Placenta Extract

The Placenta Extract Peptide belongs to the cosmetics extracts series of Costantino natural peptides production specifically developed for the cosmetic formulations where the highest level of skin nutrition is required, in combination with growth factors and other multiple substances present in the placenta organs. Purity and clarity of the products starts from the collection of the raw material and its processing and are the result of a continuous improvement in the selection and optimization of the best supply chain and a stable and capable process.

Placenta Extract Peptide is the result of the skill of Costantino in the selection of the best-optimized pork placenta source in combination with a specific degree of hydrolysis in order to deliver the optimized performance for texture and human tissue nutrition. The Placenta Extract Peptide is then filtered and concentrated before spray drying to obtain the best clarity and purified product for these applications. Placenta Extract Peptide is therefore particularly efficient where a high Amino Nitrogen level is required and, thanks to the medium level of hydrolysis, it is a perfect ingredient in cosmetic formulation. It also delivers a high efficient amino acids profile; Placenta Extract Peptides of Costantino are well known for their excellent growth factor content that provides the final product with unique characteristics. As many Costantino products customization of this product is available for eventual fine tuning of the chemical properties to fit the customers optimal needs.

Placenta extract is reach of growth factors with extremely high efficacy in skin nutrition and skin whitening. So it is particularly recommended in the formulations of topic products like fillers, lipsticks, powders, others formulation where combination of skin nutrition and smoothness are required. Placenta Extract has also excellent properties as ingredient as of hand soap and hair care formulations.

Placenta Extract Peptide is the result of the skill of Costantino in the selection of the best-optimized pork placenta source in combination with a specific degree of hydrolysis in order to deliver the optimized performance for texture and human tissue nutrition. The Placenta Extract Peptide is then filtered and concentrated before spray drying to obtain the best clarity and purified product for these applications. Placenta Extract Peptide is therefore particularly efficient where a high Amino Nitrogen level is required and, thanks to the medium level of hydrolysis, it is a perfect ingredient in cosmetic formulation. It also delivers a high efficient amino acids profile; Placenta Extract Peptides of Costantino are well known for their excellent growth factor content that provides the final product with unique characteristics. As many Costantino products customization of this product is available for eventual fine tuning of the chemical properties to fit the customers optimal needs.

Placenta Extract Peptide is the result of the skill of Costantino in the selection of the best-optimized pork placenta source in combination with a specific degree of hydrolysis in order to deliver the optimized performance for texture and human tissue nutrition. The Placenta Extract Peptide is then filtered and concentrated before spray drying to obtain the best clarity and purified product for these applications. Placenta Extract Peptide is therefore particularly efficient where a high Amino Nitrogen level is required and, thanks to the medium level of hydrolysis, it is a perfect ingredient in cosmetic formulation. It also delivers a high efficient amino acids profile; Placenta Extract Peptides of Costantino are well known for their excellent growth factor content that provides the final product with unique characteristics. As many Costantino products customization of this product is available for eventual fine tuning of the chemical properties to fit the customers optimal needs.

The standard packaging is a 25 kg cardboard box which contains the product within an inner polyethylene liner bag. No staples or metallic fasteners are used:

- Custom packaging available.
- Delivered with Certificate of Analysis.

The information contained herein is based on internal testing performed at A.Costantino & C. S.p.A. and is to the best of our knowledge true and accurate at present time. All data represents typical analyses provided as a general guide and not to be taken for exact specifications. No warranty nor any liability, implied or otherwise, is assumed with them. Users are directed to perform their tests to determine suitability and performance for specific purposes. The information and results contained in this technical data sheet are susceptible to modification at any time, without warning.

Placenta Extract

<table>
<thead>
<tr>
<th>TYPICAL PHYSICAL &amp; CHEMICAL PROFILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
</tr>
<tr>
<td>Hydrolyzed Pork Collagen</td>
</tr>
<tr>
<td>Placenta Extract</td>
</tr>
<tr>
<td>Uterus Extract</td>
</tr>
<tr>
<td>Hydrolyzed Protein HB</td>
</tr>
</tbody>
</table>

RANGE OF PHYSICAL & CHEMICAL PROFILE

<table>
<thead>
<tr>
<th>AVAILABLE ON REQUEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICROBIOLOGICAL ANALYSIS</td>
</tr>
<tr>
<td>Total Bacterial Count</td>
</tr>
<tr>
<td>Bile-tolerant Gram-negative Bacteria</td>
</tr>
<tr>
<td>E. coli</td>
</tr>
</tbody>
</table>

AMINOACID PROFILE

HYDROLYSIS PROFILE

Molecular Weights distribution

Degree of hydrolysis

Average MW

OTHER ANALYSIS

Heavy Metals

Carbohydrates

Salts and Ashes

Allergens

Fat

Solubility