

FOR AN OPTIMUM HEALTH PERFORMANCE

# MAGNESIL™



## MAGNESIL™

- 1<sup>ST</sup> MAGNESIUM BALANCED FORMULA
- NATURAL MINERAL EXTRACT
- TOP BIOAVAILABILITY/ABSORPTION
- SUPPORTS UP TO 10 HEALTH CLAIMS
- INTERVENTION IN UP TO 300 DIFFERENT CHEMICAL REACTIONS WITHIN HUMAN ORGANISM.
- REVERTS WIDESPREAD POPULATION MAGNESIUM DEFICIENCY
- COST-EFFECTIVE/COST-IN-USE TOP SELLING FORMULA

# WE OFFER TO YOU OUR BEST CHEMISTRY

WITH  
**MAGNESIL™**

We are  
ND Pharma & Biotech

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We are a biopharmaceutical and biotechnological company, with a solid scientific medical and biochemical foundation, and strong tradition and experience in the cosmetic and beauty field.

As science is part of our reason to exist, the foundation of every development and the light that shines after each development we made is related to the development of products and services that may help in some ways to make our lives better.

So thru publications like this one you have now in hands, is how we serve as a voice to this light in contact with our esteemed public, clients, friends, collaborators, customers and the general public.

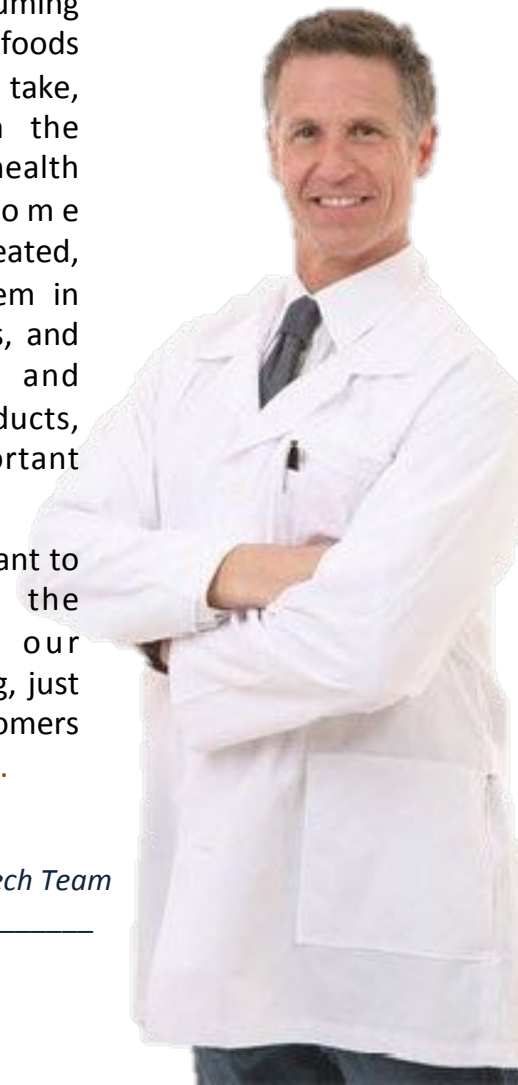
Sometimes, the labor of a company like ND Pharma & Biotech may be relegated to a second stage as we do not sell or produce (barely) finished products to the final consumer.

But our importance is capital, when each person can, without knowing it effectively, are consuming our products within foods or medications they take, or benefiting from the food safety and health impact that some developments we created, are providing to them in different applications, and cosmetics, beauty and personal care products, conforms an important part of our supplies.

This is the way we want to participate within the improvement of our society and wellbeing, just giving to our customers the better of the best.

*The ND Pharma & Biotech Team*

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## Why ND Pharma & Biotech?

Because we know how to do it right.

**Our Company has the most complete offer of ingredients and compounds for the Industry. + [178.000 References of Product](#)**

- Tradition and many years experience in Food & Nutrition Industry R+D+i
- Scientifically Sounded and Science-Platform integrated offer.
- Top world-class quality of products.
- Complex production basis with access to qualified staff.
- Complex scientific base and growing investments in R+D+i.
- Experience in International Markets.
- Experience in contracting, both as CRO and CMO.
- Flexible and adaptive structure.
- Convenient location of our production centres.
- High experience in logistics and delivery for a better service.

