



**Salts make
up our life**



Dr. Paul Lohmann®

High value mineral salts

„Dear Paul...“

We regularly receive emails with this title. We feel flattered even though our company consists of a lot more than just one person. This casual greeting demonstrates your comfort and willingness to work with us on a partnership basis, perhaps to develop specialty products for applications in the pharmaceutical, food or food supplement industry; or for the production of special grades, certain delivery terms or a particular packaging.



It is often our reputation of reliability, constant high product quality and comprehensive assortment that the author of such an email had heard about, which prompted him write to the alleged chemist named "Paul" from Germany. It will soon become clear that there is a flexible and innovative company behind this name once we handle the inquiry with our heart and spirit.

Individual support to our customers, applied development of products, manufacturing on a constant high quality level, GMP certified facilities and full compliance with customer specifications are all part of our daily business.

We believe that he would like that, also; – our "Paul".



Dr. Paul Lohmann® – innovative products for everyday



As a specialist in the production of mineral salts, we at Dr. Paul Lohmann® provide various sophisticated qualities and purities, according to customer's demands and specifications. The product portfolio ranges from technically pure products to up-market products, which meet the requirements of international pharmacopoeia. Our products low in endotoxins are used, for example, in injectables and dialysis solutions. Furthermore, we offer a wide range of products in special low aluminium qualities, e.g. for use in infant nutrition..

Dr. Paul Lohmann® DC-Granulates allow for dust-free processing and are directly compressible. Those processing properties contribute to health protection at work optimizing tableting efficiency at the same time.



Our special process to produce micronized mineral salts enables us to create products with greatly enlarged specific surface area which facilitates a quick dissolution. Those mineral salts can be absorbed much easier from the foods and dietary supplements. In addition, micronized mineral salts are often much better for the use in gels, creams and lotions than coarse-grained qualities.

Many mineral salts such as ferrous compounds may cause an unpleasant taste, or possess oxidative properties. For those cases, we at Dr. Paul Lohmann® offer various microencapsulated ingredients. The encapsulation process physically separates those mineral salts from other more sensitive ingredients of products, such as cereals or infant milk preparations in order to protect them from taste impairment or oxidation.



Dr. Paul Lohmann® – Individual solutions for individual requirements

"I was always tired at school and often I did not pick up anything. When the doctor told me I needed iron, first I thought I had to eat nails. Luckily, it was not that bad ..."

In foods our mineral salts are used for many purposes such as functional processing aids, as well as fortification. Depending on the application, we can vary the particle size between two millimeters and two micrometers and offer many products as encapsulated ingredients. Therefore, even fresh milk can become a rich source of iron.

Calcium, Iron, Magnesium and Zinc salts are used for the supplementation of food. We deliver individually formulated premixes according to customer specifications and supply trace elements in simple and easy to dose triturations.



"Racehorses accomplish a sportive maximum performance during a race which demands everything from their locomotor system. An optimal care and prime diet is required so that the top performance of these precious animals is not just random."

For premium animal nutrition Dr. Paul Lohmann® offers various additives, such as highly bioavailable Magnesium Aspartate.

Customer-specific premix formulations belong to our program as well as custom-made triturations of various trace elements, microencapsulated and micronized products.



"Nowadays the price is decisive for many common medications. When we can save a whole process including the machines and space by using directly compressible granulates in the production, it is an enormous competitive advantage for us."

Dr. Paul Lohmann® offers a great amount of pharmaceutical ingredients and excipients in "Direct Compressible" grades in several varieties. No wet granulation is needed anymore by the drug formulator; the ingredients can be processed immediately.

For the special needs of injectables and transfusion liquids, we offer ingredients that are particularly low in endotoxins. In addition, we can – on request - keep record of many products with an European Drug Master File.



"Special buildings or extreme conditions require special materials. You do not come far with bad mortar. Through particular additives we can control the setting characters of cement and adjust them according to special requirements."

With the Dr. Paul Lohmann® additives you can decelerate as well as accelerate the setting characters of mortar and grout.

Furthermore, we offer mineral salts for various technical applications. We can vary many characteristics of our products to meet your requirements including parameters such as particle size, salt concentration of aqueous solutions, flowability or bulk density.

