Kalichem
a lamberti company

ORAL HYGIENE

KALIDENT
ORAL CARE
BIOMIMETIC HAP

>> BIOMIMETIC HAP: SMART REMINERALIZATION

BIO-COMPATIBLE HYDROXYAPATITE FOR TIME CONTROLLED TOOTH REMINERALIZATION

Kalident HAP is a pure biomimetic mineral obtained through an exclusive production process. It is designed to promote maximum compatibility with the tooth, facilitated enamel adhesion and a **time-controlled, "pH dependent" remineralizing ions release mechanism, triggered on demand** whenever the acidic attack in the oral mouth alters the physiological remineralization process.
Hydroxyapatite opens a new frontier among oral care remineralizers, by:

- overcoming the concerns related to fluoride soluble salts and their concentration of use limits
- introducing in the industry the philosophy of smart and safe remineralization through the development of toothpaste with low abrasiveness

>> POSITIONING

FUNCTIONAL AND TECHNOLOGY HIGHLIGHTS

- **Biomimetic adhesion to the tooth, given by its similarity with physiological HAP**
- **Time prolonged remineralizing action triggered on demand (oral mouth pH dependent)**
- **Microlesions repair, dental sensitivity reduction, daily protection against acidic attack**
- **Caries prevention**
- Low abrasiveness and microhardness increase
- Whitening booster
- Oral microbiota friendly
- Ideal for daily remineralization, professional treatments, sensitive teeth & baby care paste, etc.

CHINA IECIC LISTED

ETHICAL AND ENVIRONMENTAL CERTIFICATION INSTITUTE ICEA
COSMOS APPROVED

BIOmimetic SOLUTIONS

MADE IN ITALY

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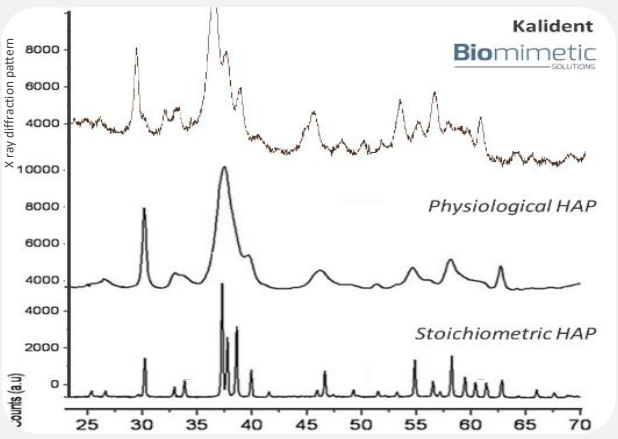
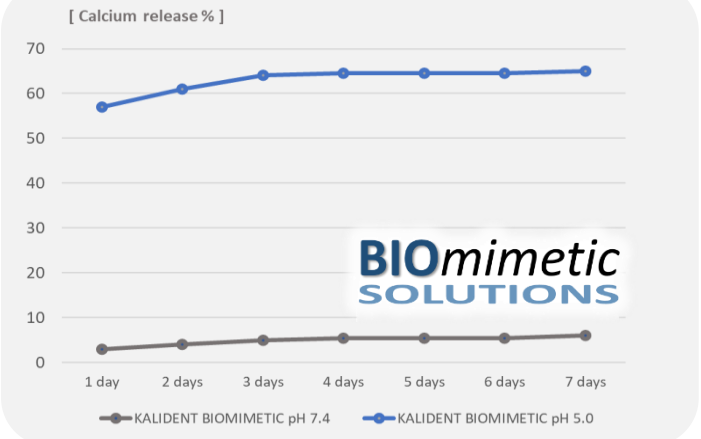
KALDENT BIOMIMETIC NATURE



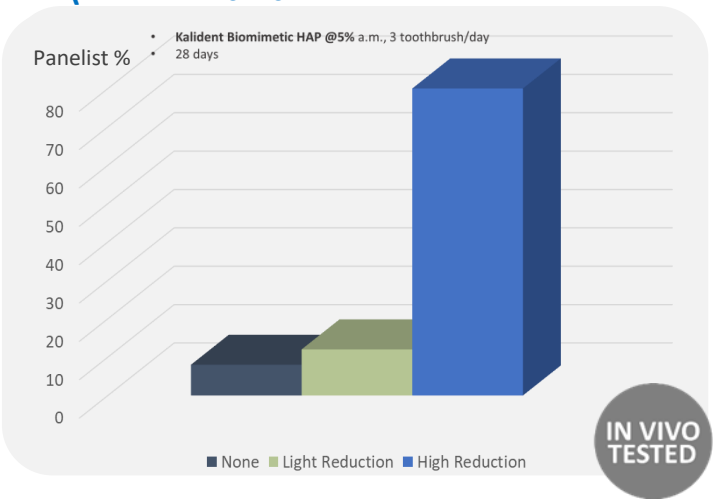
EDX analysis pattern prove the similarity between Kalident and physiological HAP, and their difference with stoichiometric HAP.

SMART IONS RELEASE "ON DEMAND"



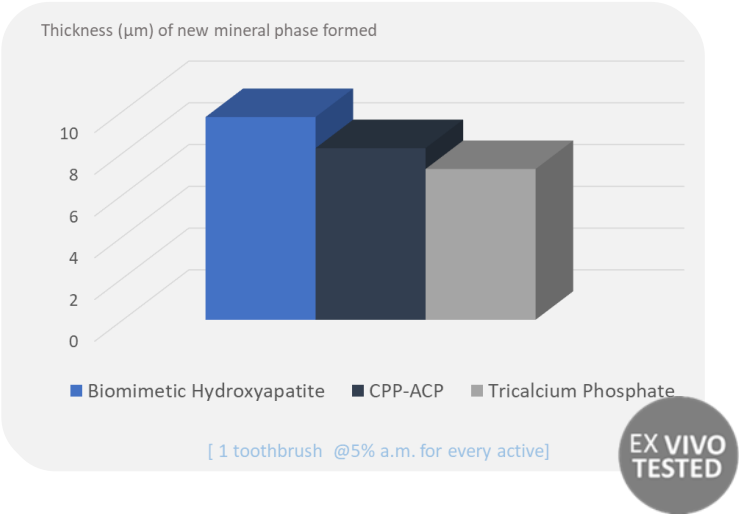
K. release Calcium "on demand" whenever the tooth is under acidic attack, providing it with a pH dependent remineralization activation.

\ANTI-HYPERSENSITIVITY



K. treatment was reported to promote high reduction of hypersensitivity according to 80% of the panelists (test carried out on 50 subjects).

REMINERALIZING ACTION



K. promotes the deposition of a thicker mineral phase on the enamel in comparison to other actives, after single application.

>> TECHNICAL OVERVIEW

pH OF USE	% OF USE	APPLICATIONS	SOURCING	FORMULATION TIPS
6.5 ÷ 8.0	3.0 ÷ 10.0 a.m.	Toothpaste, gels, mouthwash, medical device	Mineral	Add to the end product and suspend thoroughly

[INCI NAME : hydroxyapatite]

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