

## PharSQ® Spheres CM

Unique starter spheres for controlled drug release



### Technical information:

- PharSQ® Spheres CM is a unique co-processed material made of substances fully compliant with pharmacopoeial requirements
  - 80% w/w Anhydrous dibasic calcium phosphate (Ph.Eur., USP/NF, JP)
  - 20% w/w Microcrystalline cellulose (Ph.Eur., USP/NF, JP)
- Available in 5 different particle sizes to perfectly suit your formulation

# PharSQ® Spheres CM

## Unique starter spheres for controlled drug release

### Innovative product features

- + **PharSQ® Spheres CM** do not interact with active pharmaceutical ingredients, which increases the stability of medicinal products.
- + **PharSQ® Spheres CM** enhance the stability of moisture sensitive drugs and prevent microbial contamination due to very low moisture content and limited water uptake.
- + **PharSQ® Spheres CM** increased density, low specific surface area and uniform size enable the development of medicinal products with consistent drug release properties and a smooth passage through the gastrointestinal tract.
- + **PharSQ® Spheres CM** neither are soluble in water nor in organic solvents which enables their versatile use in both in aqueous and organic coating techniques.
- + **PharSQ® Spheres CM** facilitate the coating process and reduce particle agglomeration because of minimized accumulation of electrostatic charges.

Product grades		XS	S	M	L	XL
Product features PharSQ® Spheres CM	Composition	<b>80% anhydrous dibasic calcium phosphate</b> (NF/USP, Ph.Eur., JP) <b>20% microcrystalline cellulose</b> (NF/USP, Ph.Eur., JP)				
	Assay of dibasic calcium phosphate (%)	75.0 – 85.0				
	pH	neutral				
	Loss on Drying (105°C / 4 h)	< 3 %				
	Bulk density (g/L)	~1,000				
	Particle size (µm)	150–300	300–500	500–710	710–850	850–1000
	Equivalent to U.S. Mesh	100–50	50–35	35–25	25–20	20–18
Common application		Tablet			Capsule, Sachet	

If this sparks your curiosity,  
please contact:  
[pharma@budenheim.com](mailto:pharma@budenheim.com)

#### Chemische Fabrik Budenheim KG

Pharmaceutical & Medical Products | Rheinstraße 27 | 55257 Budenheim | Germany | Phone +49 6139 89 0 | [pharma@budenheim.com](mailto:pharma@budenheim.com)

Any information contained herein and any advice given by Budenheim is made to the best of our ability on the basis of current industrial practice and our own knowledge and experience. Any responsibility for damages resulting from the use of or reliance upon such information or products such information refers to is limited pursuant to our Conditions of Sale and Supply. Neither our advice nor any information contained herein shall cause the purchaser or any other person or entity using or intending to use our products to refrain from testing our products, verifying any suggestions contained in our information and/or reviewing (and, if relevant, respecting) any conflicting patent and other proprietary rights; and we expressly request and invite the customer or such other user of our products to perform such tests, have such tests performed prior to any commercial use or other application of our products for the specific use and application intended and to review (and, if relevant, to respect) any conflicting patent and other proprietary rights relevant for the specific product and/or use.