

Application Note: Lactose

Lactose, a carbohydrate endemic to human and other mammalian milk, is a disaccharide composed of glucose and galactose. In the growth and development of infants and young children, lactose can not only provide energy, but also participate in the development process of the brain.

Lactose is commonly used in the food industry to make baby food, candy, margarine and so on. It is used medicinally as a flavouring agent and can be obtained from whey extraction. Lactose hydrates are widely used in pharmaceutical production, as fillers, flow aids, disintegrants, lubricants and binders in solid formulations, as excipients in lyophilized formulations, and lactose is included in multinational pharmacopoeias. Lactose is very hydrophilic and is generally analysed in HILIC mode HPLC using an amino column.

