

# Product Specification

Revision date : 24 April 2015

(Cosmetic ingredient)

Product name : Marine Placenta<sup>®</sup>

Product code : MPC

INCI Name : Placental Protein (MonoID : 2343)

## Product Specification

| ITEM  | SPECIFICATION  | METHOD  |
|---|--|---|
| 1 Description   | Colorless to light yellow clear liquid with slightly characteristic odor | Visual and sensory test   |
| 2 pH value  | 5.0~7.5  | pH Value Test Method of Japanese Standards of Quasi-drug Ingredients  |
| 3 Identification test                                   |  |   |
| 1) Amino acids  | Test solution exhibits red-purple to blue-purple color                   | To 1ml of this product, add 1ml of ninhydrin solution (1→1,000) and heat it.  |
| 2) Protein  | Test solution exhibits red-purple to blue-purple color                   | To 1ml of this product, add 1ml of sodium hydroxide test solution and copper sulfate (1→100) respectively and shake well. |
| 4 Nitrogen  | 0.04~0.06%   | Nitrogen Test Method of Japanese Standards of Quasi-drug Ingredients  |
| 5 Purity tests  |  |   |
| 1) Heavy metals content (as Pb)                         | Max.20ppm  | Heavy Metals Test Method of Japanese Standards of Quasi-drug Ingredients  |
| 2) Arsenic content (as As <sub>2</sub> O <sub>3</sub> ) | Max.2ppm   | Arsenic Test Method of Japanese Standards of Quasi-drug Ingredients   |
| 6 Residue on Ignition                                   | Max.1.0%   | Residue on Ignition Test Method of Japanese Standards of Quasi-drug Ingredients   |
| 7 Total plate count                                     | Max.100 CFU/ml   | Japanese Pharmacopoeia 15 <sup>th</sup> Edition   |
| 8 Yeast & mould count                                   | Max.10 CFU/ml  | Japanese Pharmacopoeia 15 <sup>th</sup> Edition   |
| 9 Microbiological Limit                                 |  |   |
| 1) Coliforms  | Negative   | Japanese Pharmacopoeia 15 <sup>th</sup> Edition   |
| 2) <i>P.Aeruginosa</i>                                  | Negative   | Japanese Pharmacopoeia 15 <sup>th</sup> Edition   |
| 3) <i>S.Aureus</i>                                      | Negative   | Japanese Pharmacopoeia 15 <sup>th</sup> Edition   |
| 4) <i>Candida Albicans</i>                              | Negative   | Candida albicans is guaranteed to be negative based on the yeast negativity of Yeast & Mould Test.                        |

## Quality Management

|   |   |
|---|---|
| 1 Origin of Materials                             | Fish(Salmon) / Country of origin : Japan    |
| 2 INCI Name                                       | Placental Protein / Phenoxyethanol          |
| 3 Production method                               | Batch production system                     |
| 4 Method of displaying lot number                 | (Example) MPC-8091                          |
|   | MPC-: Product identification code           |
|   | 8: Year of manufacturing, the last of A.D.  |
|   | 09: Month of manufacturing                  |
|   | 1: Serial number in the manufacturing month |
| 5 Opportunities for product inspection            | Each production lot                         |
| 6 Foreign substance                               | Visual                                      |
| 7 Microbe   | Sterilization, Microorganism test           |
| 8 Quality warranty period                         | 3 years after production (Only unopened)    |
| 9 Precautions to be taken in handling and storage | See Material Safety Data Sheet              |

## Packing

|                 |   |
|-----------------|---|
| 1 Net           | 6kg(1kg×6)  |
| 2 Specification | (Inner Packing) Square polyethylene containers                        |
|                 | (Outer Packing) Cardboard (length) 290mm (width) 190mm (height) 210mm |

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