

R10438
17025
5-10-23



Report Date: 2021/11/25



1G21110073001



Certificate of Analysis

Product Name	β-Carotene Beadlet		
Batch No.	2021100608	Specification	20%TAB-S
Sample Source	Nutritional Products Division	Package	Bag
Mfg. Date	2021/10/28	Quantity	4320.0kg
Expiry Date	2024/10/27	Test Standard	QCS61.009.00(3.0)

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	Conform
Loss on drying	USP<731>	≤8.0%	1.5%
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%	92%
Pass through sieve No.100	USP<786> Ph.Eur.2.9.12	≤15%	0.95%
Total carotenoid content	UV-Vis	≥20.0%	22.5%
Beta-Carotene	HPLC	≥20.0%	22.7%
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:
章晗英 2021/11/25 16:48:09

Approver:
王乐乐 2021/11/25 16:53:00

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