RESEARCH OF THE EXTRACTION PROCESS OF RUBIA TINCTÓRUM AT LIQUID EXTRACT OBTAINING

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Dyeing Madder (Rubia tinctorum) is a perennial, high enough (up to 2 meters), herb of the family *Rubiaceae*. In today's traditional, as well as in folk medicine, the plant gets popularity due to the pronounced diuretic, antispasmodic and litholytic action. The main effect of the plant is the ability to destroy calcium oxalate stones, phosphoric acid, oxalic acid salts of calcium and magnesium, ureates produced in the kidneys and bladder, at cholelithiasis. Has a diuretic, antibacterial, anti-inflammatory effect in pyelonephritis, nephritis, cystitis. Eject the salt from the joints of hands and feet at gout, osteochondrosis, arthritis.

As medicinal plants raw material used Rubia tinctorum root, and as it has the above properties. Root of the Rubia tinctorum very developed, branched, its bark is reddish-brown hue, partially peeled off. The roots of the Rubia tinctorum contain about 60 derivatives of hydroxymethyl anthraquinone, the main ones are alizarin, lutsidin,, rubiadin, purpurin-3-carboxylic acid, purpurin, ksantopurin etc. Extracts from Rubia tinctorum are in compose of the combined drug "Cystenalum."

Thus, is relevant the development and investigation of dense extract and solid dosage forms based on it.

For obtaining the liquid extract was used a method of percolation or filtration extraction. In the process of percolation conducted selection of samples of extract in amount equal to the weight of the loaded material. In all collected consistently samples was determined content of dry residue and extractives by the results was made a conclusion about exhaustion of raw materials. Was proved experimentally usefulness of 70% alcohol as extragent. For a complete exhaustion of raw materials needed to use a ten-fold amount of alcohol relative to the weight of raw materials.