

## FRAME FORMULATION

# TOTAROL™ ANTI-ACNE CREAM

The combination of Totarol™ providing anti-inflammatory, microbiome balancing, anti-oxidation and anti-aging properties with copper peptide to improve the skin permeability, allowing inorganic copper ions, which are difficult to penetrate stratum corneum, to penetrate deep into the skin to function. The complexes of cupric peptides with their copper ions can be used as activators and antioxidants for tissue remodeling. As signal peptide that promotes the degradation of large amounts of collagen aggregates outside scars, helps synthesis of beneficial collagen and elastin to skin, and controls the growth rate and migration of different types of cells.

*Disclaimer: The above frame formulation is only a proposed suggestion on usage of Totarol™ for topical skincare use. The end user must determine the suitability of use, stability and performance of the Frame Formulation and accepts any and all liability that use of this Frame Formulation may confer.*

| NAME  | %WT           |
|---|---------------|
| <b>PHASE A</b>  |               |
| EMT-10  | 1.20          |
| Dicaprylyl carbonate  | 2.00          |
| Glyceryl linoleate (and) Glyceryl oleate (and) Glyceryl linolenate  | 1.00          |
| Ethylhexyl palmitate  | 2.00          |
| C26-28 Alkyl Dimethicone  | 0.20          |
| Tocopherol acetate  | 0.20          |
| <i>Heat Phase A to 80°C under medium stirring</i>   |               |
| <b>PHASE B</b>  |               |
| Water   | To 100%       |
| Glycerine   | 3.00          |
| Xanthan Gum   | 0.18          |
| PEG-26 Glyceryl ether   | 4.00          |
| Carbomer  | 0.15          |
| Allantoin   | 0.10          |
| Glycerine and glyceryl polyacrylate   | 6.00          |
| Betaine   | 2.00          |
| <i>Heat Phase A to 80°C under medium stirring, then apply high shear until a rich glossy emulsion has formed.</i> |               |
| <i>Cool with stirring to 45°C</i>   |               |
| <b>PHASE C</b>  |               |
| Water   | 5.00          |
| Hyaluronic Acid 98%   | 0.10          |
| <i>Premix Phase C and add to the batch</i>  |               |
| <b>PHASE D</b>  |               |
| Triethanolamine   | 0.13          |
| <i>Mix until homogenous and pH = 6.0 – 6.5</i>  |               |
| <b>PHASE E</b>  |               |
| Totarol™ T 9  | 2.00          |
| Dipotassium glycyrrhizinate   | 0.10          |
| Preservative  | QS            |
| Fragrance (Parfum)  | QS            |
| GHK Copper Tripeptide   | 0.20          |
| <i>Add Phase E one ingredient at a time with constant stirring. Stir until Room temperature</i>                   |               |
|   | <b>100.00</b> |