

Product Highlights 2010



**The Pathway
to your Application**
Food, Beverages,
Nutritional Supplements



Dr. Paul Lohmann[®]

High value mineral salts

Innovations 2010

Taste sells!

Healthy products must taste well to be widely accepted from consumers. Take advantage of Lohmann's experiences, when you develop a new product with minerals. For different application areas we can offer the optimum solution for mineral fortification: e.g. micronized or micro-encapsulated qualities for a broad portfolio of minerals.

LomaSalt®

Range of mineral blends to reduce Sodium in food coming from table salt. Comprehensive application work has shown good results for bakery and sausage applications – we would be glad if we can share our experiences with you. Additional new varieties with e.g. added Iodide or trace-elements are also available. Ask also for tailor-made blends for your special application.

High Purity Mineral Salts

The demand for further improvements in food safety is growing. Dr. Paul Lohmann can offer today a range of products which can fulfil sophisticated needs for high quality nutritional applications areas. Special parameters are here controlled e.g. values of heavy metals or of certain micro-biological data.

Liquid Acetate Concentrates – Sodium Diacetate/Sodium Acetate

These Acetates are often used in liquid applications like marinades or dressings. Dr. Paul Lohmann offers now liquid varieties which save costs by cutting process-steps for solving the product. More details are available from our sales team.

Iron Innovations

Ferrous Bisglycinate: New in Dr. Paul Lohmann's range of Iron salts – is now listed on the positive list for food supplements and presents a combination of Iron with amino acid.

Ferric Pyrophosphate – Micro2: Microencapsulation of micronized powder; additional possibilities in various application areas as instant-meals, beverage-powders or spreads.

Mineral Pidolates

Pidolates are soluble mineral salts, which can be beneficial in a number of dietetic food applications. The new EU regulation about substances for nutritional uses (953/2009/EC) lists now also various mineral Pidolate types – details are available from the sales team.

Our Product Highlights

Calcium

Calcium Lactate PLUS: High and fast soluble Calcium salt – now also available in a granulated version for better flowability or compressibility.

Calcium-Magnesium-Citrate Premix: Soluble mix in a proper physiological ratio – ideal for liquid products with a high concentration target.

Calcium-Magnesium-Carbonate Premix: „2:1” ratio of Calcium and Magnesium. Especially suitable for bakery and cereal applications.

Magnesium

Magnesium Citrates: Ideal Magnesium salts for fortification of beverages – in a wide range of grades and types available.

Magnesium Carbonates: Available in a broad range of bulk densities and grades.

Other Elements

Zinc: Summary of all our important Zinc salts in our new brochure: Detailed information regarding solubility, colour and flavour – ask our sales team for a copy.

Fluorine: Dr. Paul Lohmann offers now also Fluorine as a Sodium Fluoride Trituration with a good suitability for tableting.

Selenium: New type of Sodium Selenite Trituration with Sodium Citrate as as common carrier for soluble applications.

Mineral Salts for Organic Products

The range of organic ingredients is increasing strongly. The use of additives is very limited – so it can be sometimes difficult to reach also the expected convenience. Nevertheless, different mineral salts are permitted for the production of organic food products (834/2007 EC and 889/2009 EC). Dr. Paul Lohmann offers a wide range of these mineral salts – please ask for our datasheet.



Mineral Premixes and More

Minerals are important micronutrients that increase the nutritional value of your food product.

Dr. Paul Lohmann has more than 120 years experience in handling and producing of mineral salts – so we know how to combine them in regard to reactivity, granulometry, solubility or stability. We use our own mineral salts to create pre-mixes – and on request, also inclusive other ingredients. Contact us!

Our technologists and nutritionists can assist, when you look for a safe, economic and reliable solution for new trends and concepts:

"Calcium Pro": Calcium, Inulin and Vitamin D

"Fe Plus": Iron, Folic Acid and Vitamin C

"Acid Base Balance": Balanced Mixture of Calcium, Potassium, Magnesium and Sodium Citrates

"Isotonic": Mineral blend for Isotonic Beverages including Calcium, Magnesium, Sodium and Potassium

Our Technologies and Concepts for your Applications ...

... in Foods & Beverages

- Mineral Fortification of Beverages: overview of possibilities with market-examples and fortification concepts
- Mineral Fortification of Dairy Products: innovative fortification concepts
- Calcium Fortification of Ice-Cream: superior results with Calcium Lactate PLUS
- Sodium Reduction of Bakery Products: effective reduction up to 50% with LomaSalt®
- Sodium Reduction of Sausages and Meat-products: new LomaSalt® variety, including Nitrite on request
- Sodium Reduction of Cream Cheese, French fries, Popcorn ... : ask for our technical support
- Magnesium Carbonate as an effective anti-lumping agent: for many applications
- Concepts for Infant Nutrition and Dietetic Foods: level new development of Calcium salts with low Aluminium



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... in Nutritional Supplements

Effective Taste Masking through Micro-Encapsulation

- For use in sticks (direct consumption) and similar applications

Active Ingredients & Excipients

- In a wide range of food & pharma quality levels

Granulation for Direct Compression (DC grades)

- For more cost-effective tableting

Ingredients for

- Effervescent tablets
- Chewable tablets
- Liquid supplements

Micronized Ingredients for Gel Caps

- Triturations of trace elements for easy and safe handling
- Micronized mineral salts

Premixes and Formulations

- Custom blends from the nutrition experts

The information given in the document corresponds to our current knowledge. We warrant in the frame of our General Terms and Conditions of Sale that our products are manufactured in accordance with the specifications. However, we disclaim any liability with regard to the suitability of our products for a particular purpose or application or their compatibility with other substances. Tests have to be performed by the customer who also bears the risk in this respect. Nothing herein shall be construed as a recommendation to use our products in conflict with third parties' rights.

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