

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Dunaliella Salina Powder	<b>Batch Number:</b>	YT20200305
<b>Botanical Source:</b>	Dunaliella salina	<b>Manufacture Date:</b>	Mar.05,2020
<b>Plant part used:</b>	Seaweed	<b>Analysis Date:</b>	Mar.08,2020
<b>Quantity:</b>	500kgs	<b>Expire Date:</b>	Mar.04,2022

ITEM	STANDARD	TEST RESULT	TEST METHORD
$\beta$ -carotene	$\geq 2.0\%$	2.35%	HPLC
<b>Physical &amp; Chemical</b>			
Appearance	Tawny or light yellow powder	Complies	Visual
Odor & Taste	Characteristic	Characteristic	Organoleptic
Particle Size	98% through 80mesh	Complies	USP <786>
Loss on drying	$\leq 7.0\%$	5.97%	USP <731>
Ash	$\leq 20.0\%$	8.10%	USP <281>
Solvents Residue	Meet USP standard	Complies	USP <476>
Pesticide Residue	Negative	Complies	USP <561>
<b>Heavy Metal</b>			
As	$\leq 1.0\text{ppm}$	0.01ppm	ICP-MS
Pb	$\leq 1.0\text{ppm}$	0.01ppm	ICP-MS
Cd	$\leq 1.0\text{ppm}$	0.02ppm	ICP-MS
<b>Microbiological Test</b>			
Total Plate Count	$\leq 1,000\text{cfu/g}$	$< 100\text{cfu/g}$	AOAC
Mold and Yeast	$\leq 100\text{cfu/g}$	$< 20\text{cfu/g}$	AOAC
E.Coli	Negative	Complies	AOAC
Salmonella	Negative	Complies	AOAC
<b>Conclusion</b>	Conform with specification,Non-irradiation, Allergen Free, BSE/TSE Free		
<b>Storage</b>	Store in cool and dry places. Keep away from strong light and heat		
<b>Packing</b>	By 25kgs/Drum, inner by double plastic bag		
<b>Shelf Life</b>	24 months under the above condition,and in it's original package		

Quality Assurance Officer: Weiqiang Hu

