

November 13, 2020

Messrs. Nitta Gelatin NA Inc.

PRODUCT INFORMATION SHEET

Goods: Collagen Peptide

Raw Material: Pig Skin

Product Code: COLLAPEP JB

Storage: Store at room temperature avoiding high temperature, high humidity, direct sunlight

Best Before: Three years after production date (Unopened)

Product Specifications:

Appearance	White to light yellow powder	Visual test
Odor and taste	Agreeable	In house method
Insoluble substance	None	In house method
Water content	≤10%	JIS K6503-2001
Total nitrogen	16-18%	Kjeldahl method
Arsenic(as As ₂ O ₃) *	≤1ppm	ICP
Heavy metals*	≤20ppm	JP
Total viable aerobic count	≤1,000/g	MAHS
Coliforms	Negative	MAHS
Viscosity	2.0-3.0 mPa·s	15% Solution at 40°C
pH value	5.5-7.5	JIS K6503-2001
Test for regulation of the chondrocyte differentiation*	Checking whether the alkaline phosphatase (ALP) activity in cultured cell, pre-chondrocytes (ATDC5), with the collagen peptide is significantly lower than a blank without the collagen peptide (p<0.1)	In house method (Cell culture test)

JIS: Japanese Industrial Standard

JP: Japanese Pharmacopoeia

MAHS: The "Method of Analysis in Health Science" is authorized by the Pharmaceutical Society of Japan

*The parameter is monitored according to an internal quality program

Net Weight: 15 kg

Packaging: Paper bag having polyethylene bag inside

We do hereby certify the above to be true and correct.

Information in this document is subjected to change without notice.

(2011139958)