

PRODUCT DESCRIPTION

This product is an enzymatically-produced collagen peptide from single source of *Pangasius hypophthalmus* fish skin. It can be used as a protein source in food, nutritional supplements and personal care products.

PRODUCT CHARACTERISTICS

Test	Specification	Test Method
Physicochemical parameter		
Appearance	White fine powder	Visual
Solubility	Soluble in cold water	Visual
Turbidity (10% solution)	≤ 20 NTU	ISO 7027:1999
pH value of 1% solution	5.0 – 7.0	USP
Average Molecular Weight (Mw)	1000 – 2000 Da	WATERS
Moisture content	≤ 8%	USP
Total ash content (Residue on ignition)	≤ 2 %	AOAC
Protein content	≥ 90%	FAO
SO ₂ *	≤ 50 ppm	AOAC
H ₂ O ₂ *	≤ 10 ppm	AOAC
Heavy metal		
Pb*	≤ 1.0 ppm	AOAC
As*	≤ 1.0 ppm	AOAC
Cd*	≤ 0.05 ppm	AOAC
Hg*	≤ 0.15 ppm	EPA 7473
Cr*	≤ 10 ppm	BSEN14082:2003
Cu*	≤ 30 ppm	AOAC
Fe*	≤ 30 ppm	AOAC
Zn*	≤ 30 ppm	AOAC
Microbiological parameter		
Total Plate Count	≤ 1000 cfu/g	USP
Total yeast and mould	< 100 cfu/g	ISO 21527-2:2008
<i>Escherichia coli</i>	Not detected/10g	USP
<i>Staphylococcus aureus</i>	Not detected/g	USP
<i>Coliforms</i>	Not detected/10g	ISO 4831:2006
<i>Salmonella</i>	Negative/25g	USP

* Performed on routine level, as per quality control plan

PACKAGING 10kg; Kraft paper bag with PET inner or at the request of customers.

STORAGE Store at cool and dry place, keep out of direct sunlight and high moisture.

SHELF LIFE 4 years from production date when stored properly.

Approved by


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Quality - Planning Manager


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