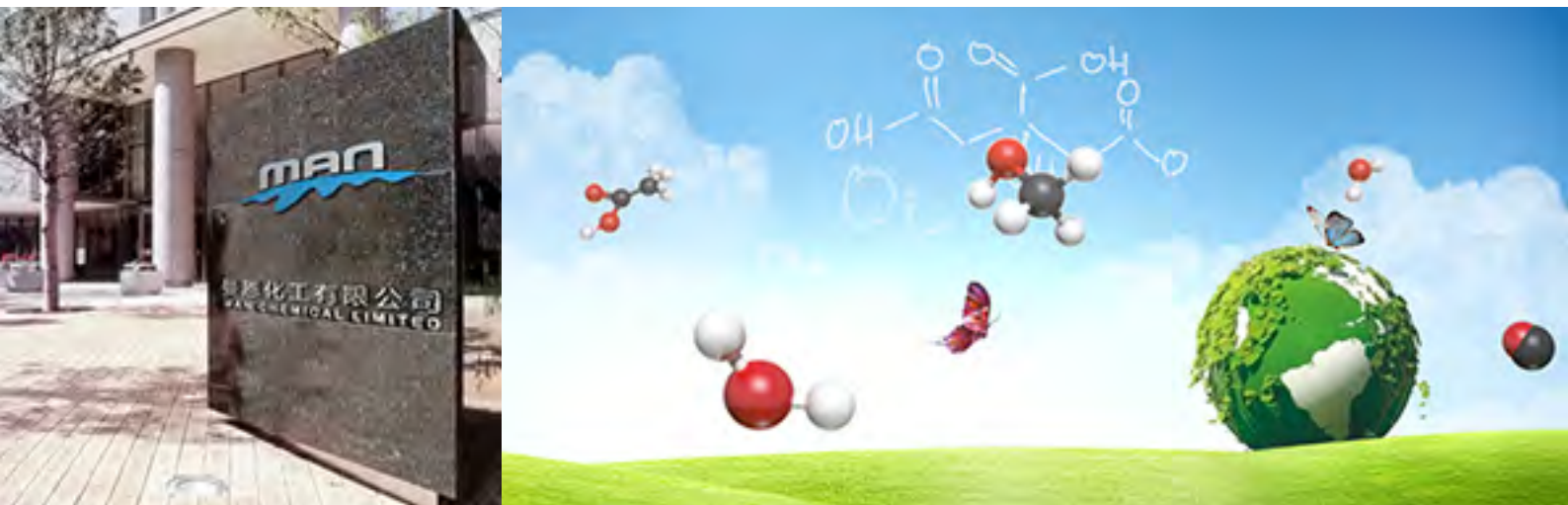




PRODUCT SUMMARY

FOOD & FEED Personal Care, Pharma



Man Chemical is a regional specialty chemical company that produces a broad range of advanced materials, additives and functional products, specialty chemicals, that are found in products people use every day. Man Chemical is focused on delivering innovative and technology-based solutions while maintaining its commitment to safety and sustainability.

With our experience accumulated for over a century, we pride ourselves as an important link between our suppliers and customers. With the assistance of its subsidiaries MAN CHEMICALS keep their suppliers and customers up-to-date regarding the most current international trends and provide an all important advantage.

From our industry specialists our customers always receive exceptional quality, problem solving solutions and technical advice for successful product implementation. A close working relationship with our partners and joint success is of utmost importance to us. It goes without saying that highest standards in storage, transportation and environmental safety are applied.

From the outset quality control has been implemented to ensure the excellence of all products and activities. Since 2008 we have been certified to the ISO standard. We offer a comprehensive range of high-quality products that are certified in accordance with DIN EN ISO 9001: 2008, HACCP and FAMI-QS. We also take part in the Responsible Care program not only in order to improve the environment, but for product responsibility and to ensure safety in the workplace and on transport.

We regularly audit our suppliers to ensure that our customers receive the highest quality of products available. We operate according to our maxim "MORE THAN EXPECTATION". We want to prove that we live up to it.



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HYDROCOLLOIDS

Agar-Agar

Carboxy Methyl Cellulose (CMC)

Carrageenan

Cassia Gum

Gelatine

Gellan Gum

Guar Gum

Gum Arabic

Hydroxypropyl Methylcellulose (HPMC)

Konjac Gum

Locust Bean Gum

Sodium Alginate

Tara Gum

Xanthan



EMULSIFIERS

DATEM / CITREM

Distilled Monoglycerides (DMG)

Mono-Diglycerides (GMS)

Polyglycerin Polyricinoleat (PGPR)



PHOSPHATES

Monocalcium Phosphate

Sodium Acid Pyrophosphate

Sodium Hexmetaphosphate



AMINO ACIDS

Arginine

Branched Chain Amino Acids (BCAA)

