



Nippi Collagen NA Inc.  
219 – 3823 Henning Drive  
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## **SPECIFICATIONS OF NIPPI COLLAGEN PEPTIDES**

### **TruMarine™ Collagen - Premium Select - Granular**

#### **IDENTIFICATION**

<b>Product Name</b>	Nippi TruMarine™ - Collagen Peptides
<b>Grade</b>	Premium Select
<b>Origin of material</b>	Fish Scale
<b>Country of Origin</b>	Japan
<b>Product Code</b>	FCP-Granular

#### **PHYSICAL PROPERTIES**

#### **SPECIFICATION**

#### **TEST METHOD**

<b>Appearance</b>	Grainy Powder
<b>Color</b>	White
<b>Odor &amp; Taste</b>	Faint Sweetness

N/A

N/A

N/A

#### **CHEMICAL PROPERTIES**

#### **SPECIFICATION**

#### **TEST METHOD**

	5.0 to 7.0 (Sample 10% aqueous solution)	99.1-CDXA-2.0-000316
<b>Viscosity</b>	2 to 4 mm <sup>2</sup> /s (16.7% aqueous solution 40°C)	JSFA-VIII
<b>Transmittance</b>	≥90% (10% aqueous solution)	660nm, 10mm cell
<b>Moisture</b>	≤10%	JSFA-VIII
<b>Residue on ignition</b>	≤3.0%	JSFA-VIII
<b>Nitrogen content</b>	≥16%	Kjeldahl method

#### **REPORTING**

#### **HEAVY METALS**

#### **SPECIFICATION**

#### **RESULTS**

#### **LIMIT**

#### **TEST METHOD**

<b>Arsenic</b>	≤ 1ppm	ND	<0.5	ICP/MS
<b>Cadmium</b>	≤ 20 ppm	ND	<0.25	ICP/MS
<b>Chromium</b>	≤ 20 ppm	ND	<0.5	ICP/MS
<b>Lead</b>	≤ 20 ppm	ND	<0.05	ICP/MS
<b>Mercury</b>	≤ 20 ppm	ND	<0.1	ICP/MS

#### **MICROBIOLOGY**

#### **SPECIFICATION**

#### **TEST METHOD**

<b>Total Aerobic Count</b>	≤1000 cfu/g	JP_X VI or Standard Methods of Analysis in Food Safety Regulation
<b>Total Yeast and Mold</b>	≤100 cfu/g	JP_X VI or Standard Methods of Analysis in Food Safety Regulation
<b>Coliform group</b>	Negative /g	JP_X VI or Standard Methods of Analysis in Food Safety Regulation
<b>E. Coli</b>	Negative /10g	JP_X VI
<b>Salmonella</b>	Negative /10g	JP_X VI

#### **PACKAGING**

<b>Shelf Life</b>	5 years from manufacturing date
<b>Package</b>	Multiply kraft paper bags with PE-Liner, 10kg

Stauber Item # 24964





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## **AMINO ACID PROFILE**

### **TruMarine™ Collagen - Premium Select**

<b>AMINO ACIDS</b>	<b>Mol/1000 residues</b>
Hydroxyproline (Hypro)	80.7
Aspartic Acid (Asp)	42.5
Threonine (Thr)	24.8
Serine (Ser)	31.1
Glutamic Acid (Glu)	73.6
Proline (Pro)	103.6
Glycine (Gly)	339.6
Alanine (Ala)	140.5
Cystine (Cys)	N.D.
Valine (Val)	22.2
Methionine (Met)	10.6
Isoleucine (Ile)	9.6
Leucine (Leu)	19.8
Tyrosine (Tyr)	0.8
Phenylalanine (Phe)	14
Hydroxylysine (Hyllys)	7.8
Lysine (Lys)	27.2
Histidine (His)	7.2
Arginine (Arg)	44.3
Total Amino Acids	999.9