

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Hydrolyzed Porcine Collagen
Lot Number	FH 1580
Lot Quantity	8,000.00 Kg
Packing Date	2022-04-05
Use by Date	2028-04-05
Storage Conditions	This product is stable when stored in dry place on room temperature.

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Protein*	≥ 90.0%	≥ 90.0%
Viscosity (20%)	30.0 – 50.0 mPs	40.0 mPs
Tapped Density	0.400 – 0.600 g/mL	0.501 g/mL
Moisture	≤ 8.0%	6.3%
Ash	≤ 2.0%	≤ 2.0%
pH	5.00 – 6.50	6.06
Sulfur Dioxide	≤ 10.0 ppm	≤ 10.0 ppm
Hydrogen Peroxide	≤ 10.0 ppm	≤ 10.0 ppm
Arsenic*	≤ 0.8 ppm	≤ 0.8 ppm
Chromium*	≤ 2.0 ppm	≤ 2.0 ppm
Cadmium*	≤ 0.5 ppm	≤ 0.5 ppm
Zinc*	≤ 30.0 ppm	≤ 30.0 ppm
Copper*	≤ 30.0 ppm	≤ 30.0 ppm
Lead*	≤ 1.5 ppm	≤ 1.5 ppm
Mercury*	≤ 0.15 ppm	≤ 0.15 ppm
Particle size (passing through #60, 250 µm)	≥ 95.0%	≥ 95.0%
Appearance	Light beige color fine powder	Light beige color fine powder

Microbiological Tests

Analysis Item	Specification	Result
Total Aerobic Microbial Count	≤ 1000 cfu/g	≤ 1000 cfu/g
E. coli	Negative /10g	Negative
Sulphite-Reducing Anaerobic Spores*	≤ 10 cfu/g	≤ 10 cfu/g
Salmonella	Absent /25g	Absent

Notes:

* - Parameters marked with an asterisk are analysed according to a periodic analysis plan.

(1) GMIA/GME - Gelatin Manufacturers Institute of America/ Gelatin Manufacturers of Europe

(2) AOAC - Association of Official Analytical Chemists

(3) USP - United States Pharmacopeia

(4) ISO - International Organization for Standardization