Arachis oil (Oleum arachidis)

Chemical name. Peanut oil; CAS Reg. No. 8002-03-7.

Other name. Peanut oil.

Description. A yellowish, clear, and viscous liquid; odourless, or with a very faint nut-like odour.

Miscibility. Very slightly miscible with ethanol (~750 g/l) TS; miscible with ether R and light petroleum R.

Category. Oleaginous vehicle; solvent.

Storage. Arachis oil should be kept in a well-filled and well-closed container and protected from light.

Additional information. The quality of the material described is not suitable for parenteral administration.

Requirements

Definition. Arachis oil is the refined fixed oil obtained from the seed kernels of *Arachis hypogaea* L.

Identity test

To 0.5 mL add 10 mL of potassium hydroxide/ethanol TS1 and, while shaking intermittently, heat in a water-bath at 80 °C for 15 minutes. Allow to stand for 1 hour; a cloudy, gelatinous mixture is formed which adheres to the walls of the tube.

Refractive index. n_D^{20} = 1.468 - 1.472

Relative density. d_{20}^{20} = 0.912 - 0.920.

Acid value. Not more than 0.6.

Saponification value. 185-195.

Iodine value. 83-103.

Unsaponifiable matter. Not more than 15 mg/g.

Peroxide value. Not more than 5.0.