

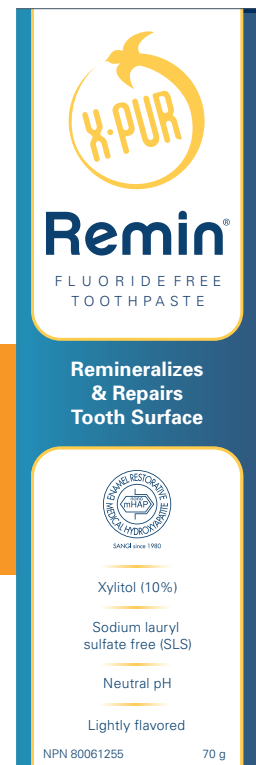
REMINERALIZING AGENT

Remin

FLUORIDE FREE TOOTHPASTE NPN 80061255
70 G: UPC 663635 000380

ONLY FLUORIDE-FREE TOOTHPASTE AUTHORIZED BY HEALTH CANADA TO REMINERALIZE AND REPAIR TOOTH SURFACE

Hydroxyapatite represents 97% of the enamel and 70% of the dentin. It is safe, edible and highly biocompatible. Its particles penetrate below the surface of the enamel, providing replacement calcium and phosphate ions to areas from which minerals have dissolved, thereby remineralizing the demineralized enamel and restoring its integrity and translucent gloss.



BENEFITS

Xylitol Sweetened, for a Refreshing Taste (10 %)

It gives X-PUR Remin a great refreshing taste! Also, contrary to the majority of toothpastes, X-PUR Remin is not sweetened with Acesulfame Potassium, an artificial sweetener widely used in soft drinks and chewing gum that could be associated with several potential health problems.

Free of Harsh Foaming Agent such as Sodium Lauryl Sulfate (SLS) or Triclosan

SLS is a foaming agent used in dish soaps, liquid laundry detergents, toilet-bowl cleaners, shampoos and in approximately 95% of all toothpastes. It is an irritating substance. Triclosan is an antibacterial agent whose use has become widespread in toothpastes, cosmetics and plastics. The American Medical Association recommends avoiding Triclosan entirely.

Lightly Flavored

The mild-mint flavor of X-PUR Remin leaves the mouth feeling gentle without an unpleasant and irritating aftertaste.

Improves Teeth Whiteness and Gloss

<mHAP> is not an abrasive or whitening agent in the sense of scrubbing or bleaching the teeth. However, by providing minerals to repair surface crevices, it restores, smoothes and gives translucency to the enamel, improving its gloss and true color.

Neutral pH

pH of 7.51

Low Abrasivity

RDA level of 60

INDICATION

Helps to remineralize tooth enamel

MEDICINAL INGREDIENT

10 % nano medical hydroxyapatite (<mHAP>)

CLINICAL USES

- Diabetics
- Orthodontics
- Periodontics
- Head and neck radiation
- Implant maintenance
- Ulcerations
- Xerostomia

DIRECTIONS FOR USE

Adults & Adolescents - 15 years of age and older, 3 times a day

1. Brush with a film of toothpaste. Expectorate.
2. Do not eat, drink or rinse for 30 minutes. Do not swallow.

STORAGE INFORMATION

Store at room temperature (15-30 °C).



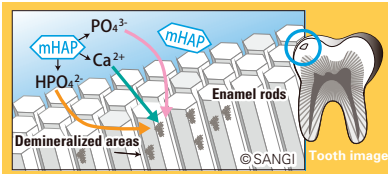
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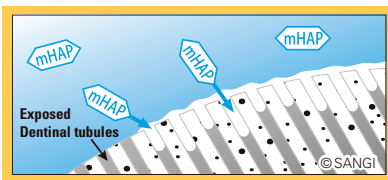
NANO MEDICAL HYDROXYAPATITE

FOR THE COMPLETE REFERENCES AND ARTICLES,
VISIT WWW.ORALSCIENCE.COM/EN/EDUCATION/MHAP.HTML



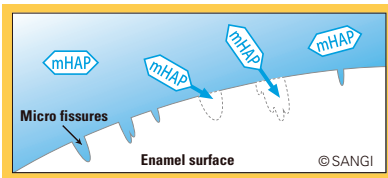
REMINERALIZATION AND PROTECTION AGAINST CARIES

01. Causes remineralization comparable to a fluoride toothpaste, inhibited caries development, thus suggesting that an <mHAP> toothpaste can be an effective alternative to fluoride toothpaste.
02. Remineralizes subsurface demineralized areas of tooth enamel.
03. Remineralizes tooth enamel more effectively than saliva and just as effectively as fluoride compounds. (Note: Fluoride promotes remineralization by saliva, where as <mHAP> itself remineralizes the teeth.)
04. Fills and repairs minute surface deficits on tooth enamel, restoring enamel to its original smoothness.
05. Adheres to and helps remove bacteria and plaque thereby protecting against tooth decay.
06. Removes white spots and incipient caries and restores enamel almost to its original form.
07. Protects against plaque attachment and stains by reducing the crevices that harbor them.



TOOTH SENSITIVITY TREATMENT

11. Coats and fills exposed dentin and dentinal tubules protecting against dentinal hypersensitivity.



WHITENING AND GLOSS

12. Improves tooth whiteness and gloss, which can be correlated with an increase in surface minerals and smoothness.



SANGI since 1980

HISTORY OF MEDICAL HYDROXYAPATITE TOOTHPASTES

1970s

1970: First synthetic form of hydroxyapatite created by NASA to help restore teeth and bone loss by astronauts following gravity-free environment missions.

1978: Sangi Co., Ltd. acquires the patent from NASA and conceives the idea of an enamel-restorative toothpaste using the same substances as the tooth structure. (hydroxyapatite).



1980s

1980: Sangi launches the world's first enamel-restorative toothpaste in Japan.

1985, studies from: • Tokyo Medical and Dental University (1 year / 1026 children)
• Asahi University (3 years / 181 children)

Results: • Nano Medical Hydroxyapatite significantly lowered the incidence of new caries in previously and newly erupted teeth.
• In the 3-year study, the reduction was as high as 36-56%.

1990s

1993: Japanese government approves Sangi's proprietary Medical Hydroxyapatite as an active anticaries agent.

2000s

2003: Sangi increases the enamel-restorative capabilities of Medical Hydroxyapatite by reducing its nanoparticles from 100 to 50 nanometers (1 nanometer = 1 million of a millimeter).

2013: • 100 million Medical Hydroxyapatite toothpastes sold by Sangi over 33 years.
• Nano Medical Hydroxyapatite is the gold standard in Japan to fight cavities.

2015: X-PUR Remin becomes the only fluoride-free toothpaste authorized by Health Canada to help remineralize tooth enamel.