

P-072: QUALITY SPECIFICATIONS OF IDENTITY, COMPOSITION AND EFFICACY FOR THE MEDICINAL PLANT *ALNUS ACUMINATA* (SCHLECHT.) FURLOW SSP. ARGUTA

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Alnus acuminata ssp. *arguta* (Betulaceae) is a wild plant widely used in the Mexican traditional medicine as anti-inflammatory, astringent and antimicrobial. Commonly known as “aile”, it is a very extended plant throughout the Mexican Republic. Fractions obtained from the methanol bioactive extract produced significant inhibition of edema in the model of carrageenan-induced paw edema in rats. The aim of the present work is to establish quality control standards with the results of different tests, as macro and microscopic identity, chromatographic identification of taraxerone as the reference compound in extracts, results of efficacy anti-inflammatory tests and other determinations recommended by the WHO for the quality control of vegetal raw materials. Results of all these tests are included and will be used to prepare a pharmacopoeia monograph under the WHO lineaments.