

ophtha futur[®] sil products



High patient and product safety

Multi-step proven and tested ultra-purification process

Safe, biocompatible, sterile, endotoxin-free products

3 years shelf life

ophtha futur[®] sil facts

Parameters

Tamponade	Poly (Dimethylsiloxane)		
Viscosity (mPas, 25 °C)	5,000	2,000	1,000
Molar Mass (kDa)	54	41	34
Density (25 °C)	0.97 g/cm ³		
Interfacial Tension vs. Water (35 °C)	39 mN/m		
Silanol Content	< 100 ppm		
Content Volatile Oligosiloxanes (HS-GC/MS)			
DMCPS/D5	≤ 10 ppm		
DMTS/MD2M	≤ 10 ppm		
HMDS/MM	≤ 10 ppm		
HMCTS/D3	≤ 10 ppm		
OMCTS/D4	≤ 10 ppm		
OMTS/MDM	≤ 10 ppm		
Σ	≤ 25 ppm		
Acetone Content (HS-GC/MS)	< 10 ppm		
Mass Loss	≤ 0.1%		
Polydispersity	1.0 – 2.3		
Refractive Index n _D ²⁵	1.404		
Filling Volume	10 ml Syringe		
Sterilisation	Steam Sterilisation		
Bacterial Endotoxins	≤ 0.5 EU/ml		