

Certificate of Analysis

Product name	β-Carotene	Specification	10% CWS
Batch No	202022001	Manufacturing Date	2021/2/20
Analysis Date	2021/2/20	Expiry Date	2023/2/19
Items	Methods	Specification	Results
Appearance	Visual	reddish-brown flowing powder	reddish-brown flowing powder
Particle Size	100% pass through sieve 40mesh 90% pass through sieve 80mesh	Complies	Complies
Assay of total carotenoid	UV	≥10.0%	10.80%
Assay of β-Carotene	HPLC	≥10.0%	10.20%
Loss on drying	USP<731> EP2.2.32	≤5.0%	3.40%
Heavy Metals(As PB)	USP<231>ll EP2.4.8	≤10PPM	<10ppm
Arsenic(as AS)	USP<211>ll EP2.4.2	≤10PPM	<3ppm
Microbial Test			
Total aerobic microbial count	USP<2021>EP2.6.12	≤1000cfu/g	<1000cfu/g
total moulds&yeasts count	USP<2021>EP2.6.12	≤100cfu/g	<100cfu/g
Enterobacterial	USP<2021>EP2.6.13	≤10cfu/g	<10cfu/g
Salmonella	USP<2021>EP2.6.13	n.d./25g	Certified
Escherichia Coli	USP<2021>EP2.6.13	n.d./10g	Certified
Staphylococcus aureus	USP<2021>EP2.6.13	n.d./10g	Certified
Pseudomonas aeruginosa	USP<2021>EP2.6.13	n.d./10g	Certified
Conclusion: Conform to USP/EP			

Analyst: ZHAOJINGJING

Quality Assurance Officer:YAOJUN