



OUR PRODUCT

FOODSOLUTE®

GERMSOL SPERMIDINE



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WHAT IS SPERMIDINE?

Spermidine is a natural component of all living organisms. It is present in all our body cells and is significantly related to cell growth. Spermidine is the only endogenous which has a positive effect on autophagy (the body's own recycling process), which makes the substance very interesting for research. For example, spermidine is said to protect against diseases and slow down the ageing process in this way.

BENEFITS OF SPERMIDINE:

- Positive influence on autophagy (body's own recycling process)
 - Cell purification
 - Cell growth
- May influence healthy ageing and the slowing of the ageing process
- Can have a positive influence on the protection against diseases
- High natural content of vitamin E
- Versatile use (baked goods, bars, cookies, drinks, pasta)
- Highly functional ingredient for healthy food

APPLICATION AREAS:

- Baked goods
- Muesli
- Muesli bars
- Pasta
- Spreads
- Smoothies
- Food Supplements
- Sports Nutrition



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DESCRIPTION:

Tender wheat germ concentrate fine flakes with high spermidine content.
Gently stabilized, slightly nutty taste.

BAKERY:

At a dosage of approx. 2 % (calculated on flour, baker's percent) substantial enrichment of the baked goods with spermidine.

OTHER FOODS OR DIETARY SUPPLEMENTS:

Dosage recommendation of Spermidine on request.

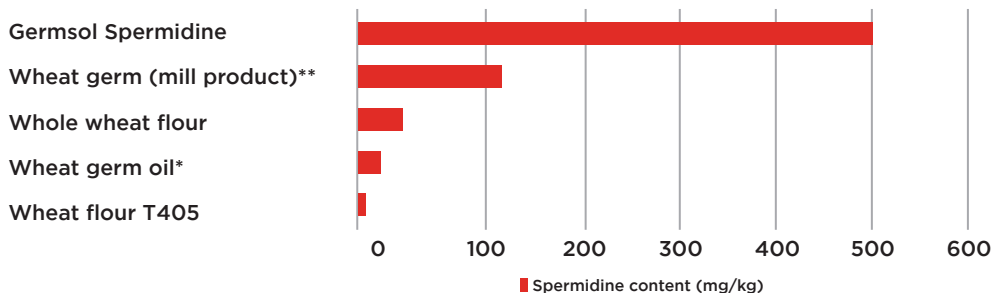
HOW WE OBTAIN OUR GERMSOL SPERMIDINE?

Wheat germ accounts for 2 - 3 % of the total weight of a mature wheat kernel. Only particularly pure wheat lots are suitable for wheat germ extraction. The milling yield in the production of *GERMSOL SPERMIDINE* wheat germ concentrate is only 0.2 % of the wheat grain; i.e. only 10 % of the biologically available wheat germ is obtained.

GERMSOL SPERMIDINE wheat germ concentrate is gently thermally stabilized after drawing, so that the product has a very good shelf life. The purity and nutritional values of *GERMSOL SPERMIDINE* wheat germ concentrate are controlled and ensured by elaborate analytical measures.

SPERMIDINE CONTENT

FOODSOLUTE® GERMSOL SPERMIDINE (mg/kg)



* Source: <https://spermidin.health/>

** Analytical mean



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Average nutritional values*		
Designation	Unit	Per 100 g product
Energy	kJ/kcal	1554/371
Fat	g	9.8
thereof: saturated fatty acids	g	1.3
Carbohydrates	g	31
thereof: sugar	g	16
Protein	g	31
Salt**	g	0.01

Vitamins and minerals*			
Designation	Unit	Per 100 g product	NRV
Vitamin E	mg / 100 g	16.7	139 %
Thiamine (vitamin B1)	mg / 100 g	1.9	172 %
Riboflavin (vitamin B2)	mg / 100 g	0.42	30 %
Vitamin B 6	mg / 100 g	1.5	107 %
Folic acid	mg / 100 g	174	87 %
Potassium	mg / 100 g	1094	54 %
Phosphorus	mg / 100 g	848	121 %
Magnesium	mg / 100 g	218	58 %
Iron	mg / 100 g	8.5	60 %
Zinc	mg / 100 g	14.4	140 %

*The values are subject to natural fluctuations.

**Calculation salt: 2.5 X content of sodium in g (according to Food Information Regulation (EC) No. 1169/2011)

Produktspezifische Werte		
Designation	Unit	Tolerances
Humidity	%	< 8
Granulation 300 - 1400 µm	%	Approx. 94
Granulation < 300 µm	%	Approx. 6
aW value		< 0,5
Dietary fiber	g / 100 g	15 – 23
Spermidine	mg / kg	> 500
Bulk weight	g / ml	0,3 – 0,4

Th. Geyer Ingredients GmbH & Co. KG

Tel.: +49 5531 7045-0

Fax: +49 5531 7045-200

ingredients@thgeyer.de

www.thgeyer.com

