

**KS**

Nutripharma

陕西康盛生物技术有限公司

SHAANXI KINGSCI BIOTECHNOLOGY CO., LTD.

Add: Rm 801-802 Fuedun International Fortune Center, Wenjing Rd, Xi'an 710018 China

Tel: 029-86181961

Fax: 029-86181551

www.kingsci.com

Certificate of Analysis

Product Name	β-carotene Beadlets	Specification	10%
Batch No.	20210225	Manufacturing date	2021-02-25
Analysis Date	2021-02-25	Expiry Date	2023-02-25

Items	Methods	Specifications	Results
Appearance	Visual	Reddish-brown flowing powder	Reddish-brown flowing powder
Assay of total carotenoid	UV	≥10.0%	11.00%
Assay of β-carotene	HPLC	≥10.0%	10.10%
Particle size	100% pass 20mesh, 85% pass 40mesh, less 15%	pass 100mesh	
Loss on drying	USP<731> EP2. 2. 32	≤5.0%	3.00%
Heavy Metals	USP<231> II EP2. 4. 8	≤10.0ppm	<10.0ppm
Lead	USP<211> II EP2. 4. 2	≤2.0ppm	<2.0ppm
Arsenic	/	≤1.0ppm	<1.0ppm
Mercury	/	≤0.1ppm	<0.1ppm
Cadmium	/	≤1.0ppm	<1.0ppm
Microbial Test			
Total aerobic microbial count	USP<2021> ep2. 6. 12	≤1000cfu/g	<10cfu/g
Total moulds & Yeasts count	USP<2021> ep2. 6. 12	≤100cfu/g	<10cfu/g
Coliforms	USP<2021> ep2. 6. 13	≤0.3MPN/g	<0.3MPN/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

