

Formulation and Evaluation of Herbal Toothpaste using Various Herbal Ingredients

Shubham Mhetre, Amol Kudnar, Prachi Padwal

Samarth Institute of Pharmacy, Belhe, Junnar, Pune

Abstract: *The formulation and assessment of a herbal toothpaste is the main objective of the study. With the help of all people, toothpaste is a commonly used product. Typically, toothpaste is used to clean the mouth and enamel. Additionally, it is utilised to treat a variety of enamel problems. Many dentists advocate using toothpaste for diseases including chronic gingivitis and sensitivity, among others. The ingredients used in herbal toothpaste formulations include Neem leaves, Black pepper, Babul leaves, clove oil, and turmeric. These herbal toothpastes are assessed using a variety of methods, including physical examination, pH measurement, Among other things, homogeneity, sharp and edged abrasive particles, moisture and volatile matter determination, spreadability, stability research, extrudability, etc. The goal of this research is to create a herbal toothpaste that is effective for gum bleeding and oral hygiene.*

Keywords: Herbal Toothpaste, Herbal ingredient, Antibacterial activity, Neem leaves, black pepper, Babul leaves, Abrasive

REFERENCES

- [1]. Priyal G. 1, Maji Jose 2, Shruti Nayak 3, Vidya Pai 4, Sudeendra Prabhu, Evaluation of efficacy of different tooth paste formulations in reducing the oral microbial load - An in vivo study, Biomedicine: 2021; 41(2) Supplementary issue: 465-471.
- [2]. Davies R, Scully C, Preston A.J. Dentifrices- an update. Med Oral Patol Oral Cir Bucal. 2010; 15 (6): 976-82.
- [3]. Mahendran Sekar, Muhammad Zulhilmil Abdullah Formulation, Evaluation and Antimicrobial Properties of Polyherbal Toothpaste Int J Curr Pharm Res, Vol 8, Issue 3, 105-107.
- [4]. Singh K., Singh P. and Oberai G. Comparative studies between herbal toothpaste (dant kanti) and nonherbal toothpaste. IJDR (2016); 4(2):53-56.
- [5]. Chowdhary Banani R, Garai Arnav, Deb Madhuparna, Bhattacharya Souptik. Herbal toothpaste- A possible remedy for oral cancer. Journal of Natural Products 2013; 6:44-55.
- [6]. Mithal BM and Saha RN. A Handbook of Csmetics. Vallabh prakashan, Delhi. 2016; 1st Ed. pp. 204- 212.
- [7]. <http://www.dcmsme.gov.in/old/publications/pmryprof/chemical/ch4.pdf>
- [8]. Pavan Deshmukh, Roshan Telrandhe*, Mahendra Gunde, Formulation and Evaluation of Herbal Toothpaste: Compared With Marketed Preparation, INTERNATIONAL JOURNAL OF PHARMACEUTICS & DRUG ANALYSIS, VOL.5 ISSUE 10, 2017; 406 – 410.
- [9]. K.L. Senthilkumar¹, S. Venkateswaran.¹, A. Vasanthan¹, P. Chiranjeevi¹, N Mohamed¹, S. Dinesh¹, K.L.S. Neshkumar.², Formulation development and evaluation of novel herbal toothpaste from natural source, International Journal of Pharmaceutical Chemistry and Analysis 2022;9(1):17-21.
- [10]. Mazumdar M, Makali CM, Patki PS. Evaluation of the Safety and Efficacy of Complete Care Herbal Toothpaste in Controlling Dental Plaque, Gingival Bleeding and Periodontal Diseases. J Homeopathic Ayurvedic Med. 2013;2(2):100–24.
- [11]. Mangilal T, Ravikumar M. Preparation and Evaluation of Herbal Toothpaste and Compared with Commercial Herbal Toothpastes: An In-vitro Study. Int J AyurvediHerbal Med. 2016;6(3):2266–73.