# MAGNESIUM IS ESSENTIAL FOR A HEALTHY LIFE

**MAGNESIUM IS AN ESSENTIAL MINERAL NUTRIENT THAT PLAYS AN IMPORTANT ROLE IN DIFFERENT BODY FUNCTIONS FROM ENERGY METABOLISM, MINERAL HOMEOSTASIS AND ENDOCRINE AND NEUROMUSCULAR FUNCTIONS.**

**NOW ND Pharma & Biotech offers the best solution to deal with MAGNESIUM DEFICIENCIES\*** (According different studies 68% of population in industrialized countries suffer from this condition)

## **MAGNESIL™ IS A SOURCE OF TOP BIOAVAILABLE MAGNESIUM**

Its unique mineral profile and origin conforms a sodium-reduced chloride-minimum magnesium source with an on-demand magnesium content and top absorption and bioavailability performance.

## **APPROVED NUTRITIONAL HEALTH CLAIMS**

MAGNESIL™ is a source of magnesium allowing nutritional health claims as:

- 1) source of magnesium**
- 2) rich in magnesium**

Magnesium is an essential nutrient and acts as co-factor for more than 300 enzymes involved in the biological process and the sustain of an homeostatic balance and healthy life impacting in a number of health disorders, conditions and secondary diseases from anxiety to cramps, cardiovascular disorders, bone health, growth, and many more.

### **THE 10 EFSA HEALTH CLAIMS FOR MAGNESIUM\***

Reduction of tiredness and fatigue
Normal psychological functions
Normal muscle function
Normal neurotransmission
Normal protein synthesis
Electrolyte balance
Maintenance of normal bone
Normal cell division
Maintenance of normal teeth
Normal energy-yielding metabolism

Approved by Regulation EC 432/2012

**EFSA scientific panel has approved 10 health claims for magnesium.**

MAGNESIL™ at a dose of 100 mg/day qualifies for nutritional health claims according existing regulations.

[www.ndpharmabiotech.com](http://www.ndpharmabiotech.com)

**MAGNESIL™ is standardized in different presentations in regard of concentration**

**MAGNESIL™ 20 · 100% SOLUBLE EXTRACT POWDER WITH 20 % MAGNESIUM · FOOD & BEVS**

**MAGNESIL™ 40 · 100% SOLUBLE EXTRACT POWDER WITH 40 % MAGNESIUM · FOOD & BEVS**

**MAGNESIL™ 60 · 100% SOLUBLE EXTRACT POWDER WITH 60 % MAGNESIUM · FOOD & BEVS**



## FICHA TÉCNICA DE PRODUCTO

### MAGNESIL™ 20

- 1. Nombre de la Firma:** ND Pharma & Biotech
- 2. Nombre del producto:** MAGNESIL™ 20.
- 3. Marca Comercial:** MAGNESIL™
- 4. Fabrica productora y dirección, provincia o país:** Manresa, Barcelona.
- 5. Empresa o firma que lo produce:** ND Pharma & Biotech
- 6. Sinónimo** Magnesio Alimentario en solución al 23% (*Aditio*) Anexo II Reglamento CE 1925/2006 y Reglamento CE 1170/2009
- 7. Características:** Ver especificación adjunta.
- 8. Modo de empleo y dosificación:** La dosificación podrá variar en función al tipo de producto elaborado en el que se pretenda incorporar.
- 9. Caducidad:** 24 meses en correctas condiciones de conservación y almacenaje.
- 10. Descripción. Función o Efecto:** El Magnesio es un mineral esencial como nutriente que juega un importante papel en diferentes funciones corporales desde el metabolismo de la energía, la homeostasis mineral y ciertas funciones neuromusculares y endocrinas. La EFSA ha aprobado 10 “Reclamaciones Saludables” (Health Claims) para el Magnesio, de acuerdo con el Reglamento CE 432/2012 (Consultar Folleto). El Magnesio actúa como co-factor para más de 300 enzimas involucradas en el proceso biológico y en el sostenimiento del equilibrio homeostático y la salud con impacto en una serie de desordenes y condiciones secundarias desde la ansiedad hasta los calambres, los problemas cardiovasculares, la salud ósea, el crecimiento y muchas más.
- 11. Materias primas empleadas o composición:** Las descritas
- 12. Especificaciones de identidad y pureza:** (Según las recomendaciones de la JECFA/Especifications for identity and purity FAO Food and Nutrition Paper) Pureza: Mínimo 20% de contenidos totales de la solución.
- 13. Breve descripción del proceso tecnológico:** n/a.
- 14. Tipo de envase utilizado:** Envases de 1.000 Litros de producto. (Densidad 1:1)
- 15. Etiquetado:** Según CODEX STAN 107Y1981, NORMATIVA EUROPEA Y NACIONAL. Este producto en sus aplicaciones tecnológicas básicas no precisa de etiquetado de acuerdo con el Reglamento 1169/2011. (Ciertas restricciones se aplican).
- 16. Condiciones de almacenamiento y/o conservación:** Almacenar fuera del alcance de la luz.

