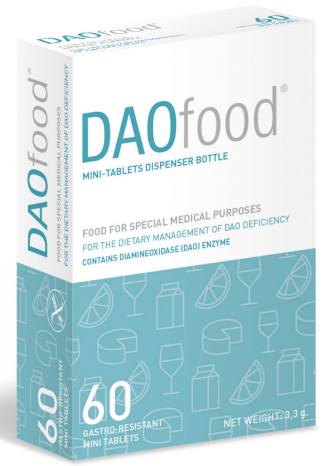


# DAOfood®



National code: 185940.2 / RGSEAA 26.11864/B

Food for Special Medical Purposes

## DAO enzyme

### Dietary management of DAO deficiency

- Contains **DAO ENZYME** (Diamine Oxidase).
- 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® presents an enzymatic activity of **>0,41 mU per tablet** (>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 de bloodstream triggering different symptoms. The most common symptomatology of DAO deficiency is:

**Migraine and headaches. The 87% of the patients with migraine diagnosis have a reduced or a very reduced DAO enzyme activity.**

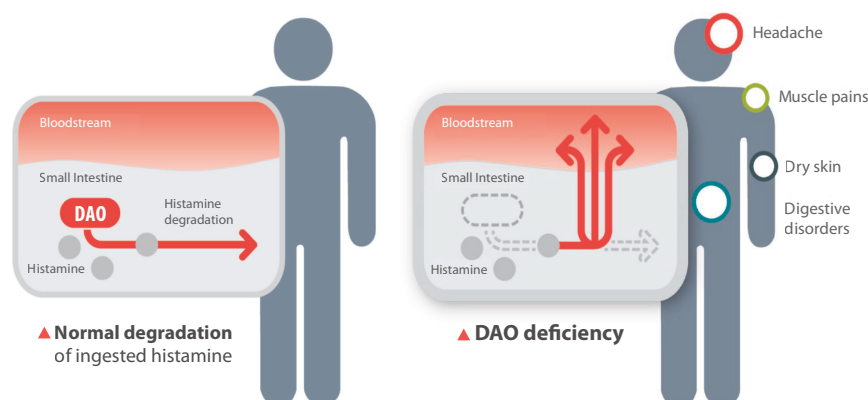
Although other symptoms may occur such as:

- 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.

#### How does DAOhead® work?

The DAO contained in DAOhead® serves as a supplement to the enzyme found in the body, which oversees metabolizing histamine. Taking one capsule of DAOhead® 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 DAOhead 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®

## DAO enzyme Dietary management of DAO deficiency

### What does DAOfood® contain?

INGREDIENTS: Bulking agent: Cellulose microcrystalline and hydroxypropylcellulose; Protein extract from pig kidneys 7% diamine oxidase (DAO); Glazing agent: ethylcellulose; potato starch; Stabilisers: sodium alginate and magnesium stearate; medium chain triglyceri-des; Glazing agent: hydroxypropylmethyl cellulose; stabilisers: oleic acid and stearic acid.

DAOfood® consists on gastro-resistant tablets with controlled release DAO in the intestine that prevent stomach acid pH.

### How should DAOfood® be used?

Tablets should be swallowed whole with some water, 20 minutes before the main meals (3 times a day), swallowing them whole without chewing, splitting or breaking them.

### DAOfood® Nutritional Information

Nutritional Information	Per capsule	Per 100g
Energy	0,6 kJ/0,15 Kcal	1070 kJ/261 kcal
Fat	2 mg	3,6 g
Carbohydrate	10,6 mg	18,9 g
of which: Sugars	< 0,3 mg	< 0,5 g
Protein	0,0029 g	5,2 g
Salt	0,6 mg	1 g
<b>Protein extract from pig kidneys</b>	<b>4,2 mg</b>	<b>7,5 g</b>
<b>Diamine Oxidase (DAO)</b>	<b>0,3 mg</b>	<b>0,5 g</b>
Sodium	0,24 mg	400 mg

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

### Conservation

DAOfood® 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 : DAO60DI

Net weight	3,3 g
Item dimensions (cm) L x W x H	23 x 52 x 80
EAN 13	8437009482902
Case dimensions (cm) L x W x H	28 x 35 x 32
Units per case	216

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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