

Shaanxi Greenyo Biotech Co., Ltd

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CERTIFICATE OF ANALYSIS

Product Name	Retinol Powder
CAS	68-26-8
EINECS No.	200-683-7
Formula	C20H30O

Items	Specification	Result
Description	Light Yellow Crystal Powder	Conform
Identification		
A: Thin-Layer Chromatographic	To conform, EP	
B: Related substance	To conform, EP	
C: Color reaction	To conform, EP	Conform
Related substance ratios		
A300/A326	≤ 0.60, EP	0.57
A350/A326	≤ 0.54, EP	0.51
A370/A326	≤ 0.14, EP	0.11
Retinol	≤ 1.0% , EP (or HPLC)	n.d
Acid Value	≤ 2.0% , EP	0.7
Peroxide value	≤10.0, EP	1.2
Heavy metals (as pb)	≤ 5 mg/kg, CP	Less than 5 mg/kg
Arsenic	≤ 1 mg/kg, CP	Less than 1 mg/kg
Microbiological tests		
Total bacteria count	≤ 1000 cfu/g, GB/T 4789	Less than 10 cfu/g
Total mold& yeast count	≤ 100 cfu/g, GB/T 4789	Less than 10 cfu/g
Coliforms	Less than 30 mpn 100G,	Less than 30 mpn/100g
Salmonella	GB/T 4789	
	n.d /10g, SNO332	n.d
Assay	≥1,800,000 IU/g, EP	1,857,000 IU/g

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