

<b>Product name</b>	Premium Bovine Collagen	<b>Grade</b>	Food Grade
<b>Batch Number</b>	6088426	<b>Quantity</b>	10000 kg
<b>Source:</b>	Beef hide (grass fed)	<b>Molecular Weight</b>	2000 Da

<b>Item</b>	<b>Specification</b>	<b>Results</b>
Viscosity	2.0-4.0 mPa.s	3.83mPa.s
Clarity	≤10 NTU	4 NTU
Odor	Characteristic	Characteristic
Colour	≤3.50	3.25
Ash	≤2.00%	0.57%
Moisture	≤10.0%	7.3%
pH	5.0-6.5	5.9
Peroxide	≤10.0 ppm	≤10.0 ppm
SO <sub>2</sub>	≤10.00 ppm	≤10.00 ppm
Chromium	≤10.00 ppm	≤10.00 ppm
Lead (1)	≤3.00 ppm	≤3.00 ppm
Arsenic (1)	≤1.00 ppm	≤1.00 ppm
Cadmium	≤0.50 ppm	≤0.50 ppm
Mercury	≤0.10 ppm	≤0.10 ppm
Copper (7)	≤30.00 ppm	≤30.00 ppm
Zink (7)	≤50.00 ppm	≤50.00 ppm
Protein (%)	≤90%	92.13
Fat (%)	0%	0%
Energy (kcal/100g)	360 kcal	368 kcal

Sodium (mg/100 g)	82 mg	82 mg
Bulk Density g/mL	0.25-0.35 g/mL	0.33
Particle size (8)		
Below 1000µm (mesh # 18) %	≤95%	COMPLY
Below 75 µm (mesh # 200) %	≤10%	COMPLY
MICROBIOLOGICAL PARAMETERS		
Total bacterial count	≤1000 CFU/g	≤1000 CFU/g
Salmonella sp in 25 g	ABSENT	ABSENT
E.coli in 10g	ABSENT	ABSENT
Anaerobic sulphite-reducing spores	≤10 CFU/g	≤10 CFU/g

**Average Amino Acids profile per 1 gram**

Alanine	74.52 mg
Arginine	77.28 mg
Aspartic acid	60.72 mg
Glutamic acid	114.08 mg
Glycine	192.28 mg
Histidine	7.36 mg
Hydroxylysine	11.04 mg
Hydroxyproline	104.88 mg
Isoleucine	13.8 mg
Leucine	26.68 mg
Lysine	31.28 mg
Methionine	5.52 mg
Phenylalanine	19.32 mg
Proline	105.8 mg
Serine	31.28 mg
Threonine	17.48 mg
Tyrosine	4.6 mg
Valine	22.08 mg
Cystein	1 mg

**Conclusion, This product complies with above specification.**

**19-10-2023**