Kalichem
a lamberti company

ORAL HYGIENE

PHOSPHACTEETH
REMINERALIZER

>> BIOMIMETIC REMINERALIZER IN VIVO ACTIVATED

BIOMIMETIC COMPLEX PROMOTING IN VIVO A MASSIVE IMMEDIATE TOOTH REMINERALIZATION

Phosphacteeth remineralizer (PAR) is a biomimetic specialty obtained through an exclusive production process. It is designed to promote maximum compatibility with the tooth, facilitated enamel adhesion and a massive and immediate remineralization through a 2 step in vivo activated reaction, that leads to the instant formation of functionalized amorphous calcium phosphate, fluorohydroxyapatite and carbonate-hydroxyapatite on the tooth surface.
PAR promotes the formation of physiological remineralizers and fluoride minerals that impact the industry by:

- Increase of the bio-availability of fluoride and its delivery directly on the tooth avoiding its loss during toothbrushing. This technology aspect is triggered by the instant formation of functionalized Amorphous calcium phosphate surrounded by citrates.
- introducing in the industry the philosophy of smart and safe remineralization through the development of toothpaste with low abrasiveness

>> POSITIONING

FUNCTIONAL AND TECHNOLOGY HIGHLIGHTS

- **Innovative specialty able to instantly form bio-compatible and effective bio-minerals**
- **Microlesions repair, intensive dental sensitivity reduction, protection against acidic attack**
- **Caries prevention**
- Low abrasiveness
- Whitening booster
- Time controlled remineralization and microhardness increase
- Ideal for professional shock treatments, daily remineralization sensitive teeth & baby care paste, etc.

BIOmimetic SOLUTIONS

CHINA IECIC LISTED

MADE IN ITALY

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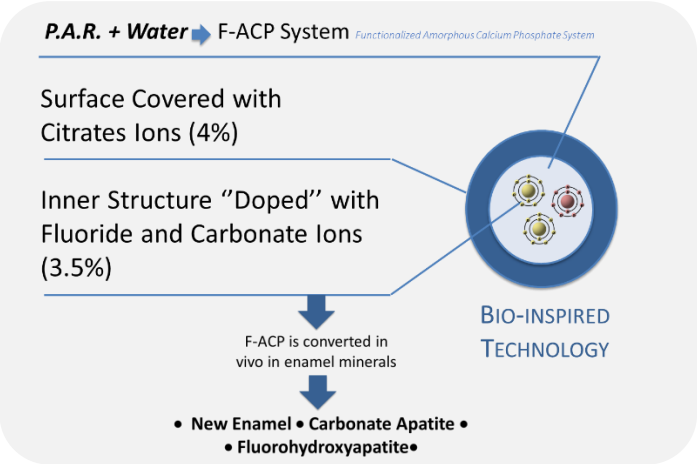
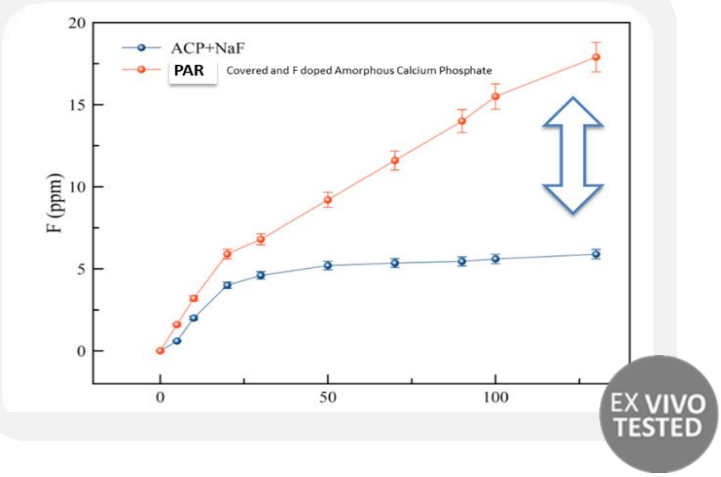
BIOMIMICRY: INSTANT MINERALS FORMATION



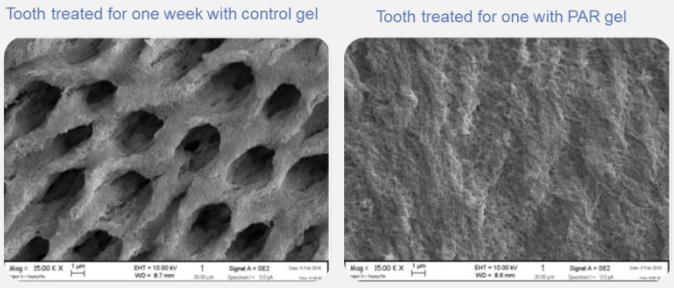
PAR, by reacting with saliva fluid, forms in vivo the F-ACP system, which is following converted in enamel minerals (FluoroHAP and Carboate-HAP).

FLUORIDE DELIVERY ON THE TOOTH



PAR, given its unique technology, delivers on the tooth higher amounts of Fluoride, increasing its bio-availability for tooth remineralization

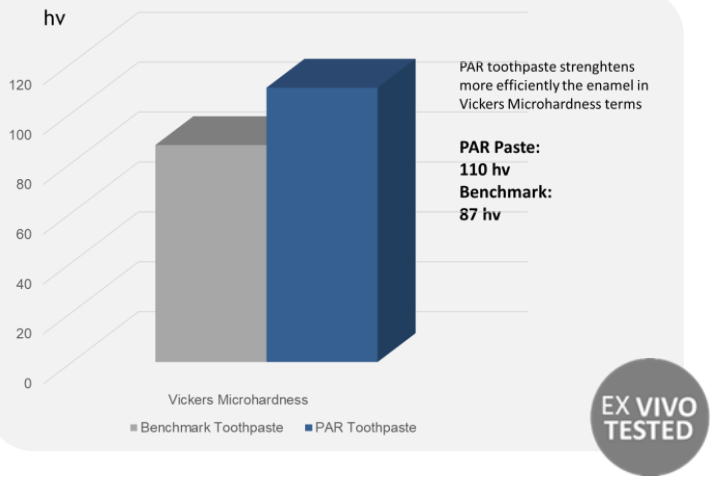
REMINERALIZATION & ANTI-HYPERSENSITIVITY



High Resolution Images- Magnification @ 15,00 K

PAR gel fills tooth scratches better than a control gel, by closing all the dental tubules, promoting remineralization and sensitivity reduction.

VICKERS MICROHARDNESS



Kalident SR based toothpaste promotes tooth microlesions and scratches repair after a 15-day ex vivo treatment.

>> TECHNICAL OVERVIEW

pH OF USE	% OF USE	APPLICATIONS	SOURCING	FORMULATION TIPS
Specific for anhydrous formulations	10.0 ÷ 15.0 %	Anhydrous toothpaste, gels, mouthwashes, chewing gums	Mineral	Add to the end product and solubilize thoroughly

[**INCI NAME**: calcium carbonate, calcium citrate, potassium phosphate, sodium bicarbonate, sodium fluoride, glycerin]

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