



KS
Nutripharma

陕西康盛生物技术有限公司
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Certificate of Analysis

Product Name	β -carotene powder	Specification	10%
Batch No.	20210425	Manufacturing date	2021-04-25
Analysis Date	2021-04-25	Expiry Date	2023-04-25

Items	Methods	Specifications	Results
Appearance	Visual	Reddish-brown flowing powder	Reddish-brown flowing powder
Assay of total carotenoid	UV	$\geq 10.0\%$	11.09%
Assay of β -carotene	HPLC	$\geq 10.0\%$	10.12%
Particle size	100% pass 20mesh, 85% pass 40mesh, less 15% pass 100mesh		
Loss on drying	USP<731> EP2. 2. 32	$\leq 5.0\%$	3.18%
Heavy Metals	USP<231> II EP2. 4. 8	$\leq 10.0\text{ppm}$	$< 10.0\text{ppm}$
Lead	USP<211> II EP2. 4. 2	$\leq 2.0\text{ppm}$	$< 2.0\text{ppm}$
Arsenic	/	$\leq 1.0\text{ppm}$	$< 1.0\text{ppm}$
Mercury	/	$\leq 0.1\text{ppm}$	$< 0.1\text{ppm}$
Cadmium	/	$\leq 1.0\text{ppm}$	$< 1.0\text{ppm}$
Microbial Test			
Total aerobic microbial count	USP<2021> ep2. 6. 12	$\leq 1000\text{cfu/g}$	$< 10\text{cfu/g}$
Total moulds & Yeasts count	USP<2021> ep2. 6. 12	$\leq 100\text{cfu/g}$	$< 10\text{cfu/g}$
Coliforms	USP<2021> ep2. 6. 13	$\leq 0.3\text{MPN/g}$	$< 0.3\text{MPN/g}$
Salmonella	USP<2022> ep2. 6. 13	n. d. /25g	Certified
Staphylococcus aureus	USP<2022> ep2. 6. 13	n. d. /10g	Certified
Pseudomonas awruginosa	USP<2022> ep2. 6. 13	n. d. /10g	Certified
Remark: Performed the tests once half a year.			

QC: Lijia

QA: Liyaqiang

