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## Certificate of Analysis

Product Name	β-Carotene Beadlet		
Product code	0106030000024	Specification	20%TAB-S
Batch No.	2024050506	Test No.	A2406005
Sample Source	6016	Package	Bag
Mfg.Date	2024/05/21	Quantity	3600kg
Expiry Date	2027/05/20	Test Standard	O.QCS.8002.A.011(V01)

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 food starch
Identification	HPLC	Conforms to the reference solution	Conforms to the reference solution
Loss on drying	USP<731>	≤8.0%	1.8%
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		≥85%	89%
Pass through sieve No.100		≤15%	12%
Total carotenoid content	UV-Vis	≥20.0%	22.2%
Beta-Carotene	HPLC	≥20.0%	22.1%
Microbial test			
Total aerobic microbial count	USP<2021>	≤1000cfu/g	<10cfu/g
Total moulds and yeasts count	Ph.Eur.2.6.12	≤100cfu/g	<10cfu/g
Enterobacterial	USP<2021> Ph.Eur.2.6.13	≤10cfu/g	<10cfu/g
*Salmonella		n.d./25g	Certified
*Escherichia coli	USP<2022>	n.d./10g	Certified
*Staphylococcus aureus	Ph.Eur.2.6.13	n.d./10g	Certified
*Pseudomonas aeruginosa		n.d./10g	Certified

**Conclusion: Conform to O.QCS.8002.A.011(V01)**

Remark: \*Performed the tests once half a year.

Certified indicates data obtained by statistically designed sampling audits.

Printer: 吳若明 2024.06.12

Reviewer: 齊新 2024.06.12

Approver: 王明 2024.06.12