

INVESTIGATION OF RAW MATERIAL REPRESENTATIVES OF *BETULACEAE* FAMILY

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Leaves of many plants on earth are the accessible type of digester which is used in various aims. Many different types of plants suffice for the receipt of a few ten of kinds is productive leaves as pharmaceutical plants raw materials.

Plants of *Betulaceae*'s family are common in our country. But these plants are not source of pharmaceutical raw materials. In Folk Medicine of many countries *Betulaceae*'s representatives extensively were used. For example, leaves of species birch *Betula verrucosa* Ehrh. have litolitic, diuretic, hypoazothemic effect, leaves of black alder *Alnus glutinosa* (L.) Gaertn. have astringent, antitumor action, leaves of fibert *Corilus avellana* L. are antioxidant.

The goal of our investigation is determination options of standartisation leaves available and widely in-use domestic plant *Alnus glutinosa* (L.) Gaertn. For this process we collected 5 series of leaves of this type of plant of different districts of sprouting. We studied such parametres as macroscopic, microscopic diagnostic signs, loss in-bulk at drying, and also quantitative maintenance of sum of oxidable phenols and sum of flavonoids.

To the macroscopic diagnostic signs taken by us form of bases are widely cuneate, the form of edge of leaf plate is heteromerous doubl-serate, the apex is bilobular. Central and lateral veins are deep of upside of leaf plate and protuberant is on downside. An upside saves a characteristic tack. Smell fragrant is specific. Taste is expressed bitter.

Microscopic signs which have a diagnostic value are a type of leaf plate is dorsiventral, type of stomatos apparats is anomicitic. Type, localization of trikhom is simple and ferrous hairsprings. A presence of druz is in the parenchima of leaf plate, central vein and petiole.

A loss in-bulk at drying makes in the analysable series of raw material is not more 10.0%. Maintenance of sum of oxidable phenols is not below 12%, a sum of flavonoids in a count on a hyperoside is not below 3.5%.

Findings in basis of project MCQ "Alder leaves" "Alni folia" will used.