Dr. Paul Lohmann® – our products and services

CATIONS

Aluminium	Iron	Potassium
Ammonium	Lithium	Selenium
Calcium	Magnesium	Sodium
Chromium	Manganese	Strontium
Copper	Molybdenum	Zinc

ANIONS

Acetates	Glycerophosphates	Pyrophosphates
Adipates	Hydroxides	Saccharates
Ascorbates	Lactates	Selenates
Aspartates	Malates	Selenites
Benzoates	Nitrates	Silicates
Carbonates	Oxalates	Stearates
Chlorides	Oxides	Succinates
Citrates	Peptonates	Sulfates
Formates	Peroxides	Tartrates
Fumarates	Phosphates	... and many more
Gluconates	Propionates	

AVAILABLE FORMS

Powder	Encapsulated products	Granulates
Fine powder	Crystalline products	Bulk densities
Micronized powder	Fine Granulates	Solutions

Dr. Paul Lohmann® – our specialty products

Granulates

Calcium Acetate
Calcium Propionate
Potassium Acetate
Sodium Acetate
Sodium Propionate

Microencapsulated mineral salts

Copper Sulfate ET 50%
Ferrous Fumarate E 60%
Ferrous Fumarate ET 50%
Ferrous Sulfate E 50%
Ferrous Sulfate ET 50%
Ferrous Sulfate SE 50%
Magnesium Oxide E 60%
Manganese(II)-Sulfate 1-hydrate ET 50%
Zinc Oxide ET 50%

Special products for nutritional supplements

Calcium Lactate PLUS
Calcium-Inulin-Granulate
Calcium-Magnesium-Premix
Magnesium Aspartate
Magnesium Citrate

Premixes for the food- and beverage industry

Mineral blend
“Near Water Beverage”
Mineral blend “Calcium Fortification of Orange Juice”
Mineral blend
“Isotonic Beverage”
Mineral blend
“Sport Drink”
Premixes for the Calcium fortification of dairy and soy products
Dry Vinegar Powder

DC mineral salts

Calcium Carbonate DC 90S
Calcium Carbonate DC 95S
Calcium Carbonate DC 90M
Calcium Carbonate DC 95M
Calcium Carbonate DC 97P
Tricalcium Citrate 4-hydrate DC
Ferrous Fumarate DC 90S
Magnesium Carbonate DC 90S/C
Magnesium Carbonate DC 90S/F
Magnesium Hydroxide DC 90S
Magnesium Trisilicate DC 90S

Micronized mineral salts

Calcium Carbonate
Tricalcium Citrate 4-hydrate
Tricalcium Citrate, anhydrous
Ferrous Fumarate
Ferrous Gluconate
Ferrous Sulfate dried
Ferric Pyrophosphate
Trimagnesium Dicitrate
Magnesium Glycerophosphate
Sodium Benzoate
Sodium Bicarbonate
Monosodium Citrate, anhydrous
Zinc Sulfate 1-hydrate

This list is just a brief abstract of our company's attractive portfolio.

Dr. Paul Lohmann® – our specialty range

TRITURATIONS

Selenate Trit 1% C	Sodium Selenate in Calcium Carbonate
Selohvita C	Sodium Selenite (USP) in Calcium Carbonate
Selenite Trit 0.85 % - 0.99 %	Sodium Selenite (USP) in Sodium Citrate
Iodate Trit 5% TCP	Potassium Iodate in Tricalcium Phosphate
Iodate Trit 1% C	Potassium Iodate in Calcium Carbonate
Iodide Trit 1% M	Potassium Iodide in Maltodextrin
Cupromin 20	Copper(II) Sulfate 5-hydrate (Ph. Eur. / USP) in Calcium Carbonate
Cupromin 6	Copper(II) Sulfate 5-hydrate (Ph. Eur. / USP) in Calcium Carbonate
Chromium Trit 5% C	Chromium(III) Chloride 6-hydrate (USP) in Calcium Carbonate
Chromium Trit 10% C	Chromium(III) Chloride 6-hydrate (USP) in Calciumcarbonat
Chromium Trit 1% M	Chromium(III) Chloride 6-hydrate (USP) in Maltodextrin
Molybdenum Trit 1% C	Sodium Molybdate 2-hydrate (chem. pure) in Calcium Carbonate
Molybdenum Trit 1% M	Sodium Molybdate 2-hydrate (chem. pure) in Maltodextrin

In a trituration the respective trace element is diluted and homogeneously distributed in an inert carrier material such as: Calcium Carbonate, Tricalcium Phosphate, Maltodextrin or Sodium Citrate. Compared to the pure substances, triturations offer many advantages: Safe handling, easy dosing, lower toxicity and direct application and processing.

