

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Astaxanthin	<b>Manufacturing Date:</b>	May. 17 <sup>th</sup> , 2017
<b>Batch No.:</b>	RDEGR20170517	<b>Expiration Date:</b>	May. 16 <sup>th</sup> , 2019
<b>Botanic Source:</b>	<i>Haematococcus pluvialis</i>	<b>Part of Used:</b>	shell

Item	Specification	Result
Appearance	Red fine powder	Conform
Odor	Marine, seaweed smell	Conform
Identification	Positive	Positive
Sieve Analysis	100% pass 80 mesh	Conform
Assay (UV)	≥ 3%	3.16%
Loss on Drying	≤ 5.0%	2.70%
Ash	≤ 5.0%	2.38%
Solvent Residue	Eur. Pharm	Conform
<b>Heavy Metals</b>	<b>≤ 20ppm</b>	<b>Conform</b>
As	≤1ppm	Conform
Hg	≤0.1ppm	Conform
<b>Microbiological Tests</b>		
Total Plate Count	< 10,000 cfu/g	Conform
Yeast & Mold	< 1,000 cfu/g	Conform
E. Coli	Negative	Conform
Salmonella	Negative	Conform
<b>Packing &amp; Storage</b>	packed in double plastic bag inside, fiber container outside. Store in a well-closed container away from moisture, light, heat, oxygen.	
<b>Shelf Life</b>	2 Years if sealed and stored properly.	
<b>Manufacturer</b>	RD Health Ingredients Co., Ltd. Xi'an, P.R. China	

**Quality Assurance Officer**
Zhang Zhewen
**Analyst**
Wang Wei