

Product Information

On

Cavex Bite&White In-Office HPS 25%

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1. Introduction

Hydrogen peroxide is the bleaching agent in Cavex Bite&White In-Office. It is added as Hydrogen Peroxide Superior in order to obtain a sufficiently stable product. The hydrogen peroxide breaks down rapidly into oxygen radicals and water. During the whitening process the free radicals attack the double carbon bonds that are the source of most colour (stains) in the tooth. Cavex Bite&White In-Office is a tooth whitening gel for use in lightening the colour of natural teeth.

Cavex Bite&White In-Office should only be dispensed by or on the order of a dental professional. Before any whitening procedure, a consultation with a qualified dentist is recommended to ensure no underlying oral or health issues.

Due to the high peroxide concentration, the dentist shall apply a cheek retractor and a whitening barrier in order to protect the gingival tissue. A layer of Cavex Bite&White In-Office 25% HPS gel shall be applied to the teeth for 10-15 minutes which can be repeated for 2 – 3 times. After removal the teeth needs thorough rinse with water and suction. It is advised to use an desensitizer i.e. Cavex Bite&White ExSense for at least one week after treatment. Directly after the treatment the result will become visible. The treatment can be repeated when required.

Cavex Bite&White In-Office is developed and manufactured by Cavex Holland BV in The Netherlands, a Company that is certified according to the provisions of the Regulation (EC) 1223/2009, ISO 9001 and ISO13485.

2. Composition

The basic ingredients of Cavex Bite&White In-Office are:

Function	Raw Material	%
Active Peroxide	Hydrogen peroxide 49,5%	25,0
Solvent	PEG	34,8
Solvent	Demiwater (conductivity <10 μ S)	26,0
Gel former	t-butylalcohol	3,1
Gel stabilizer	Poloxamer	10,5
Peroxide stabilizer	EDTA III	0,10
Peroxide stabilizer	Etidronic acid	0,30
Peroxide stabilizer	Sodium Stannate Trihydrate	0,10
Fragrance	Peppermint oil	0,10
Total		100,00

3. Manufacturing

Basically, the ingredients are carefully weighed, blended in a high-performance mixing device and automatically packed in syringes.

4. Laboratory control

Every batch Cavex Bite&White In-Office is in compliance with ISO28399 Dentistry – Products for external tooth bleaching:

	Cavex Bite&White In-Office
Appearance	Clear, transparent gel
Hydrogen Peroxide Concentration	25 % (range +10 % and -30% of the original concentration)
Surface Microhardness	< 0,7 % reduction (max 10 %)
Surface Erosion:	
- Dentin	< 0,1 µm reduction (max 5 µm)
- Enamel	< 0,1 µm reduction (max 4 µm)
Tooth Bleaching Efficacy:	
- 3 – 4 appl. 15-20 min	Delta E > 2
Viscosity	25 – 75 mPas
pH	5 – 6

5. Shelf-life test

There is no official shelf-life test described for dental whitening products. Based on the results of internal tests, we can guarantee the good qualities of Cavex Bite&White In-Office for a period of 3 years, provided the product is stored in at room temperature (25 °C) when not in use.

6. Quality Control

A batch of Cavex Bite&White In-Office, that has passed all the tests, is released for sales. In case of one or more requirements being not in specification, that batch is withdrawn and not sold.

7. Statement of non-toxicity

Adverse effects that may be associated with the use of Cavex Bite&White In-Office include, but are not limited to:

Sensitivity

Some patients may experience increased tooth sensitivity to cold during the treatment, while others may have non-specific sensitivity in their teeth, gums, tongue, lips or throat. In general symptoms should disappear within several days after the treatment is stopped. The treatment can be proceeded with shorter, less frequent applications until the desired whitening effect has been achieved. If the discomfort remains, discontinue the treatment.

Gingival Irritation

Mild to severe soft tissue irritation can occur during the treatment.