LomaSalt

LomaSalt products are proprietary combinations of various mineral salts which have a taste very similar to regular salts - while containing a lot less sodium than regular table salt. Sodium reduction ranges from 50 % up to a 100 % - a virtually sodium-free product variant. LomaSalt products provide the familiar taste profile of real table salt with regard to both flavour and intensity. A careful selection of the ingredients minimizes off-flavors or bitter notes.

LomaSalt products do not contain glutamates or other flavour enhancers such as amino acids.

All components of LomaSalt products are approved for use in food products.



Dr. Paul Lohmann® – our expertise...



... by experience

Our experience in the production of mineral salts goes back to the year 1886. At that time our company began with the production of highly pure iron for medical purposes. Today one would call it a nutritional supplement. Calcium and Magnesium salts followed around the turn of the century.

Today we offer a large assortment of mineral salts. We supply salts for the most diverse applications in the pharmaceutical, food and technical industry as well as cosmetics, nutritional supplements and animal foods.

... in cooperation

In the development of new products we strive for a close cooperation with those people who are most familiar with the eventual application: our customers. We also offer complete application support for our products.

... in quality management

Our facilities in Emmerthal and Lueneburg are GMP and DIN EN ISO-9001 certified. We put the greatest emphasis on a consistent and homogenous product quality and produce according to all international pharmacopoeia, the FCC and other international food regulations, as well as customer specifications.

... in product design

We can modify many chemical and physical parameters of our products, such as chemical purity, the pH-value, the concentration in solutions as well as an isolation of product and environment by microencapsulation.

The particle size mainly corresponds to various physical characters. We manufacture granulates with particle sizes of up to 2mm with outstanding flow ability, as well as micronized products with a particle diameter as little as 2microns. For some of our products, we can adjust the bulk density in ranges as wide as 60 g/l to 800 g/l.

If you need blends of several products, we can offer you both standard and customer-specific premixes.

In addition to the product properties, the packaging and declaration of our products can also be adjusted according to your standards.



Dr. Paul Lohmann® – faces behind the names



"A consistently high quality of our products is essentially important for constant customer relations. Regularly taken controls secure complete quality supervision: of the incoming materials and the goods to be delivered."

As a GMP and ISO certified company permanent quality controls are as natural for us as keeping various quality guidelines according to pharmacopoeia, food regulations or cultural traditions.

"In applications engineering we are confronted with new challenges every day. In close cooperation with our customers we develop particular products and processes to realize our customer's projects in an optimal way."

The capacity of our R&D laboratories has quintupled after the reconstruction in 2008. They now offer various possibilities in the development of products and applications, and give you the option to work with us on your application in our facility here in Emmerthal.



"Every day dozens of phone calls from all over the world arrive here at the front desk. At all times, the friendly contact with callers from different cultures is the business card of our company."

Our company has a long history in international business, considering linguistic, regional and cultural practices as part of good manners and a sign of respect.



"A thought-out warehouse management helps to save costs and to stay competitive on the world market."

Precise batch management and shipping on schedule minimize storage costs and fulfill our customer-specific production – from sample amounts to bulk volumes.



Dr. Paul Lohmann® about Dr. Paul Lohmann®

Extraordinary and innovative products require special people to produce them.

As a medium-sized, owner-led company in a rurally small-town region, we are especially proud to be the worldwide market leader in the production of special salts.

It is an obligation for us to be able to offer not only customary and innovative products, but also custom-made solutions for individual requirements. Our research and development department is available for combined projects in the product and application development. We do not just research for you, but with you.

Short lines of communication, fast and flexible decisions, as well as applied thinking are only a few of many factors that make us successful today and in the future. Satisfied employees, rooted in this region, but yet thinking global, make us a modern, productive and efficient company.



Our management: Dr. Uwe Günther, Jürgen Lohmann, Torsten Cuno



Our head office in Emmerthal

Our head office in Emmerthal is situated alongside the Weser river - one of the greater German streams. Hence, we feel – today more than ever – obliged to modern and sustainable environmental protection.



Our plant in Lueneburg



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