



RIBODIET®



BOOSTING NATURE
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WHAT IS RIBODIET®

Ribodiet® is a new natural product extracted from yeast cell via a standardized and highly controlled process organic solvent free.

Ribodiet® is a source of nucleotides, nucleosides, oligo nucleotides, ribonucleic acids fragments, aminoacids, minerals and group B vitamins.

All these naturally occurring nutrients represent a pool of active and beneficial ingredients.

“ Nucleotides have been commercially used in human infant formulas for many years, as a way of improving gastric development and early immune function.

(Helembai et al., 2006; Ruihua et al., 2006)

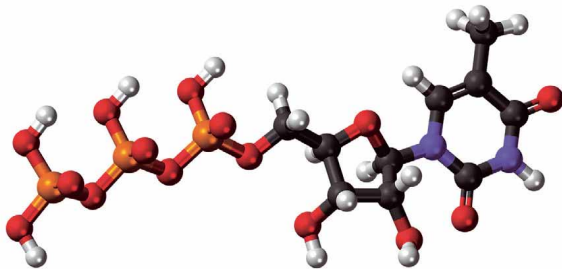
NUCLEOTIDES



What they are

Nucleotides are low-molecular-weight intracellular compounds that participate in numerous biochemical processes.

They consist of a nitrogenous base (pyrimidine or purine) linked to a pentose (ribose or deoxyribose) sugar to which one, two or three phosphate groups are attached.



In the cell they have several functions:

STRUCTURAL

Nucleic Acids (RNA, DNA)

CARRIERS

Energy transport (ATP, ADP, AMP)

CO-ENZYMES

Key role in synthesis of proteins, fats and carbohydrates metabolism

MESSENGERS

Intracellular signal transduction

ABOUT RIBODIET®



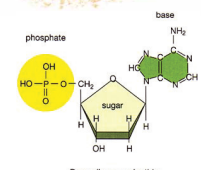
How benefit from nucleotide use

De novo synthesis does not satisfy the nucleotides requirements of many tissues and particular life physiological phases, making necessary a reinforcement by dietary source.

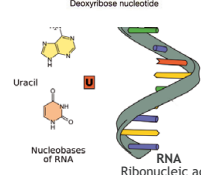
Particularly, some cells at high turn-over rate, such as gut, immune system and cerebral ones (lymphocytes, erythrocytes, bone marrow cells, glial cells) are not able to produce enough nucleotides to cover their needs.



Obtained from Yeast's RNA enzymatic Hydrolysis



Very high concentrate source of free natural 5' nucleotides



Also source of:

- Nucleosides
- Oligonucleotides

RIBODIET® TECHNICAL DATA



PROCESS

An environment-friendly manufacturing process of PROSOL.

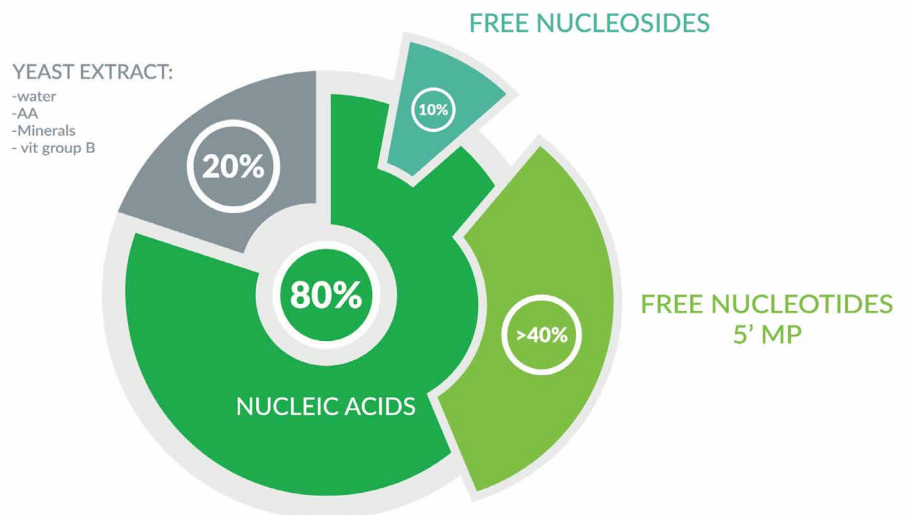


COMPOSITION

In the extraction process are involved only:



Free 5'-monophosphate nucleotides content > 40%.
Quality control by HPLC analysis (internal validated method).



Typical amino acids, vitamins and minerals Ribodiet® profile

Aminoacids (per 100 g)	Quantity
Aspartic Ac. incl. Asparagine	1.4 g
Glutammico Ac. incl. Glutamine	2.1 g
Alanine	0.8 g
Arginine	0.7 g
Glycine	1.6 g
Lysine	1.1 g

Vitamins (per Kg)	Quantity
B2 (Riboflavine)	88 mg
PP (Nicotinic Ac. and nicotinamide)	69 mg
B6 (Pyridoxine)	6 mg
B12 (Cyanocobalamin)	23 µg
Pantotenic Ac.	32 mg
Folate	2.05 mg

Minerals (per 100g)	Quantity
Ca	512 mg
P	5.5 g
Mg	186 mg
K	240 mg
Na	6.1 g
Zn	2.6 mg

Ribodiet® Technical Specifications

Organoleptic Characteristics	
Aspect	powder
Color	brownish
Chemical-Physical Characteristics	
Particle size (µm)	<125
Density (g/ml)	0.4 - 0.5

RIBODIET®

BENEFITS



Immune system
Gut barrier health
Sport nutrition
Cognition/Concentration
Iron absorption

APPLICATIONS



Capsules
Tablets
Sachets
Liquids

SUGGESTED DOSAGE



50 - 350 mg per day

STATEMENTS



Halal, Kosher certified
Suitable for Vegans
Non-GMO

REFERENCES

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This marketing document concerns industry professionals. It only pertains to food ingredients not final food products. It is the responsibility of each manufacturer to verify the compliance of the final product's labeling and communication indicated on the finished foods to be delivered as such to the consumer with respect to the current local legislation. In Europe, this is based on regulation (EC) No 1924/2006 on nutrition and health claims.



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