

Overview of Simple Syrup from the Pomegranate Leaves Extract

**Barhate Monika Popat, Deshmukh Divya Shivanath, Chaudhari Mohini Pandurang,
Titar Siddhika Somnath, Ms. Gaikwad Rutuja**
Samarth Institute of Pharmacy, Belhe, Maharashtra, India

Abstract: *Pomegranate (Punica granatum) is a wonder fruit because of its huge pharmacological parcels. Pomegranate and its excerpts parade potent anticarcinogenic parcels and the waste part of this wonder fruit, pomegranate has miraculous goods for mortal health. The implicit remedial parcels are wide-ranging and include treatment and forestallment for cancer, cardiovascular complaint, diabetes, dental conditions, manly gravidity, arthritis, and protection from ultraviolet(UV) radiation. The ideal of the study was to estimate the Pomegranate leaves excerpt hy in vitro antioxidant styles like DPPH radical, superoxide radical inhibition, phosphomolybdenum reduction, and ferric reducing power assays. The results showed that the Pomegranate leaves excerpt has significant antioxidant exertion. The DPPH radical scavenging exertion of leaves excerpt was 79.13-0.37 at 120 µg/ ml. attention and its IC₅₀ was 39.16 µg/ ml. attention. The superoxide radical scavenging exertion of leaves excerpt was 71.480.43 at 120 µg/ ml. Concentrati on and its IC₅₀ was 40.31 µg/ ml, attention. The phosphomolybdenum(Mo) reduction of leaves excerpt was 53.36-0.39 at 120 µg/ ml. attention and its RC₃₀ was 104.89 µg/ ml, attention. The Fe reduction of leaves excerpt was 81.47 ±0.13 at cemistry exploration Biotek Institute. Nadu, 120 µg/ ml. attention and its RC₃₀ was 21.28 µg/ ml. attention. The antibacterial exertion showed the loftiest zone of inhibition of 19 mm against Micrococcus luteus.*

Keywords: Punica granatum, antioxidant, antibacterial, antimicrobial