



Specialized in chemicals

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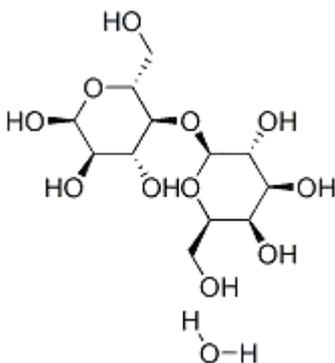
Technical Data Sheet

Lactose monohydrate

Product Information

Chemical Name	Lactose monohydrate
CAS #	64044-51-5
Formula	C ₁₂ H ₂₄ O ₁₂
Synonyms	D-Lactose monohydrate

Chemical Structure



Description

Lactose as a white crystalline particle or powder; no odor, slightly sweet taste. Sugar sweetness is 15%, and the ratio of alpha beta lactose lactose high sweetness. There are a variety of lactose supply in the market: anhydrous alpha lactose, alpha lactose, and a small amount of anhydrous beta lactose.

Specifacaton

Appearance	White crystalline powder	Conforms
Lactose content	99.70% Min.	99.82%
Particle size	100.00mesh-200.00mesh	200.00mesh
Poured density	0.50-0.70g/ml	0.60g/ml
Water	1.00% Max.	0.45%
Protelns and light	(A)1%,1cm at 270-300nm:≤0.07	0.01

Absorbing impurities	(A)1%, 1cm at 210-220nm: ≤0.25	0.10
	(A)10%, 1cm at 400nm: ≤0.04	0.01
Loss on drying	0.50% Max.	0.25%
Specific rotation	+54.40° ~ +55.90°	54.50°
Residue on ignition	0.10% Max.	0.05%
Apperance of solution	Clear and not more coloured than ret.BY	Conforms
Acidity or Alkalinity	Clear and colourless	Conforms

Applications

Medicinal lactose is a from bovine milk separation and extraction of out products, is essential in the production of pharmaceutical, food, health products and other accessories,as the carrier of drug and excipients

Packaging

25kgs/kraft bag
20tons(800bags)/1*20" FCL

Storage & Handling

Keep container tightly closed. Keep container in a cool, well-ventilated area.

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