



galenIQ™ – the sweet filler binder.

Isomalt (Ph. Eur., BP, USP-NF, JP).

beneo

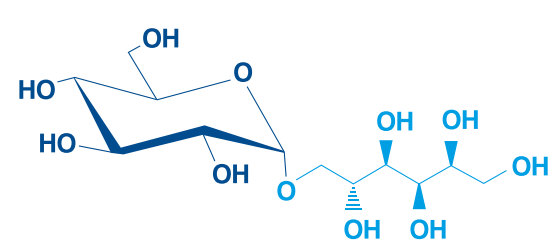
galenIQ™ makes medicine taste better.

Choosing the right filler-binder can enhance the overall taste and mouthfeel of pharmaceutical and nutraceutical products. Medicine that taste good can considerably increase the acceptance by certain patient groups like children, the elderly and people with chronic conditions. It is also of importance in the growing field of veterinary medicine. With its pleasant mouthfeel and sugar-like, sweet taste, galenIQ™ enhances the palatability of pharmaceutical and nutraceutical formulations.

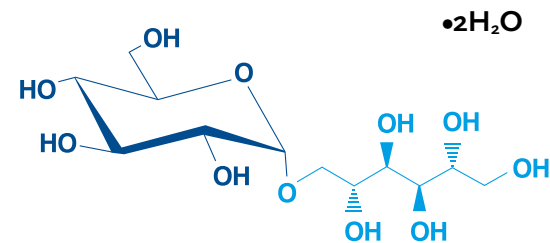
galenIQ™ is Isomalt, a polyalcohol, which BENEО manufactures from a plant-based raw material: sucrose extracted from the sugar beet.

BENEО closely monitors the global regulatory framework and actively invests in research and development to strengthen the scientific foundation of galenIQ™. Thanks to being produced in a fully owned, state-of-the-art facility, our excipient complies with the highest quality and safety standards. galenIQ™ is manufactured under cGMP conditions according to the IPEC-PQG requirements for pharmaceutical bulk excipients. galenIQ™ complies with the current Ph. Eur., BP, USP-NF and JP monographs for Isomalt and is approved for use in China.

Structural formula of Isomalt, composed of two disaccharide alcohols.



6-O- α -D-Glucopyranosyl-D-sorbitol (1,6-GPS)



1-O- α -D-Glucopyranosyl-D-mannitol dihydrate (1,1-GPM)

The excipient of choice for a broad spectrum of applications.



Chewable Tablet



Sachet / Stick Pack



Powder Blend



Lozenge Tablet



Probiotic Tablet



Mini Tablet



Effervescent Tablet



Wet Granulation



High Boiled Lozenge



Oil Carrier



Pan Coating



Syrup



Plant extract tablets



Nutraceutical formulations



DC Tablets



Sweet functionality.



Palatability enhancement



High flowability



Chemically and mechanically stable



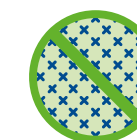
Water soluble



From plant-based raw material



Filler-binder



High content uniformity



Long shelf life



Easy to use



Non hygroscopic



High compressibility



LOW & HIGH DOSE



(O-O)²⁻ PEROXIDE FREE



SUGAR FREE

Physical properties* of galenIQ™.

	galenIQ™ 720			galenIQ™ 721			galenIQ™ 900			galenIQ™ 800			galenIQ™ 801			galenIQ™ 960			galenIQ™ 981		
Particle type	agglomerated			agglomerated			sieved			milled			milled			sieved			sieved		
Preferred application	direct compression, powder blend			direct compression, powder blend			high-boiled lozenge			wet granulation, agglomeration			High-shear granulation, Fluid bed agglomeration			capsule filling, dry blend, hot melt extrusion			pan coating, syrup		
Composition GPS/GPM	1:1			3:1			1:1			1:1			3:1			1:1			3:1		
Solubility in water at 20 °C (g/100 g)	25			42			25			25			42			25			42		
Particle size distribution (µm)	d ₁₀	d ₅₀	d ₉₀	d ₁₀	d ₅₀	d ₉₀	d ₁₀	d ₅₀	d ₉₀	d ₁₀	d ₅₀	d ₉₀	d ₁₀	d ₅₀	d ₉₀	d ₁₀	d ₅₀	d ₉₀	d ₁₀	d ₅₀	d ₉₀
	95	220	360	90	210	360	660	1510	2560	5	15	45	5	15	45	270	400	530	260	520	800
Method	mechanical sieve shaker			mechanical sieve shaker			mechanical sieve shaker			laser diffraction			laser diffraction			mechanical sieve shaker			mechanical sieve shaker		
Bulk density (g/l)	410			400			850			500			500			820			780		
Total water K. F. (%)	5,0			2,9						2,7			2,6			2,3			2,8		
Loss on drying (%) (10 ⁵ pa, 7 h at 25 °C)	0,21			0,12						0,26			0,21			0,12			0,02		

* This information on average values is presented in good faith, but warranty to accuracy of results is not given. It is offered solely for your consideration, investigation and verification. Typical analysis data fall within the range of specification of galenIQ™.

BENEQ offices and production sites.



Contact us at a BENEQ location.

www.beneq.com/locations

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www.galenIQ.com