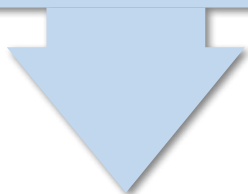


Pharmaceutical excipients.

Product overview.

DMV-Fonterra Excipients
The ingredients of success



Adding expertise to excipients.

DMV-Fonterra Excipients is a leading supplier of excipients for oral solid dose and dry powder inhalation formulations. Continuous investment in leading cGMP standards, excipient technologies and committed personnel, allow us to consistently supply high quality products from our sites around the globe. With more than 100 years of experience in excipient manufacturing and with a broad portfolio of products, we are committed to building trust with our customers through Quality, Reliability and Expertise.

Quality

We implemented a quality system based on ISO 9001:2000 as well as IPEC and ICH Q7A cGMP guidelines in all our production facilities. Through solid cGMP know-how, validated manufacturing processes and full management commitment, we provide consistently high quality products.

Reliability

Our production sites in Europe and New Zealand allow our customers to receive products with increased security of supply. Additionally our customers can rely on the extensive global sales network of sales offices and over 120 well-trained agents and distributors.

The ingredients of success.

Expertise

We share our excipient expertise through web-seminars on technical subjects and through customer seminars held locally in your region. We can also help with specific technical and regulatory questions you may have regarding your own particular application.

Product overview

	Description	Main benefits
Superdisintegrant		
Primojel	Sodium starch glycolate USP-NF/Ph.Eur./JP Type A, Botanical source: Potato	High swelling for fast disintegration. Potato starch base gives maximum effectiveness. Highly effective with insoluble and slowly soluble filler-binders.
Primellose	Croscarmellose sodium, USP-NF, Ph.Eur., JP	Fast water uptake for fast disintegration. Strong disintegration force. Highly effective with soluble and slowly soluble filler-binders.
Directly compressible lactose		
SuperTab 11SD 14SD	Lactose monohydrate, USP-NF, Ph.Eur., JP, Spray dried	Excellent flow properties. Good blend and tablet content uniformity. Excellent compactibility and low lubricant sensitivity.
21AN 22AN	Lactose anhydrous USP-NF, Ph.Eur., JP, Roller dried	Brittle agglomerates of β -lactose. Low moisture content. Excellent compactibility and low lubricant sensitivity.
30GR	Lactose monohydrate, USP-NF, Ph.Eur., JP, Granulated	Consistent compaction over a wide range of humidities. Tablets disintegrate relatively quickly.
Sieved & milled lactose		
Pharmatose 50M 60M 70M 80M 90M 100M 110M 125M	Lactose monohydrate, USP-NF, Ph.Eur., JP, Sieved	Size distribution, particle shape and morphology provide good flowability and mixing characteristics. Wide selection of particle size distribution available for all applications. Customised particle size distributions possible.
Pharmatose 130M 150M 200M 350M 450M	Lactose monohydrate, USP-NF, Ph.Eur., JP, Milled	Most popularly used filler in tablet production. Wide range of particle size for all applications. Small particles and high surface area for good wettability and compactibility.

Product overview

		Description	Main benefits
Lactose for inhalation			
Respitose	ML001 ML006 SV003 SV010 MC001	Lactose monohydrate, USP-NF, Ph.Eur., JP, Various grades	Standard grades available off the shelf.
	Customised products		Tailored to your individual requirements.
Other fillers & binders			
	Prejel PA5 PH*	Pregelatinised starch, USP-NF, Ph.Eur.	Good flowability. Suitable for dry mixing.
	Solani Amylum*	Potato starch, Ph.Eur.	Non GMO. No gluten, low fat and proteins. High quality North European native potato starch.
Pharmacel	101 102	Microcrystalline cellulose USP-NF, Ph.Eur., JP	Gives hard tablets. Good binding property.

* produced by Avebe, distributed by DMV-Fonterra Excipients

Applications and functions

		application			function		
		Wet granulation	Direct compression	Dry powder inhalation	Disintegration	Filling	Binding
Primojel		•	•		•		
Primellose		•	•		•		
SuperTab	11SD		•			•	•
	14SD		•			•	•
	21AN		•			•	•
	22AN		•			•	•
	30GR		•			•	•
Pharmatose	50M		•			•	
	60M		•			•	
	70M		•			•	
	80M		•			•	
	90M		•			•	
	100M		•			•	
	110M		•			•	
	125M	•	•			•	
Pharmatose	130M	•				•	
	150M	•				•	
	200M	•				•	
	350M	•				•	
	450M	•				•	
Respitose	Various			•			
Prejel PA5 PH		•					•
Solani Amylum		•	•		•	•	•
Pharmacel	101	•	•		•	•	•
	102	•	•		•	•	•

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