Carnitine

Cystein

Glutamine

Glycine

Isoleucine

Leucine

Lysine

Valine



SOY & FLOUR

Soy Flour



PRESERVATIVES

Benzoic Acid

Calcium Lactate

Calcium Propionate

L+ Lactic Acid

L-Sodium Lactate

Potassium Sorbate

Sodium Acetate

Sodium Benzoate

Sorbic Acid



VITAMINS

Beta-Carotene

Provitamin A

Coenzyme Q10

Ubiquinone

Vitamin B12

Cyano-cobalamin

Vitamin B1

Thiamin

Vitamin B2

Riboflavin

Vitamin B3

Nicotinamide, Niacin

Vitamin B5

D-Calcium-Pantothenat

Vitamin B6

Pyridoxin-hydrochlorid

Vitamin B9

Folic Acid

Vitamin C

Ascorbic Acid

Vitamin E

DL- α -Tocopherol

Vitamin H

Biotin

PRODUCTS



ANTIOXIDANTS

Ascorbic Acid (Vitamin C)

Ascorbyl Palmitate

Calcium Ascorbate

Erythorbic Acid

Sodium Ascorbate

Sodium Erythorbate



WAXES & GLAZING ANTISTICKING AGENTS

Beeswax

Carnauba Wax

Glycerin



INTENSE SWEETENERS & BULK SWEETENERS

Acesulfame Potassium

Aspartame

D-Xylose

Erythritol

Fructose

Maltitol

Neohesperidin DC

Sodium Cyclamate

Sodium Saccharin

Stevia

Sucralose

Thaumatococin

Xylitol



FLAVOR ADDITIVES

Anethole

Chinin

Ethyl Maltol

Ethyl Vanillin

Furanone

Maltol

Menthol

Propylene Glycol

Raspberry Keton

Triacetin

Vanillin



ACIDULANTS

Citric Acid

Fumaric Acid

Glucono-Delta-Lactone

Malic Acid

Tartaric Acid

Tricalcium Citrate

Trisodiumcitrate



ADDITIVES FOR ENERGY DRINKS

Caffeine

Glucuronolactone

Inositol

Taurine



INSOLUBLE DIETARY FIBERS

Apple Fiber

Bamboo Fiber

Pea Fiber

Powdered Cellulose





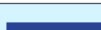


Sugarcane Fiber

Wheat Fiber

PRODUCTS



SYNTHETIC FOOD COLORS

Amaranth E 123	
Beta Carotene E 160 (a)	
Brilliant Blue E 133	
Erythrosine E 127	
Indigo Carmine E 132	
Sunset Yellow E110	
Tartrazine E102	
Titanium Dioxide E 171	



BLENDED FOOD COLORS

Customized products
Mixtures of two or more colors



NATURAL FOOD COLORS

Annatto E 160 (b)
Beetroot powder + extract
Carmine E 120
Red cabbage powder + extract
Spinach powder + extract

ADDITIVES FOR ANIMAL FEED AND PET FOOD



AMINO ACIDS

Carnitine 50%
Cystein
Glycine
Taurine
Threonine
Tryptophan

PRESERVATIVES

Calcium Formate
Calcium Propionate
Potassium Sorbate
Sodium Benzoate
Sorbic Acid



ACIDULANTS

Citric Acid
Fumaric Acid
Malic Acid

VITAMINS

Vitamin B12	Cyanocobalamin
Vitamin B2	Riboflavin
Vitamin B3	Nicotinamide, Niacin
Vitamin B6	Pyridoxinhydrochlorid
Vitamin B9	Folic Acid
Vitamin C	coated Ascorbic Acid
Vitamin E	50% Tocopheryl Acetate
Vitamin H	Biotin 2%



HYDROCOLLOIDS

Agar-Agar
Carboxy Methyl Cellulose
Cassia Gum
Guar Gum
Locust Bean Gum
Xanthan Gum

FURTHER ADDITIVES

Bentonite
D-Xylose
Fumed Silica (SiO2)
Inositol
Sodium Saccharin
Stevia



ADDITIONAL BENEFITS

LOGISTICS

WAREHOUSE LOGISTIC

We provide over 30,000 sqm warehouse space

TRANSPORT LOGISTIC

Our different entries and facilities provide an excellent logistical infrastructure with short routes to our customers.

- Import/Export FCL & LCL Shipments
- Airfreights
- Next day services within Germany

IMPORT PROCESSING

We take care of the full customs clearance processing and are directly connected with the local authorities. Our Tracking & Tracing system monitors containers while in transit anywhere around the world.

DOCUMENTATION

We provide full transportation documents including commercial invoice, certificate of origin, certificate of analysis, insurance certificate, packing list or other documents required to clear customs and/or to take delivery of the goods.

FOOD SAFETY

Our warehouse operators are trained to handle food + feed additives and they work according to the HACCP requirements.

QUALITY MANAGEMENT SYSTEM

- Supplier approval process
- Traceability
- Supplier audits
- HACCP process
- Food Safety training program
- Spot tests by accredited labs



MAN CHEMICAL



www.manchemical.com

Please note: This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.