

**CORIANDER
FOR HOMOEOPATHIC PREPARATIONS**

**CORIANDRUM SATIVUM
FOR HOMOEOPATHIC PREPARATIONS**

Coriandrum sativum ad praeparationes homoeopathicas

The herbal drug complies with the requirements of monograph *Coriander* (1304).

STOCK

DEFINITION

Coriander mother tincture complies with the requirements of the general technique for the preparation of mother tinctures (see *Homoeopathic Preparations 1038* and French Pharmacopoeia Authority Supplement). The mother tincture is prepared with ethanol (65 per cent V/V), using the dried fruit of *Coriandrum sativum* L.

CHARACTERS

Appearance: pale yellow liquid.

IDENTIFICATION

Thin-layer chromatography (2.2.27).

Test solution. To 20 mL of mother tincture, add 20 mL of *water R*. Extract with 2 quantities, each of 20 mL, of *hexane R* and collect the organic phases. Dry over *anhydrous sodium sulphate R* then, evaporate under reduced pressure at room temperature. Dissolve the residue in 1 mL of *methanol R*.

Reference solution. Dissolve 0.1 mL of *linalol R*, 50 mg of *geranyl acetate R* and 50 mg of *geraniol R* in 50 mL of *ethanol (96 per cent) R*.

Plate: TLC *silica gel plate R*.

Mobile phase: *ethyl acetate R*, *hexane R* (15:85 V/V).

Application: 30 mL, as bands.

Development: over a path of 10 cm.

Drying: in air.

Detection: spray with *anisaldehyde solution R*. Heat to 100-105 °C for 10 min. Examine in daylight.

Results: see below the sequence of zones present in the chromatograms obtained with the reference and test solutions. Furthermore other faint zones may be present in the chromatogram obtained with the test solution.

The General Chapters and General Monographs of the European Pharmacopoeia and Preamble of the French Pharmacopoeia apply.

Top of the plate	
Geranyl acetate: a purple zone -----	A purple zone -----
Linalol: a purple zone -----	A purple zone (linalol) -----
Geraniol: a purple zone	A purple zone (geraniol)
Reference solution	Test solution

TESTS

Ethanol (2.9.10): 60 per cent V/V to 70 per cent V/V.

Dry residue (2.8.16): minimum 0.4 per cent *m/m*.

The General Chapters and General Monographs of the European Pharmacopoeia and Preamble of the French Pharmacopoeia apply.

French Pharmacopoeia 2003