



Certificate of Analysis



Product Name	β-Carotene Powder		
Batch No.	2020020102	Specification	1%CWS-K
Sample Source	Nutritional Products Division	Package	Bag
Mfg. Date	2020/02/19	Quantity	1900.0kg
Expiry Date	2023/02/18	Test Standard	QCS61.008.00(1.1)

ITEMS	METHODS	SPECIFICATIONS	RESULTS
Description	Visual	Yellow to orange free-flowing powder	O r a n g e free-flowing powder
Identification	HPLC	Conforms to the reference solution	Conform
Loss on drying	USP<731> Ph.Eur.2.2.32	≤5.0%	2.2%
Heavy metals (as Pb)	USP<231>II Ph.Eur.2.4.8	≤0.001%	<0.001%
Arsenic (as As)	USP<211>II Ph.Eur.2.4.2	≤0.0003%	<0.0003%
Amax(1%,1cm)Colour intensity of aqu. dispersionA 1%,1cm at maximum	UV	≥25	37
Total carotenoid content	UV	≥1.00%	1.33%
Beta-Carotene	HPLC	≥1.00%	1.31%
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 QCS61.008.00(1.1)

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

Reviewer:

金景 2020/03/12 14:28:39

Approver:

王乐乐 2020/03/12 14:52:23