

# DSM Press Release

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## **DSM Nutritional Products**

Global Communications

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Kaiseraugst, 27 February 2004

## Long-term oral intake of Zeaxanthin 5% TG increases plasma concentrations

A long-term oral intake of 1 and 10mg zeaxanthin as DSM Nutritional Products' Zeaxanthin 5% TG increases plasma concentrations 4- and 20-fold. This is the result of the first kinetic investigation on zeaxanthin performed on humans now published in "The American Journal of Clinical Nutrition". The study provides important information on the dosage regimen. In the average it takes about 4 weeks of continued daily dosing to reach steady plateau plasma concentrations. The study not only investigated the plasma kinetics of synthetic zeaxanthin after repeated oral doses but provided also new information on zeaxanthin metabolism and tested the possible influence of zeaxanthin on the plasma concentration of other carotenoids.

Zeaxanthin 5% TG proved to be highly bioavailable and did not affect concentrations of other carotenoids.

### **DSM Nutritional Products**

DSM Nutritional Products, the successor to Roche's Vitamins & Fine Chemicals Division, is the world's leading supplier of vitamins, carotenoids and other fine chemicals to the feed, food, pharmaceutical and cosmetic industries. The company will maintain its tradition as a pioneer in the discovery of new products, new formulations and attractive applications for all industry segments. For further information please visit [www.dsmnutritionalproducts.com](http://www.dsmnutritionalproducts.com).

### **DSM**

DSM is active worldwide in life science and nutritional products, performance materials and industrial chemicals. The company creates innovative products and services that help improve the quality of life. DSM's products are being applied in a wide range of end markets and applications such as human and animal nutrition and health, cosmetics, pharmaceuticals, automotive and transport, coatings, housing and electrics & electronics (E&E). The group has annual sales (pro forma including the recent acquisition - renamed DSM Nutritional Products) of approximately EUR 8 billion and employs in the region of 25,000 people around the world. DSM ranks among the global leaders in many of its fields. DSM is headquartered in the Netherlands, with locations in Europe, Asia and the Americas. More information about DSM can be found at [www.dsm.com](http://www.dsm.com).

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