



# Micellar Casein Concentrate

High-protein, pure micellar casein with exceptional heat stability and clean taste



Leprino Nutrition

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[LeprinoFoods.com](http://LeprinoFoods.com)

# Micellar Casein Concentrate

Leprino Micellar Casein Concentrate (MCC) is made directly from fresh skim milk by using a microfiltration process

- ✔ No less than 86% protein dry basis
- ✔ 95:5 casein-to-whey ratio
- ✔ Ideal for high-protein/high-heat applications

## APPLICATIONS

Nutritional beverages, powdered beverages, nutrition bars, yogurt, supplements, creamers, high-temperature retort, UHT and aseptic applications

## PHYSICAL CHARACTERISTICS

Due to the fresh skim milk source, Leprino MCC demonstrates

- Exceptionally clean flavor
- Light cream color
- Neutral aroma

## FEATURES/BENEFITS

All Leprino MCC comes from cold-filtered skim milk

- Slow-digesting protein with satiety benefits
- Superior emulsion activity and stability to milk protein concentrates and caseinates
- Low foaming activity
- Flexible and compatible for most neutral pH food processing



## PRODUCT INFORMATION

- Packaging: 44 lb (20 kg) paper bag or bulk tote
- Storage: Product should be stored in a cool, dry warehouse. Ideal storage conditions are temperatures below 75°F (27°C), relative humidity below 65% away from strong odors
- Shelf Life: 2 years

## LABEL NAME

Micellar Casein (A Microfiltered Milk Protein)

## CERTIFICATIONS

Kosher, Halal, SQF Level III, U.S. GRAS Status



## COMPOSITION

ITEMS	SPECIFICATION
Protein Dry Basis	86% Min
pH (10% Solution)	6.8 – 7.5
Moisture	7.0% Max
Fat	3.0% Max
Ash	7.5% Max
Casein-to-Whey Ratio	95:5 Min
Scorch Particles	Meets ADPI Standard

## MICROBIOLOGICAL

IDENTIFICATION	SPECIFICATION
Standard Plate Count	≤10,000 cfu/g
Coliforms	<10 cfu/g
Yeast & Mold	≤10 cfu/g
CP <i>Staphylococcus</i>	<10 cfu/g
<i>Salmonella</i>	Negative/375g



**Leprino Nutrition**

**CALL 1-800-LEPRINO**

to discuss how Leprino Nutrition products can meet your unique needs.

Leprino's global footprint delivers our high-quality Nutrition products to more than 25 countries around the world.

All Leprino Nutrition products are sourced from US Grade A milk and are manufactured in the USA.



## The Leprino Difference Makes Us More Than a Supplier™

### MILK SUPPLY

Unparalleled reliability and quality from Leprino's long term supply agreement with Dairy Farmers of America (DFA) for highest-quality, antibiotic-free Grade A milk.



### QUALITY ASSURANCE

Comprehensive food safety and animal welfare programs and extensive process and product testing support Leprino's Zero Tolerance for food safety risks.



### MANUFACTURING EXPERTISE

World-class facilities and processes allow for production to exacting specifications to provide innovative solutions for your specialized needs, including hydrolysates and protein fractionation.



### APPLICATION SCIENCE

Experts in partnering for end-product development in applications including powder blends, beverages, nutrition bars, infant formulas and foods.



### LFC INNOVATION STUDIO

An innovation agency developing big ideas for our customers. We turn insights into results – from initial concept creation to commercialization.



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