



Quanao Biotech Co., Ltd.

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Certificate of Analysis

Product Name	Feed Grade Astaxanthin		
Production Date	2021-04-23	Batch No.	QA20210423
Expiry Date	2023-04-22	Report Date	2021-04-30
Original			
ITEMS	SPECIFICATIONS		RESULTS
Appearance	Dark red powder		Complies
Assay(%)	≥ 10.0 HPLC		10.12
Loss on Drying(%)	≤5.0		3.63
Ash (%)	≤5.0		2.28
Particle size	100% pass 60 mesh		Complies
Heavy metals			
Heavy Metal (ppm)	≤10.0		Complies
Pb(ppm)	≤1.0		Complies
As (ppm)	≤1.0		Complies
Hg(ppm)	≤0.1		Complies
Cd(ppm)	≤1.0		Complies
Microbiological Tests			
Total Plate Count(cfu/g)	≤ 1000		Complies
Yeasts and Moulds(cfu/g)	≤ 100		Complies
Coliforms(Mpn/g)	≤ 50		Complies
Salmonella /25g	Negative		Complies
S.Aureus,Shigella	Negative		Complies
Conclusion	Conform to the standard.		
Packing	25kg/drum		
Storage and Handling	Stored in a cool dry place, protected from light, heat and oxygen. It is recommended to use the entire contents in short time after opening.		
Shelf life	Two years if sealed and store away from direct sun light.		

QC: Li Ting

QA: Tian Wen

