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# ANALYTICAL STUDY OF *SHODHANA* PROCESS OF *GUGGUL* BY USING DIFFERENT LIQUID MEDIA

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*Guggul* is a plant exudate used in Ayurveda system of medicine which have high medicinal value. *Guggul* cannot be used directly as a medicine due to high amount of external impurities which leads to toxic effect on human body. Therefore, before using *Guggul* for medicinal purpose, it should be purified properly. In Ayurveda this purification process is known as *Shodhana*. Purification of *Guggul* can be done by steaming it with different liquids with the help of *Dolapaka yanthra* (Steaming apparatus). Aim of this study was to find out the most appropriate liquid which can be used for purification of *Guggul*. Here *Guggul* was purified with water, juice of *Nirgundi* leaves *(Vitex negundo)*, Juice of *Wasa* leaves *(Adatoda vasica)* and the decoction of *Triphala (Terminalia chebula, Terminalia bellirica, Phyllanthus emblica)* by using *Dolapaka* method. After purifying, organoleptic, physicochemical, phytochemicals characteristic of different *Shoditha guggul* were comparatively evaluated. Total Ash value and moisture content were low in *Guggul* purified by *Tripala* decoction (Total Ash value - 7.25%, Moisture content- 2.66%). High concentration of phytochemicals was present in *Guggul* purified by *Triphala* decoction and also there was no visible fungal growing three months after the purification process in *Guggul* purified by *Thripala* decoction than other types of *Shoditha guggul*. This preliminary study showed some evidences on proved *Triphala* decoction as the most appropriate liquid for purification of *Guggul* and should conduct further analysis to prove it.

**Keywords:** *Guggul, Dolapakayanthara, Shodhana, Thiphala* decoction