

# DAOfood® Plus



National code: 195200.4 / RGSEAA 26.11864/B

Food for Special Medical Purposes

## DAO enzyme

### Dietary management of DAO deficiency

- Contains **DAO ENZYME** (Diamine Oxidase). Also contains vitamin C and quercetin that act as adjuvants on the dietary management of DAO deficiency.
- The active ingredient is a Novel Food according to the EU Regulation 2015/2283.
- Acts **metabolizing ingested histamine** in the diet, preventing its accumulation in the blood and avoiding the appearance of symptoms.
- **Restore the optimal activity DAO levels** thanks to its structural and functional equivalence with the human DAO, avoiding histamine absorption.
- The DAO enzyme contained in DAOfood®Plus presents an enzymatic activity of **>0,41 mU per capsule** (>20.000 HDU)

#### What is DAO?

DAO is the main enzyme for the metabolism of ingested histamine. It is mainly located in the intestinal epithelium, where it absorbs and degrades the ingested histamine preventing it from passing into the bloodstream.

#### What is histamine?

Histamine is an essential molecule, a transmitter that belongs to the so called group of biogenic amines and that is naturally present in many foods as well as inside of our cells. Normally, the intake of histamine contained in food does not cause any problem, since it is quickly processed and metabolized by the Diamine Oxidase enzyme (DAO).

#### What is DAO deficiency?

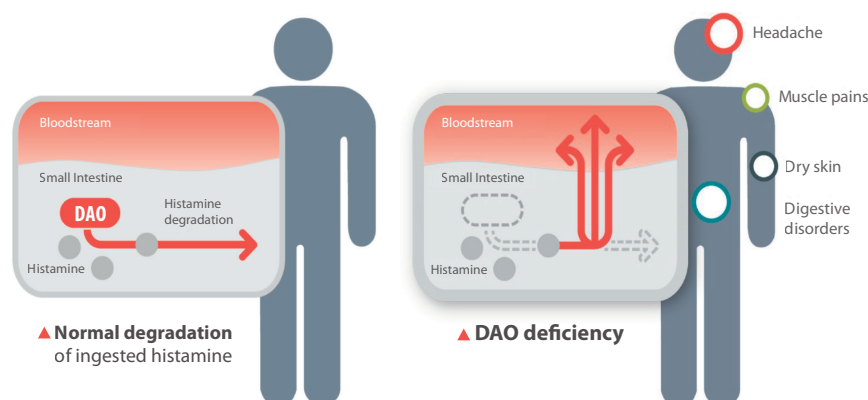
It refers to a deficiency in DAO metabolism activity or when there is an imbalance between the ingested histamine and the enzyme capacity to metabolize it. As histamine has not been properly metabolized and degraded, it passes into the bloodstream triggering different symptoms. The most common symptomatology of DAO deficiency is:

- Digestive disorders such as bloated feeling, flatulence, constipation or diarrhoea.
- Pain and muscle contractures and osteopathic pain.
- Skin disorders, such as dry or atopic skin.
- Non-allergic rhinitis.
- Tinnitus.
- Migraine and other headaches.

#### How does DAOfood® Plus work?

The DAO contained in DAOfood® Plus serves as a supplement to the enzyme found in the body, which oversees metabolizing histamine. Taking one capsule of DAOfood® Plus before each meal increases the amount of DAO in the small bowel and therefore also boosts histamine degradation. This accelerates the processing of the histamine found in different foods in the digestive tract, which triggers the symptoms.

The DAO enzyme contained in DAOfood acts only in the intestine, is not absorbed and has no systemic activity, hence it is considered a harmless product with no adverse effects.



# DAOfood® Plus

## DAO enzyme Dietary management of DAO deficiency

### What does DAOfood® Plus contain?

**INGREDIENTS:** Bulking agents: Microcrystalline cellulose and Hydroxypropyl cellulose; Quercetin; potato starch; L-ascorbic acid (vitamin C); Glazing agents: Ethyl cellulose; Protein extract from pig kidneys with 7% Diamine Oxidase (DAO); Bulking agent: Hydroxypropyl methylcellulose; Stabilisers: Magnesium stearate, Alginate sodium; Rice starch, Medium-chain triglycerides; Stabiliser: Stearic acid, Oleic acid, dicalcium phosphate; Colour: Caramel; Vegetable capsule: Hydroxypropyl methylcellulose

DAOfood® Plus Eficaps® capsules contain gastro-resistant tablets with controlled release DAO in the intestine that prevent stomach acid pH and tablets that guarantee the immediate release of adjuvant active ingredients.

Each capsule contains four tablets:

- 2 DAO white/beige gastro-resistant tablets with release into the intestine
- 1 brown tablet for immediate release with vitamin C
- 1 green tablet for immediate release with quercetin

### How should DAOfood® Plus be used?

The capsule should be swallowed whole with some water, 20 minutes before the main meals (3 times a day). If you are unable to swallow it whole, please open it and ingest the tablets from its interior separately, swallowing them whole without chewing, splitting or breaking them.

### DAOfood® Plus Nutritional Information

Nutritional Information	Per capsule	Per 100g
Energy	10,14 kJ/2,39 Kcal	1.659 kJ/391 kcal
Fat	0,008 g	1,3 g
Carbohydrate	0,57 g	93,8 g
of which: Sugars	0,023 g	3,7 g
Protein	0,006 g	1 g
Salt	0,002 g	0,358 g
<b>Protein extract from pig kidneys</b>	<b>4,2 mg</b>	<b>0,687 g</b>
<b>Diamine Oxidase (DAO)</b>	<b>0,3 mg</b>	<b>0,049 g</b>
Quercetin	40 mg	6,547 g
Vitamin C	20 mg	3,273 g
Sodium	0,87 mg	0,143 g

DAOfood® Plus does not contain the ingredients referred to in Annex II of the Regulation (EU) No. 1169/2011.

### Conservation

DAOfood® Plus contains DAO, a thermolabile enzyme (sensitive to temperature), being advisable to keep it away from sources of heat. If consumed according to the dose recommended daily intake, does not require a special conservation, but if exceptionally consumes sporadically, being stored for long time, it is advisable to keep it in fridge.

### LOGISTICAL INFORMATION

Reference code : DAO60PLUS			
Net weight	36,66 g	Cases per layer	9
Item dimensions (cm) L x W x H	11,4 x 6,2 x 7,7	Layers per pallet	5
EAN 13	8437009482933	Cases per pallet	45
Case dimensions (cm) L x W x H	45 x 17 x 24	Units per pallet	1260
Units per case	28	Pallet dimensions (cm) L x W x H	120 x 80 x 138

DR Healthcare is a leading biomedical company in research, development, innovation and manufacturing of nutraceutical products aimed at the dietary management of DAO deficiency and its associated pathologies.

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