



Statement about 2-Phase Products

(Calw, September 2017) 2-phase products consist of two fluids. One is the oil phase, a mixture of what are known as lipophilic substances. The other is a water phase, also known as the hydrophilic phase.

Water and oil always form separate phases, or layers, with the less dense oil forming the upper layer and water the lower layer. The phases can be briefly mixed together by shaking.

It would only be possible to permanently create a homogeneous mixture with the aid of an emulsifier, which has purposefully not been used in these products. This is why the two phases separate again. The speed of separation depends on the strength of the mechanical influence, i.e. shaking.

Due to the substances contained in both phases, the oil phase also includes hydrophilic molecules and the water phase also contains lipophilic ones. If the container is shaken frequently, the molecules may permanently bind together and no longer separate cleanly from each other. Visually, this appears to create a kind of third phase. In principle, this is the same as the temporary mixture that is otherwise created by shaking.

This permanent mixture does not have an impact on the quality and effectiveness of the products.

Since our 2-phase products contain natural ingredients, discoloration in the respective phases is possible. The natural ingredients may lose the intensity of their color over time or through light irradiation. This does not have an impact on the quality and effectiveness of the products either.

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