

PREMIUM INGREDIENT CO.,LTD

CERTIFICATE OF ANALYSIS

Product Name: Hydrolyzed Bovine Collagen(Granule)

Manufacturing date: 2022-12-29

Bulk density: 0.34 g/ml

Batch No.: 30122104-G

Expiry date: 2025-12-28

Test Item	Standard Value	Test method	Results	Unit
<u>Physical:</u>				
Color	Light yellow or white	Visualization	Complies	--
Odor	With product special smell, free from foreign smell	Olfaction	Complies	--
Appearance	Present dry powder uniformly, no lumping, no impurity, and mildew spot which can be seen by naked eyes directly.	Visualization	Complies	--
Protein(Dry Basis)	≥90	Kjelaahl Method	96.693	%
Clarity	450nm≥75	--	87	%
	620nm≥90		97	%
Ash	≤1.0	GMIA	0.11	%
Moisture	≤7.0	GMIA	5.1	%
Sulfur Dioxide	≤30	AOAC	13.0	mg/kg
Hydrogen peroxide	≤10	USP/NF	0	mg/kg
pH	4.0-7.0	--	5.3	--
Water insoluble	≤0.1	AOAC	0.04	%
<u>Heavy Metal:</u>				
Pb	≤0.8	AAS	0.084	mg/kg
Cr	≤2.0	AAS	0.25	mg/kg
Cd	≤0.1	AAS	0.0070	mg/kg
As	≤1.0	AFS	0.041	mg/kg
Hg	≤0.1	AFS	0.039	mg/kg
<u>Microbiological</u>				
<u>Analysis:</u>				
Total Plate Count	≤1000	FDA/BAM	<10	cfu/g
Coliforms	≤0.92	FDA/BAM	<0.3	MPN/g
Mold & Yeast	≤50	FDA/BAM	<10	cfu/g
Salmonella	negative	FDA/BAM	negative	--
Conclusion	Qualified			

STORAGE: PRESERVE IN WELL-CLOSED CONTAINERS IN A DRY PLACE.