Creative Enzymes®

Lactose Monohydrate for Solid Formulations

Cat. No. CEGZ-6224

Lot. No. (See product label)

Introduction

Description	Lactose monohydrate is a crystalline disaccharide excipient containing one molecule of water of crystallization.
Applications	Used as a diluent or filler in tablets, capsules, granules, and other solid formulation systems.
Synonyms	Lactose monohydrate; Milk sugar monohydrate

Product Information

Appearance	White crystalline powder
Form	Crystalline powder
CAS No.	64044-51-5
Molecular Formula	$C_{12}H_{22}O_{11}·H_2O$
Molecular Weight	360.31 g/mol
Purity	High purity excipient grade (confirm with batch COA)
Function	Diluent and filler for solid formulations.
Solubility	Freely soluble in water; practically insoluble in ethanol.
Grade	Pharmaceutical excipient grade
Usage	For solid formulation use at levels established by formulation development and applicable pharmacopoeial requirements.

Usage and Packaging

Package	Customizable (typical 20-25 kg)

Storage and Shipping Information

Storage	Store in a cool, dry place in a tightly sealed container, protected from moisture.