

AQUANOVA launches a new water-soluble and highly bioavailable α -Lipoic acid formulation
Alpha-Lipoic acid, the rising star among the nutraceuticals, now available in a water-soluble form with strongly enhanced absorption

Darmstadt, July 12th, 2007 – AQUANOVA, leading supplier of special liquid ingredient formulations (“solubilisates”) has applied its unique proprietary solubilisation technology to α -Lipoic acid, a long known but hitherto underestimated nutraceutical. Lipoic acid has been around for a number of years as dietary supplement, primarily in the US, positioned as a physiological antioxidant. Only in recent times the scientific community has started to elucidate and understand the full potential of Lipoic acid as probably one of the most potent and versatile nutraceuticals. Apart from its well known biochemical role in the generation of energy, its protective effect against diabetes and its strong antioxidative properties, a number of additional benefits have been discovered in recent times such as

- It enhances heart and artery health, immune and brain functions
- It is referred to as an “anti-aging-nutrient”, increasing the healthy lifespan
- It has been shown to support weight reduction
- It has an anti-aging effect on the skin



Although Lipoic acid is present in every cell of the body, its physiological levels and its uptake from food are not sufficient for effects beyond normal physiology. The additional benefits described above can only be achieved through supplementation.

AQUANOVA has now taken α -Lipoic acid a step further and developed a water-soluble formulation of this fat-soluble compound, resulting in a clinically proven bioavailability (absorption), more than 3 times as high as straight Lipoic acid and more than twice as high as conventional dispersions in oil. Furthermore the skin penetration characteristics are significantly improved.



The products which are available as 20% and 10%-grades, are marketed under AQUANOVA’s well known NovaSOL®-brand as NovaSOL® Lipoic and have been developed for the following purposes:

- To improve the efficacy of dietary supplements by improving their bio-availability (absorption)
- To make the creation of drinkable dietary supplements feasible
- To improve the effects of α -Lipoic acid containing cosmetic creams and face masks by improving their skin penetration characteristics

NovaSOL® Lipoic fully utilizes the benefits of AQUANOVA’s proprietary solubilisation technology. Due to its unique micelle structure – the product micelles have a diameter of 30 nm only - NovaSOL® Lipoic is amphiphilic, i.e. truly water and fat-soluble, whereas α -Lipoic acid itself is lipophilic and fat-soluble only. So NovaSOL® Lipoic is the ideal α -Lipoic acid formulation for dietary supplements, especially soft gel capsules, drinkable supplements and cosmetics.

Company profile AQUANOVA AG

AQUANOVA is a leading supplier of innovative solubilisates for food, health, cosmetic and pharmaceutical ingredients. AQUANOVA develops and produces formulations (product brand "NovaSOL") utilizing its proprietary technology in close cooperation with renowned scientists. The basis are so called "product micelles", which are thermally, mechanically and pH stable, even in gastric acid. These particles exhibit an average diameter of only approx. 30 nm. By means of the product micelle and the AQUANOVA solubilisates, the development of innovative and pioneering end products in the fields of nutraceuticals, cosmetics, and pharmaceuticals is technically significantly simplified. The absorption of the active substance in the solubilisate (product micelles) and the bioavailability is significantly increased and optimized. In addition the solubilisates generate unique technical features and benefits such as superior antioxidative capacity for essential oils. The company's headquarter is located in Darmstadt (near Frankfurt), Germany.

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