

Vitasmooth®

For Calcium Carbonate Meltaway Tablets



Vitasmooth is the perfect match for companies to extend their portfolio with a value added offering that delivers enhanced appeal to consumers. It's possible to create new formulations that enhance mouthfeel and retain fast acting relief.

Vitasmooth is a key component to create a smooth, creamy, fast dissolving chewable antacid tablet. It is a highly compactable formulation of calcium carbonate specifically designed for direct compression. Preformulated with excipients to facilitate the manufacture of antacid tablets, Vitasmooth is readily compactable and eliminates the need for additional binders.

- Excellent organoleptics
- Ideal for chewable formulations
- Easy to use- ready for direct compression

Excellent Organoleptics



Smooth, Pleasant Mouthfeel!



Perfect for Antacid Tablets!

SPI Pharma's expertise can speed the development of new fast melt tablets. Use the formulation below to make a 750mg extra strength meltaway tablet.

Composition	% By Weight	mg/ Tablet
Vitasmooth®	82.70%	1323.25
Mannogem® XL	14.90%	238.35
Sucralose	0.10%	1.60
Citric Acid Anhydrous	0.20%	3.20
Guar Gum	0.30%	4.80
Colloidal Silicon Dioxide	0.30%	4.80
Orange Flavor	0.25%	4.00
Lake Blend Orange	0.50%	8.00
Magnesium Stearate	0.75%	12.00
	Total Tablet Weight	1600.00

Method

1. Vitasmooth and Mannogem XL are passed through Mesh No. 30 ASTM
2. Sucralose, Citric acid anhydrous, Orange flavor and Guar gum are passed through Mesh No. 40 ASTM
3. Colloidal silicon dioxide and Lake blend Orange are passed through Mesh No. 80 ASTM
4. Materials of Step 1,2 and 3 were co-sifted through #30 mesh ASTM and blended for 10 minutes in a V – blender
5. Magnesium stearate is passed through Mesh No. 60 ASTM
6. Add step 5 to step 4 and blend for 5 minutes
7. Compress the formulation to 1.6g tablets on a rotary tablet press to 8kP

Americas
SPI Pharma, Inc.
Rockwood Office Park
503 Carr Rd., Suite 210
Wilmington, DE 19809

Contact Us:
salesinfo@spipharma.com

Europe/Middle East/ Africa
SPI Pharma SAS
Chemin du Vallon du Maire
13240 Septemes-Les Vallons
France

Asia/Pacific
SPI Pharma, Inc – India Branch
21 B, Veerasandra Industrial Area
Hosur Road, Bangalore – 560100
Karnataka, India

Australia Distribution Company
Anzchem
1 Braidwood Street
Enfield NSW 2136
Australia

www.spipharma.com



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