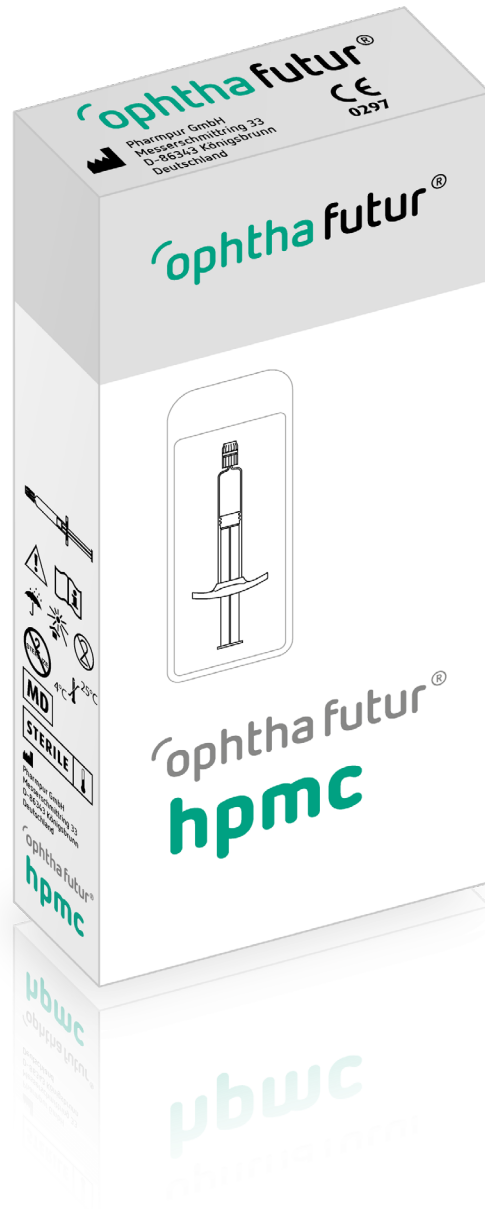


ophtha futur® hpmc



Crystal clear view

Endotoxin free

Preloaded syringe

36 months shelf life

ophthafutur[®] hpmc

technical data-sheet

Product Name

Active compound

ophthafutur[®] hpmc

hydroxypropylmethylcellulose

Physical and Chemical Parameters

Molar Mass

80 kDa

Refractive Index n_D^{35}

1.336

Chemical Control

HPMC Content

2 % (m/m)

Viscosity (20 °C)

3,500 – 6,000 mPas

pH

7.0

Osmolality

285 mOsm/kg

Microbial control

Product Sterility ensured by

Steam Sterilization

Outer Surface Sterility ensured by

Steam Sterilization

Bacterial Endotoxins¹

≤ 0.2 EU/ml

¹ LAL test acc. to EP 2.6.14/USP <85>

Biocompatibility acc. to DIN EN ISO 10993

Cytotoxicity²

Non cytotoxic

Sensitization^{3,4}

Non sensitizing

Irritation^{3,4}

Non irritating

² Growth inhibition test of serum extract acc. to DIN EN ISO 10993-5:2009

³ (a) Fleming et al., *JAMA Arch Ophthalmol.* 1959, 61(4):565-7.

(b) CIR, *J Am Coll Toxicol* 1986, 5:1-59.

(c) Amouriq et al., *J Mater Sci Mater Med.* 2002, 13(2):149-54.

⁴ EFSA ANS Panel, *EFSA Journal* 2018, 16(1):5047, 104.

Presentation

Filling Volume

≥ 2.0 ml; air bubble free

Container

Glass syringe

Sterile Barrier

Pouch

Shelf life

36 months

23 g cannula

Sterimedix M3909

23 G Cannulas – The Inner Diameter Makes the Difference

To ensure safe injections it is crucial to select the appropriate needle considering that 23 g needles from different manufacturers feature different inner diameters.

Type	Viscoflow	4001B	1274A	M3909	4001CTW
Inner Diameter (mm)	0.30	0.32	0.33	0.42	0.42
				recommended	recommended