



# CUSTOMIZING APPEALING DOSAGE FORMS WITH THE RIGHT PARTNER

**PEARLITOL® SW-F**  
(wheat-free) mannitol for  
gluten-free nutraceutical  
dosage forms



# PEARLITOL® SW-F

Roquette's spray-dried PEARLITOL® SD mannitol grades, particularly 200 SD, are trusted, multifunctional filler/binder/diluent excipients, providing nutraceutical supplement companies with an efficient direct compression tableting process. In addition to excellent flow and compressibility, key reasons many companies choose PEARLITOL® SD grades, particularly for chewable and oral disintegrating tablets (ODT), are the following:

- **Non-hygroscopic excipient promoting active stability**
- **Pleasing cool taste**
- **Sugar-free**
- **Non-GMO**

Roquette is now offering more choices in its range of PEARLITOL® SD grades by introducing wheat-free grades having comparable direct compression performance. New benefits are the result:

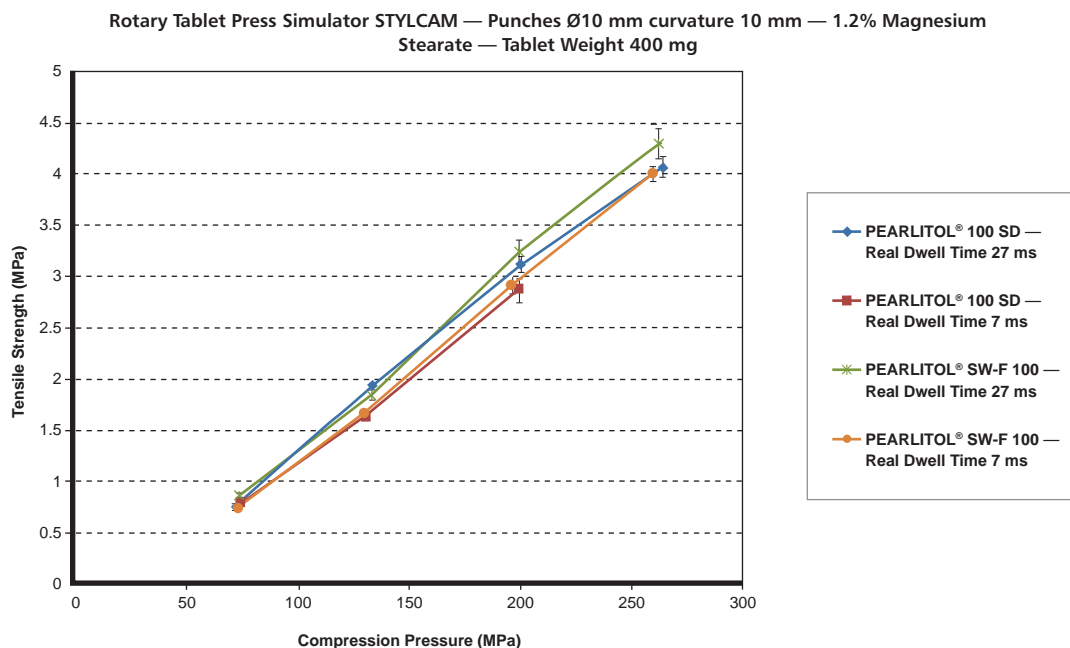
- **Wheat-free composition through a secure supply chain and manufacturing process controls**
- **Gluten-free supplement label claim supportive**



Compression speed vs. varying compression force experiments on a rotary tablet press simulator (STYLCAM 200R) demonstrate that PEARLITOL® SW-F 100 and 200 produce comparable tableting performance to PEARLITOL® 100 and 200 SD grades.

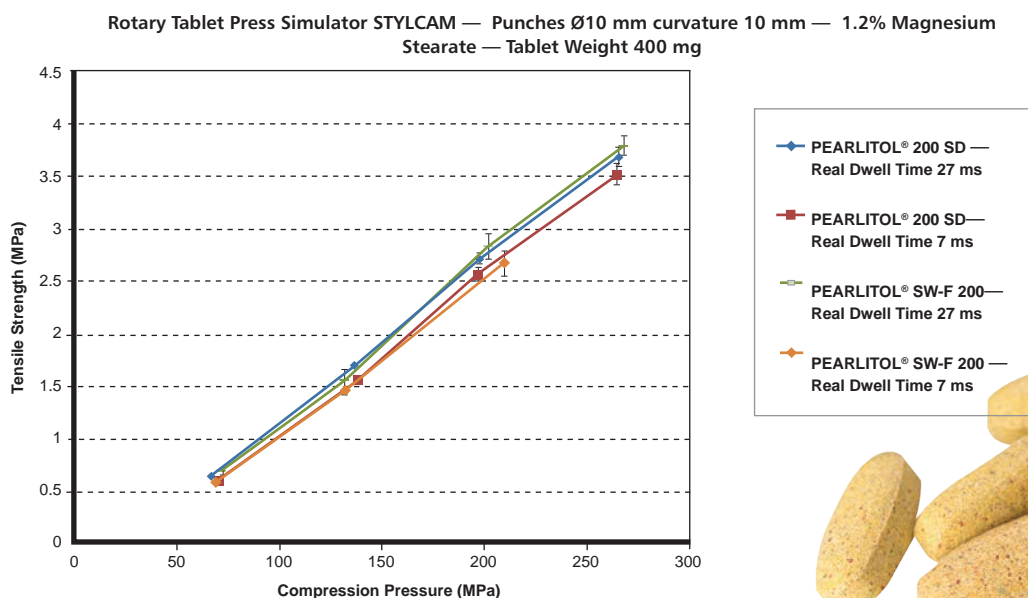
Roquette's Customer Technical Services (CTS) team can provide formulation assistance to customers.

Figure 1: Tablet Simulator Results for PEARLITOL® SW-F 100 and PEARLITOL® 100 SD



# WHEAT-FREE MANNITOL

Figure 2: Tablet Simulator Results for PEARLITOL® SW-F 200 and PEARLITOL® 200 SD



## Physical properties

Powder property*	PEARLITOL® SW-F 100	PEARLITOL® SW-F 200
Particle size (laser) (µm):		
D50	115	170
D10	65	100
D90	175	250
Bulk density (g/mL)	0.45-0.50	0.45-0.55
Flowability (funnel, s) (+/- standard dev.)	8.6 (+/- 0.6)	8.0 (+/- 0.5)

\*Typical of product manufactured to date, not to be construed as sales specifications

## Potential Product Claims

- **Gluten-free**
- **Tooth-friendly, sugar-free**
- **Non-GMO**

Samples are now available for laboratory evaluations in 1-2 kg quantities. Larger quantities are available upon request for scale-up evaluations.



**LEARN MORE ABOUT ROQUETTE NUTRACEUTICAL PRODUCTS AT**  
[www.roquette.com](http://www.roquette.com) | [pharma@roquette.com](mailto:pharma@roquette.com)

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*Offering the best of nature™*