

Egyptian Herbal Monograph

Volume 3

Herbal Formulations used in Egypt

Egyptian Drug Authority (EDA)

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Caraway oil, Dill oil

زيت كراوية / زيت شبت

1. Names & Synonyms

Caraway (1)

***Carum carvi* L.**

Family: Apiaceae (Umbelliferae)

Syns.: *Carum velenovskyi* Rohlena

Arabic: كراوية

English: Caraway

Dill (2)

***Anethum graveolens* L.**

Family: Apiaceae (Umbelliferae)

Syns: *Pastinaca anethum* Spreng., *Peucedanum graveolens* Benth. & Hook.,
Selinum anethum Roth.

Arabic: شبت

English: Dill

2. Parts used for medicinal purpose

Caraway oil: Dried ripe fruits (3, 4).

Dill oil: Dried ripe fruits (2).

3. Major chemical constituents

Caraway oil: Carvone and limonene (5).

Dill oil: Carvone, limonene, α -phellandrene, dihydrocarvone, dillapiole (6),
1,8 cineole, α -pinene and α -terpene (2).

4. Medicinal uses (Indications)

A) For the symptomatic relief of digestive disorders such as bloating, flatulence, dyspepsia and digestive spasms (3,7).

B) Stimulate appetite (stomachic) (8).

C) Carminative and spasmolytic in infantile colic (9).

5. Herbal preparations correlated to medicinal use

Combination of Caraway oil and Dill oil.

Herbal preparations are in liquid pharmaceutical dosage forms. The pharmaceutical form should be described by the pharmacopoeia full standard term.

6. Posology and method of administration correlated to medicinal use

Infants and children

Infants up to 6 months:

0.00915 mg Caraway oil and 1.15 mg Dill oil, 2-3 times daily.

Infants 6 -12 months:

0.0183mg Caraway oil and 2.3mg Dill oil, 3 times daily.

2.5mg Caraway oil and 2.25mg Dill oil, 2-3 times daily. 5mg Caraway oil and 0.25mg Dill oil, 2 times daily.

Children above one year:

0.0366 mg Caraway oil and 4.6 mg Dill oil, 3 times daily.

Children above four years:

0.0549 mg Caraway oil and 6.9 mg Dill oil, 3 times daily.

Duration of use:

If the symptoms persist longer than one week a doctor or pharmacist should be consulted.

Method of administration: Oral use

(3,4,8). To be used under medical supervision.

7. Contraindications

- Hypersensitivity to active substances and to other plants of the same family.
- Gastroesophageal reflux disease (10).
- The use in liver disease, cholangitis, achlorhydria, gallstones and any other biliary disorders is not recommended (7).

8. Special warnings and precautions for use

- If the symptoms worsen during the use of the medicinal product, a doctor or a pharmacist should be consulted (3,7).
- To be used under medical supervision.

9. Interactions with other medicinal products and other forms of interaction

None reported (3,7).

10. Fertility, pregnancy and lactation

Not relevant

11. Effects on ability to drive and use machines

Not relevant

12. Undesirable effects

- If adverse reactions occur, a doctor or a pharmacist should be consulted.
- Anorexia, diarrhea, skin redness and irritation may occur (10).
- May alter sodium balance and cause allergic reaction (10, 11).

13. Overdose

An intake of over dose of the medicinal product for extended periods may lead to kidney and liver damage (10-12).

14. Relevant biological properties

Not required as per Egyptian guidelines for registration of herbal medicines.

15. Additional information

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16. Date of compilation/last revision

20/8/2023.

References

1.	Duke, J. A. (2002). Handbook of Medicinal Herbs. 2 nd ed. CRC Press. ISBN 978084931284.
2.	WHO monographs on selected medicinal plants (2007). Monographs on selected medicinal plants, 3, 33-41.
3.	European Union Herbal Monograph on <i>Carum carvi</i> L., Fructus (2015). EMA/HMPC/715092/2013. Committee on Herbal Medicinal Products (HMPC).
4.	ESCOP Monographs (2019). <i>Carvi aetheroleum</i> , Caraway Oil. European Scientific Cooperative on Phytotherapy. Edited by Roberta Hutchins and Simon Mills. ISBN 978-1-901964-65-3.
5.	Mahboubi, M. (2019). Caraway as important medicinal plants in management of diseases. <i>Natural Products and Bioprospecting</i> , 9, 1-11. https://link.springer.com/content/pdf/10.1007/s13659-018-0190-x.pdf
6.	Said-Al Ahl, H., Gendy, A. G. and Omer, E. A. (2016). Humic acid and indole acetic acid affect yield and essential oil of dill grown under two different locations in Egypt. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 8, 146-157.
7.	European Union Herbal Monograph on <i>Carum carvi</i> L., aetheroleum (2015). EMA/HMPC/715094/2013. Committee on Herbal Medicinal Products (HMPC)
8.	Natural Health Product, Caraway - <i>Carum carvi</i> (2019). Health Canada, http://webprod.hcsc.gc.ca/nhpdbdipsn/atReq.do?atid=caraway.carvi&lang=eng .
9.	Wren, R. C. (1988). Potter's New Cyclopaedia of Botanical Drugs and Preparations. Completely revised by Elizabeth M. Williamson and Fred J. Evans. C. W. Daniel Company, Ltd, Saffron Walden.
10.	Skidmore-Roth, L. (2010). Mosby's Handbook of Herbs and Natural Supplements 4 th ed., ISBN: 978-0-323-05741-7.
11.	Kraft, K. and Hobbs, C. (2004). Pocket Guide to Herbal Medicine. Stuttgart; New York: Thieme. ISBN 3-13-126991-X (GTV), ISBN 1-58890-063-0.
12.	PDR for Herbal Medicines (2002). Montvale, NJ: Medical Economics Company, 2 nd ed., ISBN 1-56363-361-