



PolyAqual™ LW

Selective Collateral Matrix™

The selection of highly purified polyglyceryl and fatty acid building blocks coupled to molecular engineering knowhow led to the creation of **PolyAqual™-LW** (patented). The key features of **PolyAqual™-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 **PolyAqual™-LW** perfectly suited for “one-pot” emulsions and also low-energy processes 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, **PolyAqual™-LW** outperforms other emulsifiers with an apparent similar chemical composition.

Technical information

- **INCI:** Polyglyceryl-4 Laurate, Polyglyceryl-6 Laurate
- Cold process O/W emulsions
- Viscous liquid
- Emulsion without co-emulsifier addition
- Ideal for low viscosity lotions and sprayable emulsions
- One-pot emulsions
- Compatible with lipid phase of different chemistry and polarity
- Compatible with synthetic and naturally derived thickeners
- Low energy systems
- Recommended use level: 2-6%
- Wide range of pH (3-9)

Applications

- Skin care
- Sun care
- Hair care
- Make-up

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