

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	<b>beta-cryptoxanthin</b>		
<b>Batch No.</b>	20230415	<b>Botanical Name</b>	Orange peel
<b>Manufacturing Date</b>	April 15, 2023	<b>Origin of Raw Material</b>	Orange peel
<b>Quantity</b>	200kg	<b>Country of Origin</b>	China
<b>Part Usage</b>	Orange peel		
<b>Analytical results</b>			
<b>Items</b>	<b>Specifications</b>	<b>Results</b>	<b>Method&amp;Refence</b>
<b>Appearance</b>	Orange Powder	Conformed	Visual
<b>Taste and Odor</b>	Characteristic	Characteristic	Organoleptic
<b>Mesh Size</b>	100%through80Mesh	100% through 80 Mesh	USP34<786>
<b>Beta-cryptoxanthin ( UV)</b>	≥1%	1.06%	UV
<b>Bulk density</b>	20-60g/100ml	45g/100ml	USP346<616>
<b>Heavy Metal</b>	≤10ppm	Conformed	USP34<231>
<b>Lead</b>	≤3ppm	Conformed	AAS
<b>Cadmium</b>	≤1ppm	Conformed	AAS
<b>Mercury</b>	≤1ppm	Conformed	AAS
<b>Arsenic</b>	≤2ppm	Conformed	AAS
<b>Loss on Dry</b>	≤7.0%	4.76%	USP34<731>
<b>Ash</b>	≤5.0%	3.48%	USP34<281>
<b>Solvent Residues</b>	10mg/Kg Max	Conformed	GC
<b>Microbiological</b>	Total Plate Count: < 1000 cfu/g	Conformed	USP30<61>
	Yeasts & Moulds: < 100 cfu/g	Conformed	USP30<61>
	Staphylococcus Aureus: Absent	Conformed	USP30<61>
	Salmonella species : Absent	Conformed	USP30<61>
	E. Coli :Absent	Conformed	USP30<61>
<b>Assay</b>	99.50%Min.		99.92%
<b>Conclusion</b>	This product conforms to the standard.		

Inspector: Carlifor Wu

Verifier: Jack He