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**ND Pharma & Biotech Co.**  
www.ndpharmabiotech.com  
**INTABIOTECH<sub>SLU</sub>**  
Entidad comercializadora  
www.intabiotech.com

**Certificado de Análisis – Especificación de Venta**  
**MAGNESIL™ 20**  
**CONT – 1000**

**Fórmula química:** MgCl<sub>2</sub>

**Aspecto:** Ligeramente opalescente.

<b>DESCRIPCIÓN CARACTERÍSTICA</b>	<b>UNIDAD</b>	<b>MÍNIMO</b>	<b>MÁXIMO</b>	<b>TÍPICO</b>
Amonio	%		0,0050	
Arsénico	ppm		3,0	
Bromuros	%		0,7000	
Calcio (CaCl <sub>2</sub> )	%		0,1000	
Cloruro de magnesio anhidro	%	22,0000	24,0000	
Densidad a 20 °C	g/cm <sup>3</sup>	1,2028	1,2206	
Hierro	ppm		15,00	
Mercurio	ppm		1,0	
Plomo	ppm		2,00	
Potasio (KCl)	%		0,8000	
Sodio (NaCl)	%		0,9000	
Sulfato de magnesio	%		0,6000	
Aspecto de la solución			Correcto	

**Observaciones:**

Este producto E 511 cumple con el Reglamento 231/2012 por el que se establecen criterios específicos de pureza de los aditivos alimentarios.

La información suministrada en este documento está basada en nuestro conocimiento y experiencia, por lo que, salvo los datos indicados en el apartado "mínimo" o "máximo", se facilita sin ningún tipo de compromiso por nuestra parte. El uso y aplicación de nuestros productos están fuera de nuestro control y, por consiguiente, bajo la responsabilidad del comprador. Salvo aceptación expresa, nuestros productos son vendidos bajo las condiciones generales de venta y suministro establecidas.

**Note/Nota:**

This CofA is digitally signed by ND Pharma & Biotech Research Labs Deputy, so therefore is valid without other signature. Documento generado electrónicamente. Válido sin firma.

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ND Pharma & Biotech is a biopharmaceutical company that discovers, develops and commercializes innovative products and therapeutics in areas of unmet medical, food, nutritional, agro, industrial and many other needs. The company mission is to advance the care of people suffering from certain diseases, worldwide and to make life better promoting green chemistry issues and removing certain chemical toxics from our daily lives. Company also acts as a chemical supplier and molecular provider including certain rare molecules and hard-to find compounds, APIs Intermediates, Reactives, etc. Headquartered in Surrey, England, UK, ND Pharma & Biotech Company has operations worldwide thru a network of commercial and industrial partners, both companies and/or corporations.

PreserFood, Acarisin, Moldstop, Mycostop, Glaice, Lactolife, Acqualife, SterilFood, Fruitfresh, Kangen, Alkiow, Noopeptil, Nooglutil, Inofish, Zoeltar, Bacterskin, Bacterskin 5000, Pinolipol, Veri-K and Veri-K Series, X-Fresh, Acnifol, Glicospart, Mitoprotect, Citrusol, Inusol, Stevisol, Sucrasol, Acek 250, PureATP, Aminoprot 100, Asparsol, EcoEff, Anisakill, Calcor, Ferristat, Chiknsafe, Cocqwa, Maltolan DRM, Monki, Peppersol, Reduxalt, Vegafresh, Sugar 50, Sugar 20, Florafresh, FishFresh, Zelltem, Tancream, Psoriacrem, Ovofresh, Xantamar, Mohostop, PS454 Nitroboost, PS452 Glicoboost, M.A.R.S. (Micro Alcohol Reaction System) and many others, are registered trademarks of ND Pharma & Biotech Co. Ltd. And/or some of its related companies. Marks may not be available everywhere.

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