

# Lactose Powder



Lactose Powder has a wide variety of uses, including acting as a bulking agent and enhancing the flavor, texture, and color of tablets. Pharmaceutical grade lactose is often used in tableting, and has low levels of impurity, can improve the safety elements of a drug, and makes the manufacturing process smoother.

Spray-dried/anhydrous lactose is able to form a solid tablet under direct compression. Pharmaceutical grade lactose is a fine powder, but can work in conjunction with other lactose powders. Its smaller mesh size makes mixing easier and more efficient, and coarser grades of the powder improve flow. Lactose Powder can also be mixed with sucrose to create sugar coating mixtures.

Lactose Powder is a widely accepted ingredient that is considered safe across the world. It will improve the quality and taste of your product and fits perfectly into a variety of applications.

## Main Benefits of Lactose Powder

- **Excellent Binder** - Due to its granule size and flow, Lactose Powder binds well.
- **Compatible with Many Ingredients** - Lactose Powder is chemically and physically inert to other excipients and active ingredients.
- **GRAS** - The FDA lists Lactose Powder as Generally Recognized As Safe (GRAS).
- **Well-Established Excipient** - Lactose Powder is included in the FDA Inactive Ingredient Database, the Canadian List of Acceptable Non-Medicinal Ingredients, and in nonparenteral and parenteral medicines in the UK.

## Specifications

CAS number	63-42-3
Molecular formula	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>
Appearance	White powder
Physical state	Solid
Storage	Store at room temperature
Boiling point	668.9 °C
Density	1.525 g/cm <sup>3</sup>
Bulk density	0.51 g/cm <sup>3</sup>
Molecular weight	342.30 g/mol