

Analysis of Tannins from *Padus asiatica*

Authors : Telmen Dashdondov, Selenge Erdenechimeg

Abstract : *Padus asiatica* contains large quantities of polyphenolic compounds, and it is one of the most consumed fruits throughout the country. These compounds have the biological activity of the fruit and have long been used in traditional Mongolian medicine for diarrhea, coughs, pneumonia, and gastritis. In this study, we studied the solvents that can be used to make extracts from dried raw fruits; in order to determine the amount of tannin in *Padus asiatica*, we selected three solvents: distilled water, 20% ethanol, and 40% ethanol, and determined the amount of tannin. As a result, the amount of extract (distilled water) was 11.8%, the amount of extract (20% ethanol) was 15.7%, and the amount of extract (40% ethanol) was 8.2%. Therefore, it was found that tannins are extracted better in 20% ethanol solution.

Keywords : *Padus asiatica*, tannin, diarrhea, Mongolian medicinal plant

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