

Certificate of Analysis

Product Name: Collagen Hydrolyzed Bovine (Type I, III)
 Country of Origin: Germany
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Protein (on dried basis) (Kjeldahl)	≥96%	97.93%
Loss on Drying (USP<731>)	≤7.0%	2.33%
Melamine (HPLC)	Not Detected	Not Detected <0.001 mg/ml
Arsenic	≤1 mg/kg	<0.0100 ppm
Cadmium	≤0.5 mg/kg	<0.00500 ppm
Lead	≤3 mg/kg	<0.00500 ppm
Mercury	≤0.1 mg/kg	<0.00500 ppm
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Light yellow, agglomerated powder	Conforms
Ash (550°C, 5 h)	≤2%	1.3%
Bulk Density	300-500 g/L	445 g/L
pH (5% Solution)	5.0-8.0	6.1
Molecular Weight (Viscofan GPC Method)	1000-3000 Da	Conforms
Odor (Viscofan Method)	Neutral	Conforms
Taste (Viscofan Method)	Neutral	Conforms
Potassium Sorbate	≤1000 ppm	0
Oxidizing Substances (H2O2) (1)	≤10 mg/kg	Conforms
Sulfites (1)	≤10 mg/kg	Conforms
Zinc (1)	≤50 mg/kg	Conforms
Solubility	Easily soluble in cold and warm water	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

(1) Property monitored at a quarterly basis

Additional Information: Non-Allergen || Gluten-Free || BSE/TSE Free
GMO Statement: Non-GMO
Sterilization: Non-EtO || Non-Irradiated
Storage Conditions: **Keep in sealed container under 25°C.**
Keep away from strong light, heat and moisture.

Purebulk, Inc. verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Candace Gibson / Ann Foote / Nicole Rammage

(This document was produced electronically and is valid without signature.)