
Oral Applications

Humic Acids for Oral Application

M. Kuehnert and H. Knauf

Deutsche Apoth. Zeit. **2006**, 146(49), 101-104

A review. The use of humic acids for mucosa-regeneration, and anti-resorptive, adsorptive, fungicidal, bactericidal, virucidal, antiphlogistic, and digestive effects are summarized; including toxicity and medical applications.

Compositions for Oral Hygiene Containing Cesium and Rubidium Salts

B. Giles

WO 2005/099,658 (October, 2005)

The present invention relates to oral compositions such as toothpastes, tooth powders, liquid dentifrices, mouthwashes, rinses, dental floss, denture cleansers, chewing gums, lozenges and the like. Suppression and elimination of a 60 year-old male's periodontal disease was accomplished with an exemplar solution.

Oral Solution for Prevention and Treatment of Presbyopia and Its Preparation

X. Zhang

CN 1,470,248 (January, 2004)

The oral solution is comprised in part of H₃PO₄, K₂HPO₄, acetic acid, humic acid, and microelements.

Rheumatoid Conditions

Lipophilic Components of Different Therapeutic Mud Species

E. Odabasi, H. Gul, E. Macit, et al.

J. Altern. Complem. Med. **2007**, 13(10), 1115-1118

Mud, which contains organic and mineral ingredients, is a well-known treatment for several degenerative diseases. The chemical structure of mud not only contains hydrophilic organic substances, such as humic, fulvic, and ulmic acids, but also low-molecular-weight organic substances mostly comprised of fatty acids.

Efficacy of Sodium Humate Electrophoresis in Rheumatoid Arthritis

M. V. Antoniuk and T. L. Magalish

Vopr. Kurortol. Fizioter. Lech. Fiz. Kult. **2005**, (4), 20-22

The clinical efficacy of local electrophoresis of sodium humate as a monophysiotherapy and in combination with phonophoresis for rheumatoid arthritis was evaluated. The title treatment brought about a positive trend in acute-phase and immunological indices of the process activity.

Are the Curative Properties of Black Mud from the Dead Sea Due to the Presence of Bitumen (Asphalt) or Other Types of Organic Matter?

A. Nissenbaum, J. Rullketter, and Y. Yechieli

Environ. Geochem. Health **2002**, 24(4), 327-335

Deep black clayey sediments of the Dead Sea are mined for materials used for therapeutic purposes and for the preparation of cosmetic products. It has been claimed that the beneficial properties are due to the presence of bitumen (asphalt). Less commonly, the curative properties have been ascribed to humic acids. Asphalt from the Dead Sea has been used as a medicament for 2000 years.

Skin Care

Rheological Studies of an Ointment with Sodium Humate

R. R. Ismatova, T. V. Romanko, and V. E. Narkevich

Bashk. Khim. Zh. **2007**, 14(3), 95-97

Rheological characteristics of the title ointment are presented. Stability of the system when subjected to experimental conditions is demonstrated.

New Formulations of Catechin or Its Derivatives for Medical and Cosmetic Use

S. Liao, D. Liang, and J. Liang

CN 1,951,383 (April, 2007)

The invention contains inter alia a metal chelating agent which can be one or more of α -hydroxy fatty acid, palmitic acid, phytic acid, α -hydroxy acids, humic acid, cholic acid, bile extracts, EDTA and its derivatives, and others.