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Via solubilization of raw materials and active substances AQUANOVA oversteps functional and technical borders. Based on own product development AQUANOVA offers many substances in their water- and at the same time fat-soluble form: Vitamins, fatty acids, coenzyme Q10, isoflavones, flavonoids, carotinoids, phyto extracts, essential oils, preserving agents, etc.

The solubilisates have a key character and offer as well functional and physiological as well as technical advantages: Chemically unmodified substances, crystal clear, liquid solutions, water and fat solubility at the same time, new optimized galenic, significantly enhanced bioavailability, less substance creates identical effect, mechanically, thermally and pH stable, ready to use for production, processing without additives, patent protected formulas.

Basis for the unique solubilisate features is their nano structure: the so called „product micelle“. It serves as a carrier system for lipophilic and/or hydrophilic raw materials and active substances and exhibits an average diameter of only approx. 30 nm (1 nanometer equals a billionth of a meter). This nano structure allows all solubilisates to appear crystal clear, because the wavelength of light is even bigger than the size of the micelle. All solubilisates can be directly and homogenously integrated into end products without additives or additional production steps.

Even in comparison to conventional formulations and microencapsulation (e.g. liposomes) solubilisates are superior: they are thermically, mechanically and ph stable even in gastric acid and show a significant smaller structure on nano level. The nutritional and physiological advantages have been demonstrated by recognized studies. The micelle structure of solubilisates guarantees a optimal, up to four times higher and better resorption („bioavailability“) of the raw material / active substances.

By means of these characteristics the AQUANOVA solubilisates can be utilized for a wide range of applications for various industries, e.g. dietary supplements, functional food, beverages, cosmetics or pharmaceutical products. Marketing of the crystal clear solutions is done in cooperation with industry leaders (e.g. BASF, Degussa) in the raw material area and with selected partners in end product sectors.