU/g	<10CFU/g	USP<2021>Ph.Eur.2.6.13
*Escherichia coli	n.d./10g	n.d.	USP<2022>Ph.Eur.2.6.13
*Salmonella	n.d./25g	n.d.	USP<2022>Ph.Eur.2.6.13
*Staphylococcus aureus	n.d./10g	n.d.	USP<2022>Ph.Eur.2.6.13

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.

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