PolyAquol™ LW

Selective Collateral Matrix™

The selection of highly purified polyglyceryl and fatty acid building blocks coupled to a molecular engineering know-how led to the creation of PolyAquol™-LW (patent pending). The key features of PolyAquol™-LW reside in its ability to form O/W emulsion in a cold-process environment while achieving very low levels of viscosity. It can be incorporated in the water phase or in the oil phase, independently. Those characteristics make PolyAquol™-LW perfectly suited for "one-pot" emulsions and also low-energy process avoiding the use of heat or homogenization. Moreover, its Cosmos status and palm-free origin make it an ideal candidate for green formulations. Thanks to its molecular design, PolyAquol™-LW outperforms other emulsifiers with an apparent similar chemical composition.

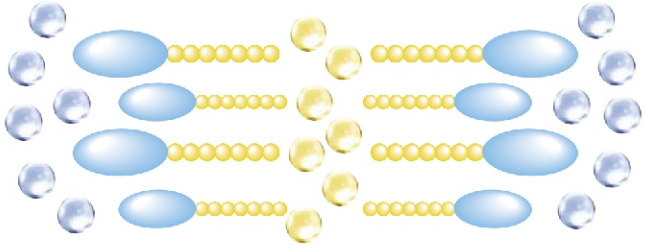
Technical information

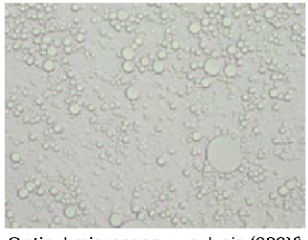
- INCI (proposed): Polyglyceryl-4 Laurate, Polyglyceryl-6 Laurate
- Whitish thick liquid
- Cold process O/W emulsions
- All natural
- Low viscosity emulsions
- One-pot emulsions
- Low energy systems
- Recommended use level: 2-5%
- Works in a pH range from 3 to 9
- Compatible with:
  - Lipid phase with different chemistry and polarity
  - Synthetic and naturally derived thickeners

Applications

- Skin care
- Sprayable lotions
- Milks
- Wipes
  - Baby care
  - Cleansing
  - Makeup removal
- Fabric masks
- Sun care
- Green emulsions

Selective Collateral Matrix





Optical microscopy analysis (600X)