



**Hongda**  
Phytochemistry

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**Headquarter:** 1932 S Lynx Place, Ontario, CA 91761,US

**Factory:** No.2, Hongda Industrial District, Dacheng, Sanyuan, Xianyang, Shaanxi,China.

**USA Warehouse:** 1932 S. Lynx PL, Ontario, CA 91761,US

**NJ Warehouse:** 52 Butler Street, Unit A Elizabeth, NJ 07206

## Certificate of Analysis

### Hydrolyzed Fish Collagen

<b>Batch No.</b>	20200905	<b>Manufacturing Date</b>	09/05/2020
<b>Batch Quantity</b>	8,000KG	<b>Expiration Date</b>	09/04/2023
<b>Source</b>	<i>Fish Skin</i>	<b>Country of Origin</b>	China
<b>Appearance</b>	Light Yellow white Fine Powder	<b>Part Used</b>	Skin
<b>ITEMS</b>	<b>SPECIFICATION</b>	<b>RESULT</b>	<b>METHOD</b>
Protein	≥90%	92.60%	Kjeldahl Method
Molecular Weight	≤5000	Pass	HPLC
<b>PHYSICAL CHARACTERISTICS</b>			
Particle Size	100% Through 80 mesh	Pass	U.S.P / N.F.
Loss on Drying	≤10.00%	4.20%	17h, 105°C
Total Ash	≤2.00%	1.40%	17h, 550°C
PH	4.0-7.5	5.5	6.67%, 45°C
Bulk Density	≥0.3g/ml	0.35g/ml	U.S.P / N.F.
<b>CHEMICAL CHARACTERISTICS</b>			
Arsenic (As)	≤1.0ppm	<1.0ppm	U.S.P / N.F.
Lead (Pb)	≤0.5ppm	<0.5ppm	U.S.P / N.F.
Cadmium(Cd)	≤1.0ppm	<1.0ppm	U.S.P / N.F.
Mercury(Hg)	≤0.1ppm	<0.1ppm	U.S.P / N.F.
SO <sub>2</sub>	≤50ppm	Pass	U.S.P / N.F.
Peroxides	≤10ppm	Pass	U.S.P / N.F.
<b>MICROBIOLOGICAL CHARACTERISTICS</b>			
Total Plate Count	≤1000cfu/g	200cfu/g	U.S.P / N.F.
Total Yeast & Mold	≤100cfu/g	Not Detected	U.S.P / N.F.
E.Coli	Not Detected in(g) 10	Not Detected	U.S.P / N.F.
Salmonella	Not Detected in(g) 25	Not Detected	U.S.P / N.F.
Staphylococcus	Not Detected in(g) 10	Not Detected	U.S.P / N.F.
<b>Packing and Storage</b>	Polyethylene bag with cardboard drum. 20kg net. Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.		

Tested by: *Tracy Cui*

Date: 09/12/2020

Approved by: *Jack Jia*

Date: 09/12/2020