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Patent Search

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Abstract:

ANTACID HERBAL NANOEMULSION FORMULATION AND PREPARATION METHOD THEREOF The present invention provides a herbal nanoemulsion formulation. The herbal nanoemulsion formulation of present invention comprises of Trachyspermum ammi essential oil, Trachyspermum ammi extract, Piper betel extract and pharmaceutically acceptable additives such as Tween 20 (surfactant) 10 ml, ethanol (co-surfactant) 3.3 ml and distilled water q. s. The ratio of surfactant and co-surfactant in herbal nanoemulsion formulation is 3:1. The ratio of oil phase and mixture of surfactant and co-surfactant in herbal nanoemulsion formulation is 2:4. In 50 ml herbal nanoemulsion formulation quantity of ingredients is Trachyspermum ammi essential oil 2.5 g, Trachyspermum ammi extract 0.1 g and Piper betel extract 0.1 g. The present invention also provides p for preparing herbal nanoemulsion formulation. The herbal nanoemulsion formulation of present invention are useful as antacid.

Complete Specification

Claims: I Claim:

1. A herbal nanoemulsion, comprising:

a) Trachyspermum ammi essential oil;

b) Trachyspermum ammi extract;

c) Piper betel extract; and

d) pharmaceutically acceptable excipients,

wherein the 50 ml herbal nanoemulsion comprises Trachyspermum ammi essential oil 2.5 g, Trachyspermum ammi extract 0.1 g and Piper betel extract 0.1 g.

2. The herbal formulation as claimed in claim 1, wherein the ratio of surfactant and co-surfactant is 3:1.

3. The herbal formulation as claimed in claim 1, wherein the ratio of oil phase and mixture of surfactant and co-surfactant is 2:4.

4. The herbal formulation as claimed in claim 1, wherein the herbal composition is useful as antacid.

5. The herbal formulation as claimed in claim 1, wherein the pharmaceutically acceptable additives are Tween 20, ethanol and distilled water.

6. The herbal formulation as claimed in claim 1, wherein pharmaceutically acceptable additives in 50 ml herbal formulation is Tween 20 10 ml, Ethanol 3.3 ml and distilled water q. s.

7. A process for preparing herbal nanoemulsion, comprising:

a) extracting volatile oil of Trachyspermum ammi:

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