

Lactoferrin

Product Information

Product Name: Food Grade Lactoferrin Powder (LF)

CAS NO.: 146897-68-9

Product Name: lactoferrin

Product Grade: Food grade

Product content: 98%

Product Packaging: 1Kg, 25Kg

Appearance: Light pink powder

Process flow: Extracted from fresh milk, purified, ultrafiltered, dried, and packaged.

Storage: Keep in a cool, dry, clean, and well-shaded environment, away from direct sunlight and heat.

Product Introduction

Lactoferrin (LF), a significant non-heme iron-binding glycoprotein, is abundantly present in milk and also found as a monomeric glycoprotein exhibiting bactericidal activity within neutrophil granules. This macromolecular protein, naturally occurring in milk (specifically, in the whey fraction), has the unique ability to bind iron ions. Lactoferrin is primarily derived from dairy products, particularly milk, and its extraction typically involves handling and processing these dairy sources. The extraction process begins with the isolation of whey from milk. Subsequently, the lactoferrin within the whey is separated using techniques such as centrifugation or ultrafiltration. The resulting lactoferrin is then converted into a powder through various process steps, including concentration and drying. The entire extraction workflow encompasses dairy pretreatment, whey separation, lactoferrin concentration, drying, and other associated procedures.

Lactoferrin is a special protein product that is directly extracted from high-grade, fresh milk, undergoes purification, and is then dried to produce a powder. This powder exhibits excellent fluidity, high iron-binding capabilities, and a vibrant pink hue. It possesses a rich, milky aroma, free from any unpleasant odors like mold, and is completely impurity-free.

Applications

1. Applied in the food field;
2. Applied in the supplements, nutritional field.
3. Infant formula milk powder, nutritional formula food, sports food, antioxidant supplements, animal feed and pet food.



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