

Directly Compressible Sugars

Maltose and Fructose for Pharmaceuticals & Nutraceuticals

www.spipharma.com



Improved Tableting and Processing

Versatile & Easy to formulate

Maltose and **Fructose** have been used successfully in a variety of Food, Pharma, and Nutraceutical products. SPI Pharma has created a

unique form of these sugars. Advantose® 100 Maltose and Advantose FS95 Fructose improve flow for these materials. As a result, these

useful ingredients gain versatility and are easily incorporated into formulations for pharmaceutical and nutraceutical tablet products.

Directly Compressible Sugars

The safety, mouthfeel and pleasant sweetness of maltose and fructose are well known. The handling and flow characteristics of these materials limited their use as excipients in pharmaceutical and nutraceutical tablet formulations. By utilizing advanced spray-dry and co-processing technologies, SPI has created free flowing and directly compressible options. Advantose 100 Maltose and Advantose FS95 Fructose have been specifically designed for use in direct compression oral dosage forms.

Advantose 100 is a spray dried maltose and **Advantose FS95** is co-processed fructose with a small amount of starch. This processing results in enhanced flow properties. Both products exhibit flow and compressibility, which eliminates the need to sacrifice handling for compressibility that exists in alternate technologies. Advantose sugars improve can improve the disintegration of the final dosage form.

Advantose 100 Maltose maintains its binding characteristics and is stable even after extended mixing times. Additionally, it does not exhibit capping even at high compression force. Advantose FS95 Fructose is particularly suited for chewable dosage forms. Because of its low friability, it works well for tablets with complex designs such as children's vitamins. The sweetness of Advantose FS95 Fructose can also help to mask undesirable flavors. Advantose brings multiple benefits to direct compression processes, **making a difference** in better tablets and higher throughputs.

Advantose 100 Maltose

Advantose FS95 Fructose

- ✓ ✓ Designed for flow
- ✓ ✓ Improves flow for low density ingredients
- ✓ ✓ Improved friability
- ✓ ✓ Low hygroscopicity
- ✓ ✓ Stable during process
- ✓ Improved disintegration
- ✓ ✓ Pleasant sweetness
- ✓ Masking undesirable tastes
- ✓ Good for complex tablet designs
- ✓ ✓ Suitable for Pharma, Nutra, and Food formulations
- ✓ Clean label





Excipients for Swallow Tablets



Taste Masked Actives



ODTs/ODPs



Effervescent Tablets



Vaccine Adjuvants



Soft Gel Capsules



Antacid & Laxative Ingredients



Chewable Tablets & Lozenges



Nutraceutical Applications

Advantose 100 Maltose and Advantose FS95 Fructose have been specifically designed for DC oral dosage forms

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