

Table S3. Health Canada Approved Hydroxyapatite Toothpastes

Brand name (Company)	Natural Product Number (date of licensing)	% hydroxyapatite / medicinal ingredients	Other ingredients	Recommended use or purpose / Sub population
X-Pur Remin (Oral Science Inc)	80061255 (2015-05-27) revised (2021-10-18)	10%	Carboxymethylcellulose sodium Carrageenan Cetylpyridinium Chloride Ethanol Glycerin Glycyrrhethinic acid Macrogol 400 Peppermint Flavour Polyoxyethylene Castor Oil Derivatives Polyvinylpyrrolidone Silicon dioxide Sodium Lauroyl Glutamate Titanium dioxide Water Xylitol Zeolite	Helps remineralize tooth enamel Helps restore minerals to tooth enamel Strengthen teeth by remineralizing enamel Helps to reduce cavities Helps to reduce tooth sensitivity pain <ul style="list-style-type: none"> children 2-5 yrs children and adolescents 6 – 11 yrs adults and adolescents >= 12 yrs
UltraDex Sensitive Toothpaste (Venture Life Ltd.)	80081856 (2017-12-14) revised (2018-02-17)	7.5% (+ 1.09% sodium monofluorophosphate)	Aqua C.I. No. 77891 Cellulose gum Citric acid Glycerin Hydrated Silica Menthol Sodium bicarbonate Sodium chlorite Sodium citrate Sodium phosphate tribasic dodecahydrate Sodium saccharin Spearmint essential oil d-Limonene l-Limonene	Helps to rebuild tooth surfaces Provides a protective enamel shield Protects teeth Strengthen teeth by remineralizing enamel Helps rebuild tooth surfaces, to leave teeth stronger <ul style="list-style-type: none"> adults
SirinMED Hyper Sensitivie Enamel Protection (Bukwang Pharmaceutical Co. Ltd.)	80082864 (2018-02-05)	19% (+ 2.5% silicon dioxide)	Allura Red AC Carboxymethylcellulose sodium Fragrance Glycerin Menthol Methylparaben Purified water Saccharin sodium dihydrate Sodium Cocoyl Isethionate Sodium lauryl sulfate	Provides clinically shown relief from dentin hypersensitivity pain <ul style="list-style-type: none"> keep out of children under 6 years of age
Extra Whitening Toothpaste (Green Beaver Co. Ltd.)	80090492 (2019-02-07) revised (2020-11-30)	4.25% (+ 20.0% xylitol)	Aqua Calcium carbonate Carica Papaya (Papaya) Fruit Extract Citrus grandis (grapefruit) seed extract Citrus grandis (grapefruit) seed extract Coco-Glucoside Glycerin Hydrated Silica Maltodextrin Menthol Sorbitol Tea tree essential oil Xanthan Gum	Helps prevent dental cavities Helps prevent plaque formation Helps reduce the risk of tooth decay <ul style="list-style-type: none"> adults and children minum age 6 years

Enamel Shield Toothpaste (Green Beaver Co. Ltd.)	80091224 (2019-03-14) revised (2020-12-02)	4.25% (+ 20.0% xylitol)	Aqua Calcium carbonate Carica Papaya (Papaya) Fruit Extract Citrus grandis (grapefruit) seed extract Citrus grandis (grapefruit) seed extract Coco-Glucoside Glycerin Hydrated Silica Maltodextrin Menthol Sorbitol Tea tree essential oil Xanthan Gum	Provides a protective enamel shield Helps prevent dental cavities Helps prevent plaque formation Helps reduce the risk of tooth decay <ul style="list-style-type: none"> adults and children minimum age 6 years
Apagard Premio (Sangi Co. Ltd.)	80096121 (2019-12-16) revised (2021-01-22)	7.0%	Aqua Cellulose gum Cetylpyridinium chloride Dicalcium phosphate Flavour Glycerin Glycyrrhethinic acid Magnesium phosphate, tribasic PEG-8 Silica Sodium lauryl sulfate Sodium saccharin Sodium silicate Xylitol	Helps remineralize tooth enamel Helps restore minerals in tooth enamel Strengthens tooth enamel Helps to reduce cavities <ul style="list-style-type: none"> adolescents 9 to 13 yrs adults and adolescents 15 years min. adults and adolescents 12 years min children 2 to 3 years children 4 to 9 years
Apadent Total Care (Sangi Co. Ltd.)	80096124 (2019-12-16) revised (2021-01-22)	7.0%	Aqua Butylene glycol Cellulose gum Cetylpyridinium chloride Chamomilla Recutita (Matricaria) Flower Extract Dicalcium phosphate Ethanol Flavour Glycerin Green tea extract Magnesium phosphate, tribasic PEG-8 PVP Sage Leaf Extract Silica Sodium lauroyl sarcosinate Sodium lauryl sulfate Sodium saccharin	Helps remineralize tooth enamel Helps restore minerals in tooth enamel Strengthens tooth enamel Helps to reduce cavities <ul style="list-style-type: none"> adolescents 9 to 13 yrs adults and adolescents 15 years min. adults and adolescents 12 years min children 2 to 3 years children 4 to 9 years
Kinder Karex (Dr. Kurt Wolff GmbH & Co. KG)	80117093 (2022-03-12)	10%	1,2-Hexanediol Aqua Caprylyl glycol Cellulose gum Flavour Glycerin Hydrated Silica Hydrogenated Starch Hydrolysate Silica Sodium cocoyl glycinate Sodium methyl cocoyl taurate Sodium sulfate Xylitol	Helps prevent (dental) cavities Helps fight (dental) decay Cavity protection Helps remineralize tooth enamel Helps rebuild tooth enamel Helps reinforce tooth enamel Helps prevent tooth enamel mineral loss Helps protect tooth enamel <ul style="list-style-type: none"> all ages children, adolescents and adults, min. age 2 years