

## STANDARDIZATION OF UNANI COMPOUND FORMULATION *ZIMAD-E-ROOS*

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Standardization is a crucial process to ensure the quality, safety, and efficacy of Traditional Medicine. Despite its therapeutic value, the Unani system lacks standardization for many formulations, leading to batch-to-batch variability. This study aims to standardize *Zimad-e-Roos*, an Unani polyherbal formulation traditionally used in the management of joint disorders such as *Waja-ul-Mafasil* (Arthralgia), *Waja-ul-Zohr* (Backache), *Thahajjarul Mafasil* (Rheumatism) and *Hadhar* (like Carpal Tunnel Syndrome). *Zimad-e-Roos* comprises *Maghz-e-Tukhm-e-Bedanjeer* (seed kernel of *Ricinus communis*), *Asal* (Bee honey), and *Roghan-e-Gao* (Ghee). The formulation was prepared in accordance with the National Formulary of Unani Medicine, Volume 04. Quality evaluation was performed using Organoleptic, Physicochemical, and Phytochemical analyses according to Quality Control Methods for Medicinal Plant Materials and herbal formula - World Health Organization (WHO), 1998, Indian Pharmacopoeia - Ministry of Health and Family Welfare, Government of India and Ayurvedic Pharmacopoeia of India- Government of India, Ministry of AYUSH Organoleptic characteristics revealed a light brown color, characteristic odour, and moderately fine texture. Physicochemical analysis showed a Total ash value of  $12.5 \pm 0.3\%$  and Moisture content 7.28%. Phytochemical screening confirmed the presence of active constituents such as Tannins, Phenols, Flavonoids, Terpenoids, Saponins, Carbohydrates, and Reducing sugars. The results confirm that *Zimad-e-Roos* can be standardized using defined quality parameters, which will support consistency in preparation, enhance therapeutic efficacy, and establish quality control protocols. The findings may serve as a reference for future studies and standardization of similar Unani formulations.

**Keywords:** Standardization, *Zimad-e-Roos*, *Maghz-e-Tukhm-e-Bedanjeer*, *Asal*, *Roghan-e-Gao*