

PLANDOLA is an all natural herbal-based alternative oral care solution manufactured by Penawar Industries Sdn. Bhd. and marketed by D Jari Solution Wellness.

GOOD ORAL HEALTH BEGINS WITH EFFECTIVE PLAQUE CONTROL

Most tooth loss in adult is caused by gum disease. Brushing teeth everyday can help to prevent cavities, but it is not enough to keep teeth healthy. One of the main causes of gum disease is plaque-a sticky, colourless film of bacteria constantly forming on the teeth surface. If allowed to build up, plaque can cause the gums to be infected and swollen. The bone that support the teeth can become infected and damaged. Subsequently, plaque formation result in problem such as halitosis, gingivitis, tartar build up, caries, periodontitis and eventually tooth loss.



WHY PLANDOLA



Plandola is an alternative herbal-based oral care solution produced through homeopathic methods. Research has shown that extracts of calendula officinalis in Plandola have proven effective in the treatment of plaque, gingivitis and early chronic periodontitis. Specially formulated for daily home use and in the dental surgery, Plandola offers remedies that can be invaluable in alleviating dental pain and treating dental disease. Plandola is suitable as a daily mouthwash for the treatment of denture irritation, post root canal treatment (RCT), and generally dental procedures.

Plandola is the first entirely herbal mouthwash in the world.

PLANDOLA'S SPECIAL PROPERTIES

- Healing
- Antiseptic
- Haemostatic
- Analgesic

PLANDOLA'S HERBAL COMPOSITION

- Calendula officinalis
- Plantago major
- Fragaria vesca
- Matricaria chamomilla

CALENDULA OFFICINALIS

Calendula officinalis or Pot. Marigold, as it is more commonly known, is a popular garden flower used in ancient Greek, Roman, Arabic and Indian cultures as a medicinal herb. It possesses a natural substance that has antiseptic properties. It is also used in homeopathic medicine as a way to promote the healing of minor burns, scrapes and skin irritations. It also helps to soothe toothache, throat infections and ulcers. The chemical composition in Calendula officinalis includes flavonoids which possess anti-oxidant and antibacterial properties which neutralize toxic substance in the body; salicylic acid, used in aspirin to relieve pain, destroy bacteria and fungi; and triterpene glycosides, terpene derivatives and poly-saccharides which possess anti-inflammatory and anti bacterial properties.



Effects of Calendula

- Anti-inflammatory
- Anti microbial
- Haemostatic
- Soothes ulcers
- Wound healing

THESE CAN BE PREVENTED IF CARE IS TAKEN TO MAINTAIN GOOD ORAL HYGIENE.

Sa'iah Yusoff & Salmah kamin

"The Effect Of mouthwash Containing Extracts of Calendula Officinalis (Plandola) on Plaque and Gingivitis "

Department of Oral Pathology, Oral Medicine & Periodontology Dental Faculty University of Malaya, Kuala Lumpur, Malaysia.

Prof. Madya Dr. Salmah Kamin & Dr. Sabranah bt. Abdullah,
" The Effect of Herbal Mouthwash (Plandola) on Early Chronic Periodontitis "

Department of Oral Pathology, Oral Medicine & Periodontology, Faculty of Dentistry, University of Malaya, Kuala Lumpur, Malaysia

PLANTAGO MAJOR

Plantago is a genus of about 200 species of small, inconspicuous plants commonly called plantains, found all over the world, including America, Asia, Australia, New Zealand, Africa and Europe. The Broadleaf Plantain or greater Plantago (Plantago major) is edible and used in herbal medicine. Crushed plantago leaves can be applied directly to skin to stop bleeding, bee sting and insect bites. High in beta-carotene and calcium, it is one of the most common remedies for toothache pain and is also known to lower blood sugar and reduce smoke addiction.



Effects of Plantago Major

- Astringent
- Antibacterial
- Antiviral
- Anti Toxin

FRAGARIA VESCA

Fragaria vesca or the Woodland Strawberry, accrues naturally throughout the Northern Hemisphere. In medicine, it is a diuretic and antineumatic and can be used in herbal medicine for its anti-inflammatory and astringent properties.



Effects of Fragaria Vesca

- Discourages the formation of dental calculus
- Softens existing calculus for effective removal by scaling

MATRICARIA CHAMOMILLA

Taken from the German Chamomille, Chamomilla is a herb used medicinally for thousands of years, and is widely used in Europe. Its antbedermal and antispic properties promote wound healing, treat skin infections and aids in reducing inflammation.



- Chamomilla is a primary remedy for:
 - Teething infants and fractious children
 - Reducing dental anxiety in adults
 - Aerodontalgia, pulpitis, median fissure of the lip
 - Median nonumbd glossitis and halitosis

BENEFITS OF PLANDOLA

- Safe for daily use to maintain oral hygiene
- Effective in treating gingivitis and periodontitis
- Soothes pain and promotes healing after scaling procedures
- Stop bleeding after post-root canal treatment
- Reduces tooth pain and gum inflammation
- Relieves sore throats
- Heals mouth ulcers and tonsils
- Promotes healthy tissue growth
- Freshens breath

ADVANTAGES OF PLANDOLA

- Herbal based product with homeopathic formulation
- Suitable for children and adults
- Safe for pregnant women and infants
- Alternative treatment for allergic users
- No side effects if consumed
- Non-carcinogenic ingredients
- Natural herb extracts
- No alcohol content
- Certified halal

INGREDIENT

- In each 15 ml:
 - Calendula Officinalis Flower
 - Plantago Major Callus Culture Extract
 - Fragaria Vesca (Strawberry) Flower Extract
 - Chamomilla Recutita (Matricaria) Flower Extract
 - Aqua

DIRECTIONS

- Gargle 15 ml three times daily after a meal or brushing teeth.
- No rinsing required

CAUTION

- If pain persists, please seek dental or medical advice
- Keep out of children