



AI

SACHET FORMULATION GUIDE

How to build patient-friendly
single-dose formats with
the right excipient

beneo



Why sachets, why now?

Sachets and stick packs are becoming increasingly relevant across pharmaceutical and nutraceutical markets. As convenient, single-dose formats, they respond to a clear shift in expectations: products need to be easy to carry, simple to use, accurate to dose, and pleasant to take.

For product developers, sachets offer more than packaging convenience. They create opportunities to rethink how powdered formulations are delivered, positioned, and experienced by patients and consumers.

Patients' benefits



Sweet taste enhances palatability

Increases patients' acceptance of the medication



Easy to swallow

Ideal for pediatric and sensitive patient groups



Convenient on-the-go format

Flexible intake with or without water



Pre-measured dosage

Ensures accurate use



"Single-dose formats are changing how patients and consumers experience powdered products."

Dr Maj-Britt Cepok
Head of Pharma at BENEIO

What makes a sachet formulation work?

A successful sachet is more than a convenient pack size. Behind every single-dose format is a formulation that needs to perform reliably during production, filling, storage, and use.

For formulators and R&D teams, the excipient choice plays a central role. It can influence how the powder flows, how accurately it can be packaged, how easily it dissolves, and how pleasant the final product is to take.

The manufacturers' checklist



Outstanding flowability

Enables precise dosing



Agglomerated particles with low fines content

Clean processing with low dust and reliable sealing



Flexible formulation design

From pain relief to vitamins and probiotics



Efficient production and packaging

Reduces processing time and costs

The Sachet Performance Checklist

When evaluating an excipient for sachet applications, ask:

- ☒ Does it support excellent powder flow?
- ☒ Can it help achieve reliable dosing accuracy?
- ☒ Does it generate low dust during handling?
- ☒ Does it mix well with other ingredients?
- ☒ Does it dissolve quickly in use?
- ☒ Does it contribute to a pleasant taste profile?
- ☒ Is it stable and compatible with the active ingredients?

One excipient. Multiple sachet advantages.

In sachet and stick pack development, the excipient is more than a supporting ingredient. It can be a key formulation factor that influences processability, dose consistency, dissolution behavior, taste, and user experience. This is especially important in powdered single-dose formats, where the formulation needs to perform across several stages: blending, filling, sealing, storage, and intake.

galenIQ™ 721 is an ideal filler for sachets. With its strong technical and sensory profile, it helps formulators address key requirements for accurate, convenient, and patient-friendly powdered products.

Benefit matrix

galenIQ™ 721 benefit	What It supports in sachet applications
Excellent flowability	Efficient filling and processing
Narrow particle size distribution	Consistency across the formulation
Pleasant taste	Patient and consumer acceptance
Fast dissolution	Convenient intake and use
Low dust generation	Cleaner handling and processing
Strong mixability	Formulation uniformity

From process to patient

A well-selected excipient can help bridge manufacturing requirements and end-user expectations. galenIQ™ 721 supports the technical performance needed during production while contributing to the taste, dissolution, and convenience expected from modern single-dose formats.



Convenient relief for life in motion

Pain can show up at the most inconvenient moments, and a busy day doesn't always leave time to stop.

What you need is **pain relief in convenient single-dose sachets** that are easy to carry and simple to take wherever the day leads, whether you're at work, travelling or on the go. **No water needed.**

At the heart of the formulation is **galenIQ™**, a **plant-based excipient** that helps create a **pleasantly sweet, easy-to-take experience** while supporting a formulation designed to perform reliably.





From opportunity to formulation

Sachets and stick packs offer strong potential for pharmaceutical and nutraceutical products, but successful development starts with the right formulation choices.

Before moving from concept to production, it is worth looking closely at how the powder behaves, how the dose is delivered, and how the final product will be experienced by the intended user group. The right excipient can help turn a promising sachet concept into a practical, scalable, and patient-friendly formulation.

Ready to explore sachet applications with galenIQ™ 721?

galenIQ™ 721 combines excellent flowability, reliable dosing support, fast dissolution, pleasant taste, low dust generation, and strong mixability, making it well suited for modern sachet and stick pack applications.

Contact our team, request technical documentation, or discuss your next formulation project.

Discover galenIQ™ 721 for sachets:
[Emerges As A Versatile And Reliable Ingredient | galenIQ™](#)

Request technical documentation or talk to our formulation experts: galenIQ@beneo.com

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