

R10438 R20086



Report Date: 2023/05/29



1G23050054001



Certificate of Analysis

Product Name	β-Carotene Beadlet	Specification	20%TAB-S
Batch No.	2023050603	Package	Bag
Sample Source	Nutritional Products Division	Quantity	4280.0kg
Mfg. Date	2023/05/11	Test Standard	QCS61.009.00(3.0)
Expiry Date	2026/05/10		

ITEMS	METHODS	SPECIFICATIONS	RESULTS
Description	Visual	Red or reddish-brown free flowing beadlets, with white spots of food starch	Reddish-brown free flowing beadlets, with white spots of starch
Identification	HPLC	Conforms to the reference solution	Conforms to the reference solution
Loss on drying	USP<731>	≤8.0%	0.99%
Heavy metals(as Pb)	USP<231>II	≤0.001%	<0.001%
Arsenic(as As)	Ph.Eur.2.4.2	≤3ppm	<3ppm
Particle Size			
Pass through sieve No.20	USP<786> Ph.Eur.2.9.12	100%	100%
Pass through sieve No.40	USP<786> Ph.Eur.2.9.12	≥85%	91%
Pass through sieve No.100	USP<786> Ph.Eur.2.9.12	≤15%	1%
Total carotenoid content	UV-Vis	≥20.0%	22.7%
Beta-Carotene	HPLC	≥20.0%	21.9%
Microbial test			
Total aerobic microbial count	USP<2021> Ph.Eur.2.6.12	≤1000cfu/g	<10cfu/g
Total moulds and yeasts count	USP<2021> Ph.Eur.2.6.12	≤100cfu/g	<10cfu/g
Enterobacterial	USP<2021> Ph.Eur.2.6.13	≤10cfu/g	<10cfu/g
*Salmonella	USP<2022> Ph.Eur.2.6.13	n.d./25g	Certified
*Escherichia coli	USP<2022> Ph.Eur.2.6.13	n.d./10g	Certified
*Staphylococcus aureus	USP<2022> Ph.Eur.2.6.13	n.d./10g	Certified
*Pseudomonas aeruginosa	USP<2022> Ph.Eur.2.6.13	n.d./10g	Certified

Conclusion:Conform to QCS61.009.00(3.0)

Remark: * Performed the tests once half a year.
"Certified"indicates data obtained by statistically designed sampling audits.

Reviewer: 吴艳妮
吴艳妮 2023/05/29 14:33:57

Approver: 王乐乐
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